

I. INTRODUCTION

A. Background of the Study

During the past decade, the issue of post-operative pain management has come under increased scrutiny. A variety of factors have contributed to this situation, including increased patient awareness, advances in technology and increased clinical and regulatory initiatives. In spite of this progress, a significant proportion of patients still do not receive adequate relief of pain following surgery. The management of post-operative pain remains an issue of concern.[1]

In January 2004, it was agreed that pain scoring shall be included in the TPR (temperature/pulse/respiration) sheet of The Medical City (TMC). A series of lectures were conducted by the medical staff of the Pain Clinic. On October 12, 2006, a study was conducted to measure the quality of pain assessment and management of post-operative patients. The study resulted to incompleteness of pain scoring data.[2] Pain assessment and management still remains a problem in spite the efforts of the hospital administration.

In TMC, recording of operative patient's information begins a day or hours before the surgical procedure. Upon admittance, the admission clerk fills up a form containing the patient's personal information and billing details. When the patient is already in the selected unit, the assigned anesthesiologist assesses the patient and fills up a pre-anesthesia form. This form contains the patient's personal information, expected date of surgery, surgical procedures, anesthesia plan and other medical concerns.

During the surgery, the anesthesiologist records the operation data containing the operation procedures, anesthetic technique and medications. The anesthesiologist signs the record together with the anesthesia assistant, a resident or an associate. When the patient is transferred to the recovery room (RR), the RR nurse or the anesthesia assistant encodes the initial post-operative data including the type of anesthesia administered, condition of patient, wound site state and post-operative medications. The anesthesia resident also encodes post-operative data in the anesthesia resident's RR logbook. A logbook for nurses is also available in the RR. In the patient's stay in the RR, the nurses will be responsible for monitoring the

patient's condition, giving the medications prescribed by anesthesiologist, and updating the anesthesiologist about their patient's condition. After minutes, with an average of 4 hours, stay in the RR, an inpatient is transferred to the nursing unit or to the Intensive Care Unit (ICU). Post-operative patient requiring comprehensive and continuous care is observed at the ICU.

Ideally, the nurses should report to the anesthesiologist in a specific interval of time depending on the patient's condition or the anesthesiologist's specification. They should relay the patient's pain score and experiences thought to be related to anesthesia or pain medications (headache, vomiting, itching, difficulty of breathing, etc.) so that medicines can be given or changed. Information about the patient's condition is obtained by asking the patient or by examination of a nurse.

The post-operation monitoring, usually 48-hr monitoring period, is very important in post-operative patients because this is the time to prevent or immediately cure the complications of the procedures or the medication side effects. The monitoring period starts after the surgery. The anesthesiologist and the anesthesia assistant are accountable to the patient until the monitoring is over. If there is no anesthesia assistant present in the operation or when the assigned assistant is unavailable, the case will be passed on to the anesthesia resident-on-duty (AROD).

B. Statement of the Problem

At present, the exchange of information between nurses, anesthesiologists and residents and the collection and recording of data are done manually. Due to inadequate manpower because of migration of medical practitioners, the service offered to post-operative patients is insufficient. There are problems in transmitting information. Most of the time, nurses are too busy to ask the patients' relative data and to relay immediately to the doctors their patient's complains and findings. There are also times when the doctors cannot be contacted.

Keeping track of the patients' location, present condition and the time of monitoring also becomes a problem. This problem occurs mostly when the patients are taken to their units because of the need to transfer voluminous information from RR nurses to unit nurses. Also, due to inefficiency of the manual system, there is a poor data collection and documentation. Retrieval of data is also difficult because of the need to navigate through different patient's charts and forms.

C. Objectives of the Study

General Objective:

To develop a web-based system that will manage and store records of patients who underwent operation with anesthesia in the surgery suite of the 3rd floor of The Medical City and will enable nurses, residents and anesthesiologists to communicate via SMS.

Specific Objectives:

1. to provide a module for nurses that will allow them to perform the following functions
 - a. view and update personal information
 - b. change username and password
 - c. search patient by hospital number and/or name
 - d. add new patient record
 - e. view consultation of assigned under monitoring patients
 - f. update record of assigned patient (personal information, pre-operative data, post-operative data, location, medications, side effects and pain scores)
 - g. read SMS messages containing doctors' orders

2. to provide a module for residents with the following capabilities
 - a. view and update personal information
 - b. change username and password
 - c. search patient by hospital number and/or name
 - d. view consultation of patients
 - e. update record of patient (personal information, post-operative data and medications)
 - f. send and receive messages via SMS of their mobile phones
 - i. send messages to the system containing their orders to nurses
 - ii. receive messages from the system containing patients' concerns

3. to provide a module for anesthesiologists that allows performing the following functions
 - a. view and update personal information
 - b. change username and password
 - c. search patient by hospital number and/or name
 - d. view consultation of consulted patients
 - e. update record of consulted patient (medications and monitoring details)
 - f. send and receive messages via SMS of their mobile phones
 - i. send messages to the system containing their orders to nurses
 - ii. receive messages from the system containing their patients' concerns

4. to provide a maintenance system that allows the system administrator to
 - a. manage users
 - i. search user by type, system id and/or name
 - ii. add new user
 - iii. view user information
 - iv. update user's personal information and account settings
 - v. archive user

 - b. manage nurse assignments
 - i. add, edit and delete assignment schedule
 - ii. add, edit and delete nurse in assignment schedule
 - iii. add edit and delete room in assignment schedule
 - c. manage locations
 - i. view floors
 - ii. add, edit and archive rooms

- iii. add edit and archive beds
- d. manage system data
 - i. view post-operation report
 - iii. update AROD's cellular phone number

D. Significance of the Study

With the development of the Post-operative Pain Management System with SMS, the storage, retrieval and processing of data will be improved. Electronic communication may help doctors to respond immediately to their patients' needs. The incorporation of the Short Message Service (SMS) of mobile phones can help the nurses to inform the anesthesia assistants and anesthesiologists about the patients' condition. The notification system will allow the doctors to be instantly informed of significant events. It can also help the doctors to give immediate orders for their patients wherever they are.

The electronic registry of the post-operative patients will help the nurses in easy monitoring. The records of the patients' personal information, their operations, given interventions, effect of interventions and pain management, can be accessed easily. The reports that will be provided by the system will offer an alternative for the resident's and nurse's RR logbooks. The quality, accuracy and completeness of the data that will be encoded into the system is still highly dependent on its users but it will allow faster and more efficient way of transmitting information in order to improve quality of care for patients.

E. Scope and Limitations

1. The proposed system will only keep track of the anesthetized post-operative inpatients from the 3rd floor surgery suite of The Medical City.
2. The system is limited to post-anesthetic concerns only. More elaborate details on patient's concerns will have to be channelled accordingly.
3. The proposed system will not be responsible in recording patients' data after the monitoring period.
4. Addition of floors of the hospital is outside the system's concern.

5. Post-operative patients transferred to the ICU will not be monitored by the system.
6. Charging of text messages will be out of the system.

F. Assumptions

1. Nurses are able to check the system regularly to update the records whenever necessary.
2. Doctors respond immediately to the patients' concerns.
3. When a valid user updates a record it is because the record is erroneous and not because of personal interest.
4. Nurse assignments follow that of the hospital.
5. Signed prescription letters of the medications ordered through the system are provided by the doctors.

II. REVIEW OF RELATED LITERATURE

A computer-based surgical services management system for communicating between sites of a surgical services facility was developed by David Strum and Luis Vargas. The system includes a number of unique features. These features include scheduling, data analysis, telephone communications, report writer and data-achieve analyzer. The management system is responsible for tracking, recording, and communicating patient movement between site locations of a surgical services facility.[3]

James Menke et al in the research article, "Computerized clinical documentation system in the pediatric intensive care unit", implemented and evaluated

computerized clinical documentation system (CDS). Before and after implementation of CDS, a time study involving nursing care, medication delivery, and normalization of serum calcium and potassium values was performed. In addition, an evaluation of completeness of documentation and a clinician survey of shift to shift reporting were also completed. After the evaluation, the researchers claimed that the CDS provided a more legible, complete, and accessible patient record compared to a paper chart without affecting time spent in direct patient care. The availability of the CDS improved shift to shift reporting. Other observations showed that the CDS improved management capabilities; helped physicians deliver care; improved reimbursement; limited data entry errors and reduced costs.[4]

A fully interfaced clinical information system (CIS) contains physiologic, laboratory, blood gas, medication and other data that can be used as the information base for a comprehensive alerting system. CareVue CIS, a C++ software system developed by Michael Shabot et al, was used in 64 beds in seven ICUs to test its efficacy. Bedside data is obtained with data links to physiologic monitors, ventilators, electronic urimeters and intravenous infusion pumps. Medication orders and administration information is obtained from the CareVue Medication Administration Record (MAR). The system contains a rules engine for detecting critical events and an alerting engine to notify appropriate caregivers via multi-line alphanumeric pagers. When an alert condition is detected, the alerting engine formats a message and transmits it to the pagers of various recipients based on a table of recipients per message type and patient service type. After months of implementation the authors concluded that the use of computerized detection of critical medication-related events was more effective than manual detection and reporting.[5]

Prior attempts to interface ICU Clinical Information Systems (CIS) to Pharmacy systems have been less than successful. The major problem is that in ICUs, medications frequently have to be administered and charted in the CIS Medication Administration Record (MAR) before pharmacists can enter them into the Pharmacy system. When the Pharmacy system belatedly sends medication orders to the CIS MAR, this may create duplicate entries for medications that ICU nurses have had to enter manually to chart doses actually given. To solve this problem, Patient Care Expert (PCX) was developed and interfaced to a CIS serving 133 beds in 10 ICUs at Cedars-Sinai Medical Center. PCX is a real time interface between a Computerized Physician Order Entry (CPOE) system and a CIS. It was interfaced to the hospital's Pharmacy system and medication orders for ICU patients were transmitted to the CIS

MAR. As soon as a physician authenticated orders with an electronic signature, all medication orders appeared in the CIS MAR. Once the nurses authenticated the new medication entries, nurses may chart individual doses. During the three months of operation, the interface eliminated manual order transcription, medication entry errors and improved ICU nurse efficiency and satisfaction.[6]

In 1996, the Chief Information Office introduced Veterans Health Information Systems and Technology Architecture (VistA®). It is a rich, automated environment that supports day-to-day operations at United States' Department of Veterans Affairs (VA) health care facilities.[7] The real flagship of VistA® is the VA Computerized Patient Record System (CPRS).[8] CPRS capabilities include a Real-Time Order Checking System, a Notification System to alert clinicians to clinically significant events, and a Clinical Reminder System. It is flexible enough to be implemented in a wide variety of settings and is used by a broad spectrum of healthcare providers.[9]

Computerized reminders are proven effective in outpatient settings but have not been proved to increase preventive care in inpatient settings. To determine the effects of computerized reminders on the rates at which preventive therapies were ordered for inpatients, Paul Dexter et al conducted a randomized trial. During an 18-month study period, a computerized system processed on-line information for all 6371 patients admitted to a general medicine service (for a total of 10,065 hospitalizations), generating preventive care reminders as appropriate. Physicians who were in the intervention group viewed these reminders when they were using a computerized order-entry system for inpatients. Computerized reminders significantly increased the rate of delivery of preventive therapies.[10]

Hsiao-Ting Chen et al designed and implemented a real-time clinical alerting system for ICU, which executes alert algorithms on the database records of ICU physiologic parameters. The system automatically detects the physiological status of the patient. If the status conforms to the alert rule definitions, the system sends related messages to the clinicians via pagers or mobile phones. The data source invoked in this system is from the CareMaster™ CIS used in a 14-bed Surgical ICU at Taipei Veterans General Hospital. In a questionnaire taken by the 30 medical staff, 95% of the staff agreed that using mobile communication tools to inform them is a great help when the patient is in critical condition.[11]

A study conducted by Linda Dawson et al entitled “Investigating The Potential Improvement of Patient Management Systems In Hospital Ward Settings Using Mobile, Wireless Technologies” aims to present an action research study to monitor the utility, user acceptance, security and safety of wireless Information Communication Technology (ICT) devices and applications at the bedside for patient management and to analyse the current clinical ICT environment and work practices in a typical acute ward settings. The implications of the research are that current ICT environments in clinical wards may not be being fully utilised to enhance patient management at point of care due to barriers to usability and accessibility both to appropriate technology and consequently appropriate information needed for high-level, high quality patient management. There are also implications that the introduction of mobile, wireless technologies may deliver anticipated improvements in patient care as long as security and usability issues can be addressed.[12]

The “Evaluation of Clinical Response To Wireless Technology” by Charlotte Seckman et al is a study to investigate the safety, use and response of clinical staff to wireless technology. A convenience sample of clinical staff was surveyed using a variety of assessment tools. Survey results indicated a high level of acceptance for the wireless technology related to perceived usefulness, perceived ease of use, impact, adoption, advantage and future need. [13]

A randomised controlled trial was conducted by M Salim Silva et al in 1999 to assess the effectiveness of a telephone reminder in increasing responses to postal surveys. The trial was carried out with two separate Australian female samples. Sample A comprised 200 current office workers at an Australian university. Sample B consisted of patients who had developed work related neck and upper limb disorders between January 1980 and November 1984. A questionnaire about work related neck and upper body disorders were sent to them. A reminder letter, another copy of the questionnaire and a final letter were sent at two week intervals. Half of the non-respondents within each sample were randomly selected to receive a telephone reminder just after the second mailout of the questionnaire. Among 143 non-respondents, the responses were significantly higher among those who received the telephone reminder intervention.[14]

III. CONCEPTUAL/THEORETICAL FRAMEWORK

A. The Medical City (TMC)

The Medical City (TMC) is a private, tertiary care located along Ortigas Avenue in Pasig City. It has been operational since 1967. Its structure is composed of two towers joined by a Podium and bridge ways. The 15-storey Nursing Tower is currently fitted for 500 beds, and a future second Nursing Tower provides capacity for an additional 300 beds. Within the 6-floor Podium are located diagnostic and intervention facilities, as well as support and administrative offices.[15]

TMC offers diagnostic and treat services that address a broad range of diseases utilizing state-of-the-art technology such as computed tomography, magnetic resonance imaging and cardiac catheterization and interventional services among others. This is made possible through the Clinical Departments (including their various subspecialties) of Medicine, Surgery, Anesthesiology, Pediatrics, Obstetric-Gynecology, Ophthalmology, Otolaryngology, Psychiatry and Rehabilitation Medicine, as well as diagnostic and intervention units such as Clinical laboratories, Diagnostic

Radiology and Radiotherapy, Nuclear Medicine, Acute Stroke Unit and Intensive Care Unit. [15]

B. Clinical Information System (CIS)

A clinical information system is a computer-based system that is dedicated to the collection, storage, manipulation, and presentation of all the clinical information important to delivery of patient care. It is a collection of various information technology applications that provides a centralized repository of information related to patient care across distributed locations. This repository represents the patient's history of illnesses and interactions with providers by encoding knowledge capable of helping clinicians decide about the patient's condition, treatment options, and wellness activities. The repository also encodes the status of decisions, actions underway for those decisions, and relevant information that can help in performing those actions. The database could also hold other information about the patient, including genetic, environmental, and social contexts.[16]

CIS not only automates and streamlines many of the processes used by healthcare providers, but provides an extremely useful and usable electronic patient chart. The electronic patient record has all the flexibility of the traditional patient chart and all the advantages of electronic information flow. The care provider can update, browse, and share the information on the chart, and use it for outcome analysis, as well as integrate the information into the electronic systems for billing, filling prescription, lab tests, referrals, etc.[17]

C. Short Message Service (SMS)

The Short Message Service (SMS), also called text messaging, mobile messaging, or alphanumeric paging is a means of sending short messages to and from mobile phones.[18] It lets users send short text and numeric messages to and from digital cell phones, cell phones and e-mail addresses, as well as cell phones and public SMS messaging gateways on the Internet.[19] Originally, a single short message can be up to 160 characters of text in length. Those 160 characters can comprise of words or numbers or an alphanumeric combination. Non-text based short messages are also supported. These are used for ringtones and logos services for

instance.[20] The service makes use of a Service Centre, which acts as a store and forward centre for short messages.[19] The SMS Center handles and manages short messages. In case a problem in transmission occurs, the short message is stored and resent.

D. GAMMU (GNU All Mobile Management Utilities) SMS Manager

Gammu, earlier (up to version 0.58) named MyGnokii2, is a project which encompasses applications, scripts and drivers for managing various functions on cellular phones and similar devices.[20] It supports a wide variety of Nokia, Symbian, and AT devices (Siemens, Alcatel, Falcom, WaveCom, IPAQ, Samsung, SE, and others) over cables, infrared, or Bluetooth. It contains libraries with functions for ringtones, phonebook, SMS, logos, WAP, date/time, alarm, calls, and more (used by external applications like Wammu). It also includes a command line utility that can make many things (including backups) and an SMS gateway with full MySQL and PostgreSQL support from the PHP interface.[21]

It is a stable and mature codebase available on the market and provides functions unavailable in other similar projects. Long term development is oriented towards making a shared API for classes of device rather than supporting single phone models (which are eventually made obsolete with the arrival of new models). [21]

E. Task Scheduler

The Task Scheduler enables the user to automatically perform routine tasks on a chosen computer. The Task Scheduler does this by monitoring whatever criteria the user chooses to initiate the tasks (referred to as triggers) and then executing the tasks when the criteria is met.[22] VisualCron is an automation tool and scheduler for Windows. Advanced file/script execution, file transfer (FTP/FTPS/SFTP/SSH), email, archiving (ZIP/TAR/GZIP), encryption (PGP), system control (Hibernate,Standby,Restart,Logoff), SQL execution and monitoring are standard functions of VisualCron.[23]

F. Definition of Terms [24]

1. Ambulatory surgery- surgery performed on a person who is admitted to and discharged from a hospital on the same day
2. American Society of Anesthesiologists (ASA) score - five category physical status classification system for assessing a patient before surgery: normal healthy patient, patient with mild systemic disease, patient with severe systemic disease, patient with severe systemic disease that is a constant threat to life, moribund patient who is not expected to survive without the operation, declared brain-dead patient whose organs are being removed for donor purposes. If the surgery is an emergency, the physical status score is followed by "E".
3. Anesthesia - a drug, administered for medical or surgical purposes, that induces partial or total loss of sensation and may be topical, local, regional, or general, depending on the method of administration and area of the body affected
4. Anesthesiologist - a medical doctor trained to administer anesthesia and manage patients medically before, during, and after surgery
5. Intensive Care Unit (ICU) - a specialized section of a hospital that provides comprehensive and continuous care for persons who are critically ill and who can benefit from treatment
6. Mallampati score - also Mallampati classification, is used to predict the ease of intubation. It is determined by looking at the anatomy of the oral cavity; specifically, it is based on the visibility of the base of uvula, faucial pillars and soft palate.
7. Obstetric surgery - refers to procedures that are performed to treat a variety of conditions affecting the female reproductive organs. The main structures of the reproductive system are the vagina, the uterus, the ovaries, and the fallopian tubes.
8. Pain management - encompasses pharmacological, nonpharmacological, and other approaches to prevent, reduce, or stop pain sensations
9. Pain score - also pain scale, are tools that can help health care providers diagnose or measure a patient's pain's intensity. The most widely used scales are visual, verbal, numerical or some combination of all three forms.
10. Recovery Room (RR) - also called a post-anesthesia care unit (PACU), is a space a patient is taken to after surgery to safely regain consciousness from anesthesia and receive appropriate post-operative care

11. Resident - a physician receiving specialized clinical training in a hospital, usually after completing an internship

IV. DESIGN AND IMPLEMENTATION

A. Entity Relationship Diagram

Figure 1 shows the Entity Relationship Diagram (ERD). There are 22 entities. The attributes of these entities are described in the data dictionary.

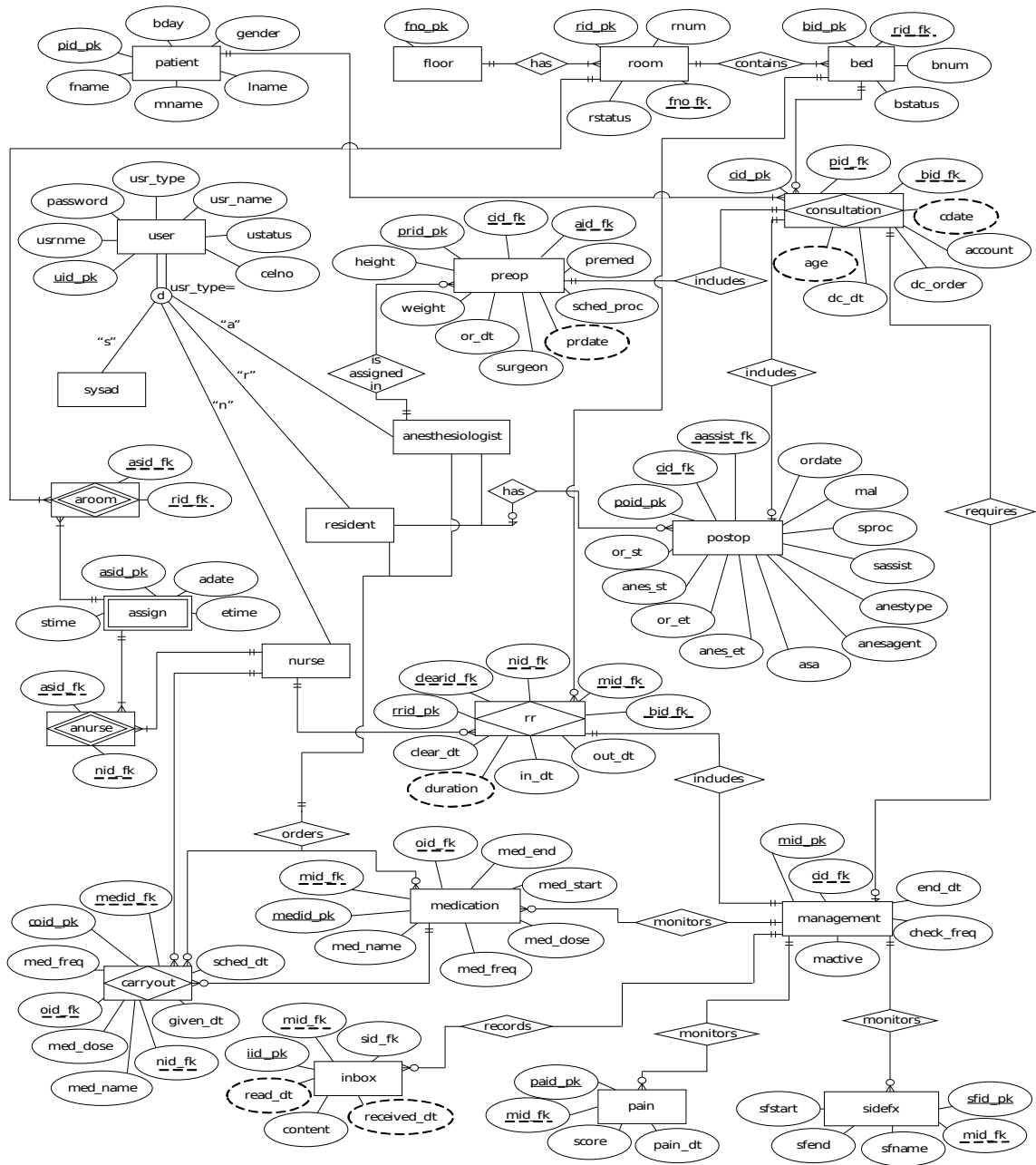


Figure 1: Entity Relationship Diagram, POPMS

B. Data Dictionary

1. user - table listing of nurses, anesthesiologists, residents and system administrators

Attribute	Description	Data Type	Allow Null
uid_pk	PK; user's auto-numbered ID	Int(4)	No
usrnm	UNIQUE; user's log-in username	Varchar(25)	No

password	User's password for authentication	Varchar(25)	No
usr_name	User's full name	Varchar(40)	No
celno	User's cellular phone number	Varchar(13)	Yes
usr_type	Type of user; Value: 's' for system administrator, 'a' for anesthesiologist, 'r' for resident, 'n' for nurse	Char(1)	No
ustatus	Status of the user's account; Value: 0 for deactivated, 1 for active, 2 for archived	Tinyint(1)	No

2. patient - table listing of anesthesia department's patients

Attribute	Description	Data Type	Allow Null
<u>pid_pk</u>	PK; patient's ID or hospital number	Int(6)	No
fname	Patient's first name	Varchar(20)	No
mname	Patient's middle name	Varchar(20)	Yes
lname	Patient's surname	Varchar(20)	No
bday	Patient's date of birth	Date	No
gender	Patient's gender; Value: 1 for male, 2 for female	Char(1)	No

3. floor - table listing of hospital floors

Attribute	Description	Data Type	Allow Null
<u>fno_pk</u>	PK; floor number	Int(2)	No

4. room - table listing of hospital rooms

Attribute	Description	Data Type	Allow Null
<u>rid_pk</u>	PK; room's auto-numbered ID	Int(3)	No
fno_fk	FK; floor where the room belongs	Int(2)	No
rnum	room number	Varchar(6)	No
rstatus	Flag that determines whether the room is archived	Tinyint(1)	No

5. bed - table listing of hospital beds

Attribute	Description	Data Type	Allow Null
<u>bid_pk</u>	PK; bed's auto-numbered ID	Int(4)	No

rid_fk	FK; ID of the room which contains the bed	Int(3)	No
bnun	PK; bed number	Varchar(8)	No
bstatus	Flag that detemines whether the bed is archived	Tinyint(1)	No

6. consultation - table listing of admission records

Attribute	Description	Data Type	Allow Null
cid_pk	PK; consultation ID or record number	Int(8)	No
pid_fk	FK; ID or hospital number of the admitted patient	Int(6)	No
bid_fk	FK; ID of the bed of the admitted patient	Int(4)	No
cdate	DERIVED; Consultation date (based on computer date)	Date	No
account	Health card of admitted patient	Varchar(20)	Yes
age	DERIVED; patient's age (based on patient's birth date)	Int(3)	No
dc_order	Full name of the doctor who discharged the patient	Varchar(40)	Yes
dc_dt	Date and time the patient is discharged	Timestamp	Yes

7. preop - table listing of pre-operative records

Attribute	Description	Data Type	Allow Null
prid_pk	PK; auto-numbered ID identifying a pre-operative record	Int(8)	No
cid_fk	FK; consultation ID of the pre-operative patient	Int(8)	No
aid_fk	FK; ID of the anesthesiologist of the surgery	Int(4)	No
prdate	DERIVED; Pre-operative assessment date (based on computer date)	Date	No
weight	Patient's weight in pounds	Int(3)	Yes
height	Patient's height in centimeters	Int(3)	Yes
or_dt	Scheduled date and time of surgery	Timestamp	No
surgeon	Full name of surgeons of the operation	Text	No
sched_proc	Scheduled surgical procedures of patient	Text	No
premed	Pre-anesthesia medications given to the patient	Text	Yes

8. postop - table listing of post-operative records

Attribute	Description	Data Type	Allow Null
<u>poid_pk</u>	PK; auto-numbered ID identifying a post-operative record	Int(8)	No
cid_fk	FK; consultation ID of the post-operative patient	Int(8)	No
aassist_fk	FK; ID of the anesthesia assistant present in the operation	Int(4)	Yes
ordate	Date of surgery	Date	No
sassist	Full name of surgical assistant present in the operation	Text	Yes
sproc	Surgical procedures done to the patient	Text	No
mal	Mallampati score; Value: 1 for I, 2 for II, 3 for III, 4 for IV	Char(1)	Yes
asa	American Society of Anesthesiologist score; Value: 1-6 ±E	Varchar(2)	Yes
anestype	Type of anesthesia administered to patient	Text	No
anesagent	Anesthesia agent given to patient	Varchar(50)	No
or_st	Time the surgical procedure started	Time	No
or_et	Time the surgical procedure ended	Time	No
anes_st	Start time of anesthesia	Time	No
anes_et	End time of anesthesia	Time	No

9. management - table listing of post-anesthesia management records

Attribute	Description	Data Type	Allow Null
<u>mid_pk</u>	PK; auto-numbered ID identifying a post-anesthesia management record	Int(8)	No
cid_fk	FK; consultation ID of the patient under monitoring	Int(8)	No
check_freq	Time frequency of checking the patient's condition	Time	No
end_dt	Date and time when to stop monitoring	Timestamp	No
mactive	Flag which determines whether the patient is still under monitoring	Tinyint(1)	No

10. rr - table listing of records containing details about the post-operative patient's stay in the RR

Attribute	Description	Data Type	Allow Null
<u>rrid_pk</u>	PK; auto-numbered ID identifying a RR record	Int(8)	No
mid_fk	FK; ID of post-anesthesia management record of patient under recovery	Int(8)	No
nid_fk	FK; ID of the nurse-in-charge in the RR	Int(4)	Yes
clearid_fk	FK; ID of the anesthesiologist or resident who cleared the patient	Int(4)	Yes
bid_fk	FK; RR bed number occupied by the patient	Int(4)	No
clear_dt	Date and time the patient is cleared	Timestamp	Yes
in_dt	Date and time when the patient was transferred to the RR	Timestamp	No
out_dt	Date and time when the patient was transferred to the nursing unit	Timestamp	Yes
duration	DERIVED; length of patient's stay in the RR (difference of in_dt and out_dt)	Time	Yes

11. medication - table listing of ordered medications

Attribute	Description	Data Type	Allow Null
<u>medid_pk</u>	PK; auto-numbered ID identifying an ordered medication	Int(10)	No
mid_fk	FK; ID of post-anesthesia management record of patient under medication	Int(8)	No
oid_fk	FK; ID of the anesthesiologist or resident who ordered the medication	Int(4)	No
med_name	Drug name	Varchar(25)	No
med_dose	Dosage of the drug	Text	No
med_freq	Frequency of drug intake	Time	No
med_start	Scheduled date and time when to start the medication intake	Timestamp	No
med_end	Flag which determines if the medication has ended	Tinyint(1)	No

12. carryout - table listing of carried out medication schedules

Attribute	Description	Data Type	Allow Null
<u>coid_pk</u>	PK; auto-numbered ID of carried out medication schedule	Int(10)	No
nid_fk	FK; ID of the nurse who gave the medicine to the patient	Int(4)	No
medid_fk	FK; ID of the medication received by the patient	Int(10)	No
oid_fk	FK; ID of the anesthesiologist or resident who ordered the medication	Int(4)	No
med_name	Drug name	Varchar(25)	No
med_dose	Dosage of the drug	Text	No
sched_dt	DERIVED; Scheduled date and time of the medication intake (start of medication or last time the medication was given plus frequency of intake)	Timestamp	No
given_dt	Date and time the medicine was given	Timestamp	No

13. pain - table listing of pain score records

Attribute	Description	Data Type	Allow Null
<u>paid_pk</u>	PK; auto-numbered ID of patient's pain score record	Int(10)	No
mid_fk	FK; ID of post-anesthesia management record of the patient	Int(8)	No
score	Patient's pain score	Int(2)	No
pain_dt	Timestamp of pain score entry	Timestamp	No

14. sidefx - table listing of patients' side effects associated with anesthesia or post-anesthesia management medications

Attribute	Description	Data Type	Allow Null
<u>sfid_pk</u>	PK; auto-numbered ID identifying anesthesia or medications side effects	Int(10)	No
mid_fk	FK; ID of post-anesthesia management record of complaining patient	Int(8)	No
sfname	Side effect	Varchar(20)	No
sfstart	Date and time the side effect started	Timestamp	No
sfend	Date and time the side effect was resolved	Timestamp	Yes

p

15. assign - table listing of nurse assignment schedules

Attribute	Description	Data Type	Allow Null
asid_pk	PK; auto-numbered assignment schedule ID	Int(5)	No
adate	Assignment schedule date	Date	No
stime	Start time of assignment schedule	Time	No
etime	End time of assignment schedule	Time	No

16. anurse - table listing of nurses assigned in schedule

Attribute	Description	Data Type	Allow Null
asid_fk	FK; nurse assignment schedule ID	Int(5)	No
nid_fk	FK; ID of the assigned nurse	Int(4)	No

17. aroom - table listing of rooms assigned to nurses in schedule

Attribute	Description	Data Type	Allow Null
asid_fk	PK; nurse assignment schedule ID	Int(5)	No
rid_fk	FK; ID of the room assigned to the nurses	Int(3)	No

18. inbox - table listing of valid text messages

Attribute	Description	Data Type	Allow Null
iid_pk	PK; auto-numbered message ID	Int(10)	No
mid_fk	FK; Patient's post-anesthesia management record ID where the message is directed	Int(8)	No
sid_fk	Cellular phone number of the sender of the message (anesthesiologist or resident)	Varchar(13)	No
received_dt	DERIVED; date and time the message was received (based on computer date)	Timestamp	No
content	Text message content	Blob	No
read_dt	DERIVED; date and time the message was read (based on computer date)	Timestamp	Yes

C. Context Diagram

The context diagram in Figure 2, illustrated below, shows that the system has four main types of users: nurse, anesthesiologist, resident and system administrator or the quality assurance staff. Two databases are used in managing the system. The GAMMU database facilitates the sending and receiving of SMS messages. The POPMS database stores system data and controls other system functions.

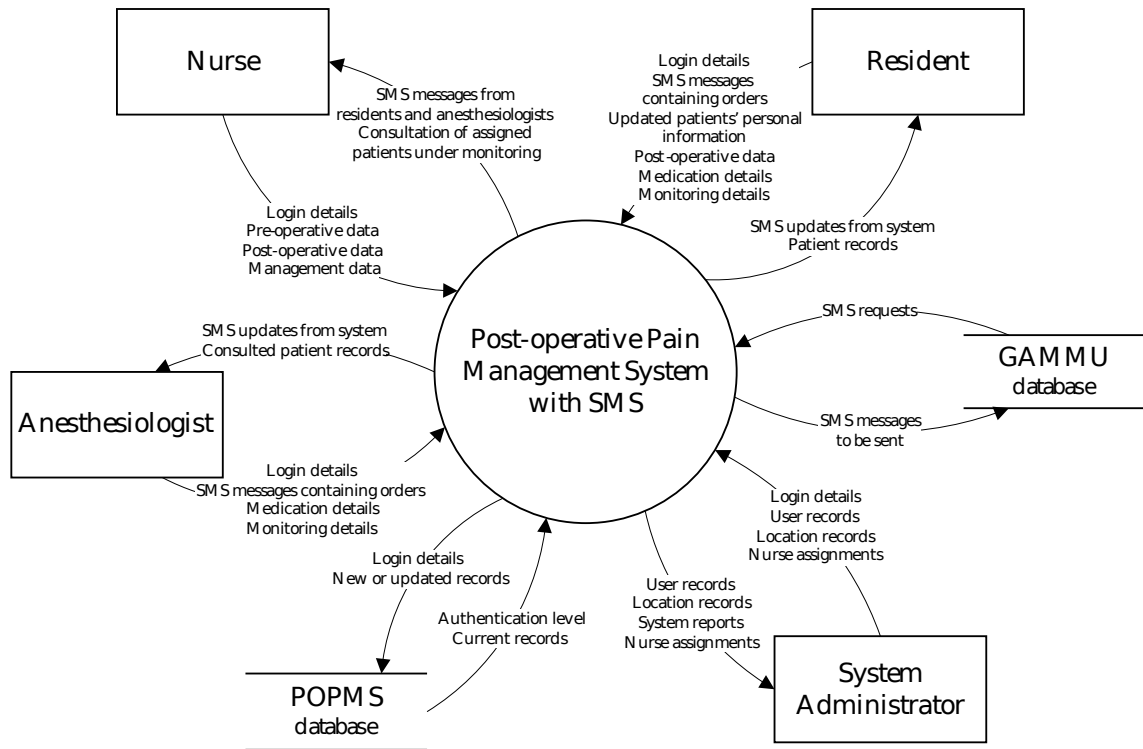


Figure 2: Context Diagram, POPMS

D. Data Flow Diagram

Figure 3 shows the system's top level data flow diagram. The system would implement thirteen main functions. These are: (1) Login, (2) Search patient, (3) Add patient record, (4) View patients, (5) Update patient, (6) Manage pain scores, (7) Manage medications, (8) Manage side effects, (9) Manage locations, (10) Manage users, (11) Manage assignment schedules, (12) View reports, and (13) Manage SMS messages.

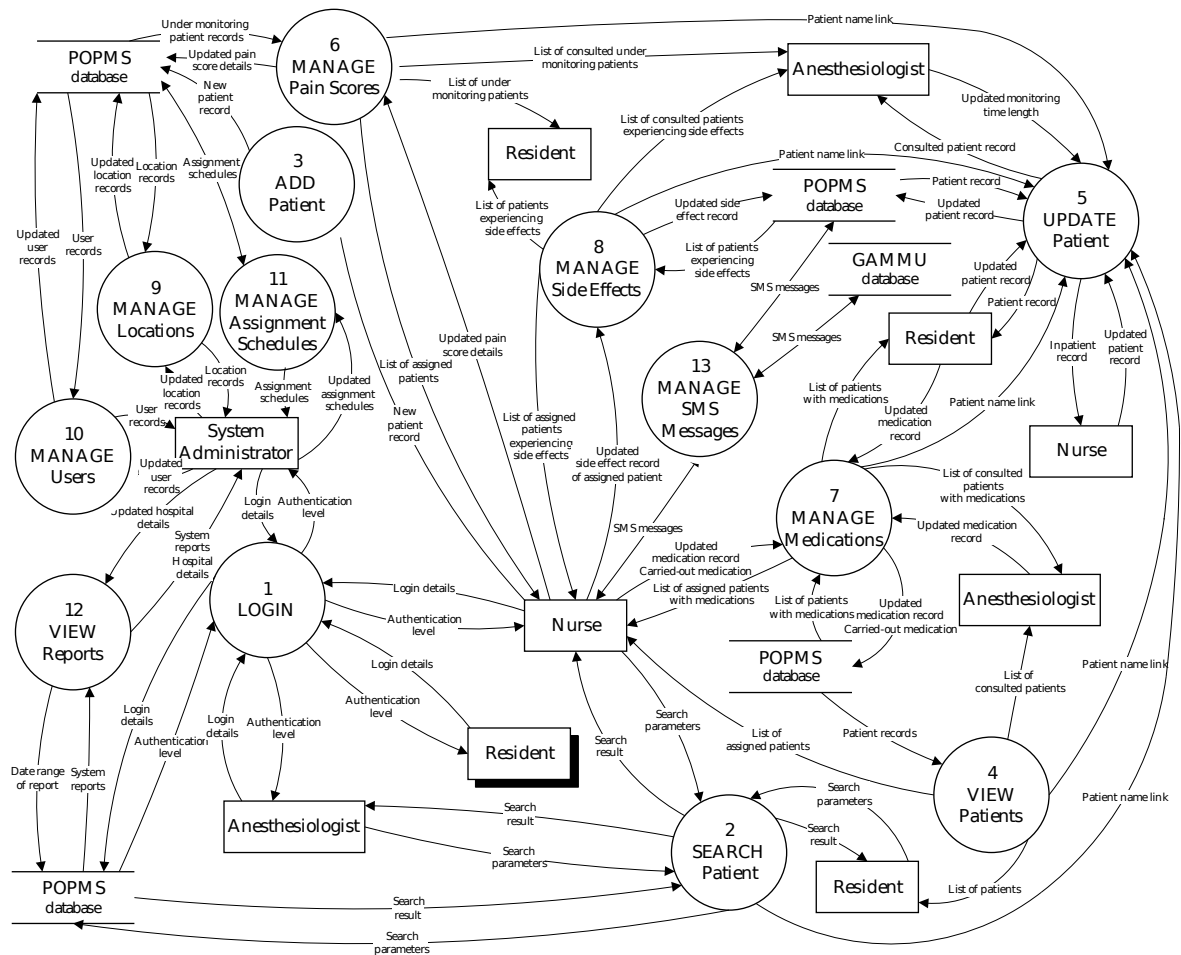


Figure 3. Top Level Data Flow Diagram, POPMS

Figure 4 shows the sub-explosion of Process 1: LOGIN. All users need to gain different levels of access to avail of the system's functionalities. The username and password inputted by the users will be confirmed by the system. Upon successful login, the user can update his personal information, username and password.

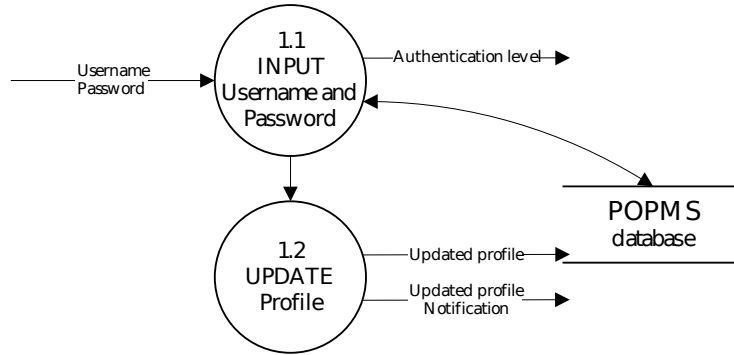


Figure 4. Sub-explosion of Process 1: Login, POPMS

The sub-explosion of Process 2: Search Patient is seen in Figure 5. All anesthesiologists, residents and nurses can use the search function to easily view a patient record. However, the patients that will be displayed after the search will depend on the users' access rights. Nurses can view and update only the records of under monitoring patients assigned to them. Anesthesiologists can view present and past records of patients consulted to them. They can update only the records of inpatients consulted to them. On the other hand, a resident can view all patient records and update records of inpatients.

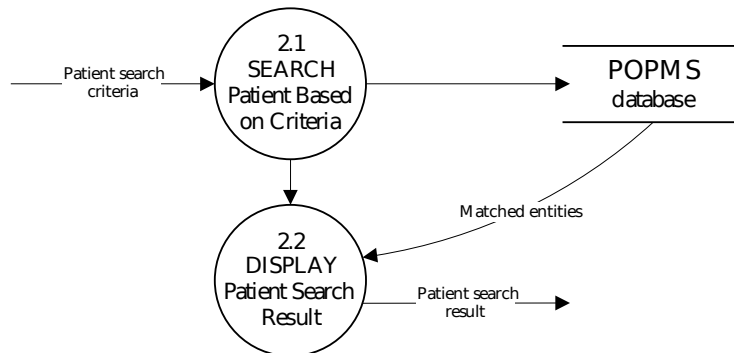


Figure 5. Sub-explosion of Process 2: Search Patient, POPMS

Figure 6 illustrates the sub-explosion of Process 4: View Patients. Process 4.1: View Patients by Location allows a valid user to see the list of patients in the selected location. On the other hand, the other sub-process Process 4.2 View Patients by Status gives a valid user a choice of viewing patients consulted to them (only for anesthesiologists), without post-operation data yet (for RR nurses and residents only), inpatients that already went through the monitoring period and past patient records. These options are shown in Figure 7: Sub-explosion of Process 4.2: View Patients by Status.

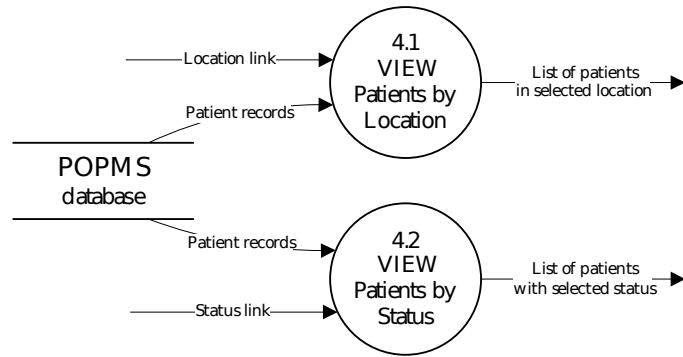


Figure 6. Sub-explosion of Process 4: View Patients, POPMS

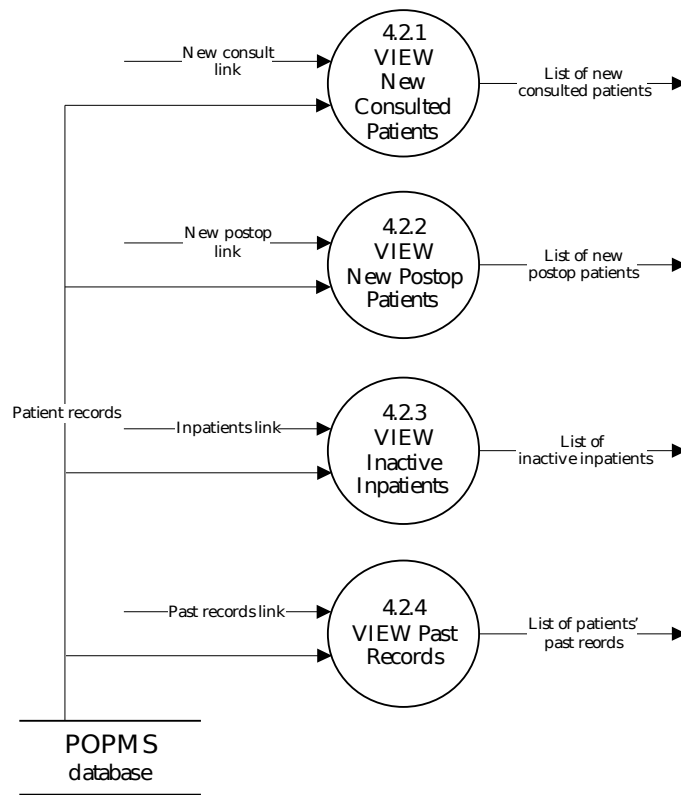


Figure 7. Sub-explosion of Process 4.2: View Patients by Status, POPMS

After viewing a patient record, a valid user can update the record. The sub-explosion of Process 5: Update Patient is illustrated in Figure 8. Patient data that can be edited includes personal information, pre-operation data, post-operation data, RR stay data, and discharge details. These functions are only available for consultations of an inpatient. Past consultation records of patients can only be viewed.

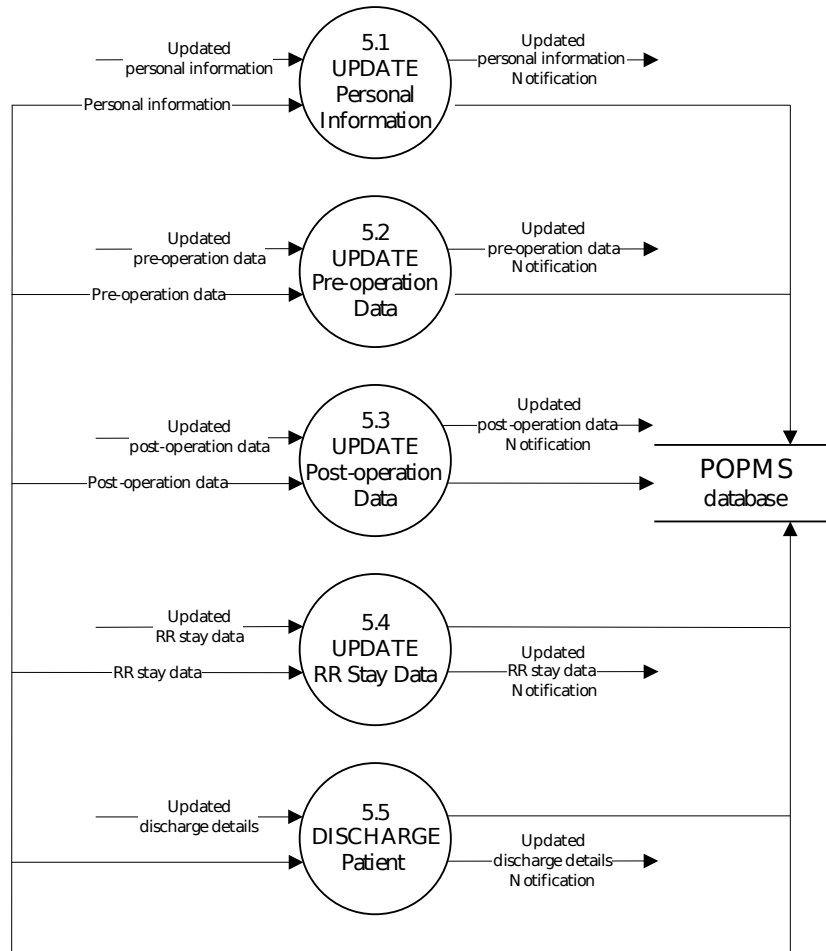


Figure 8. Sub-explosion of Process 5: Update Patient, POPMS

New post operation record can be added if there is no such record for a consultation. Editing of this record, as well as pre operation record, can be done in existing records. The sub-process of updating pre and post operation records are depicted in Figure 9, sub-explosion of Process 5.2: Update Pre-operation Data, and Figure 10, sub-explosion of Process 5.3: Update Post-operation Data.

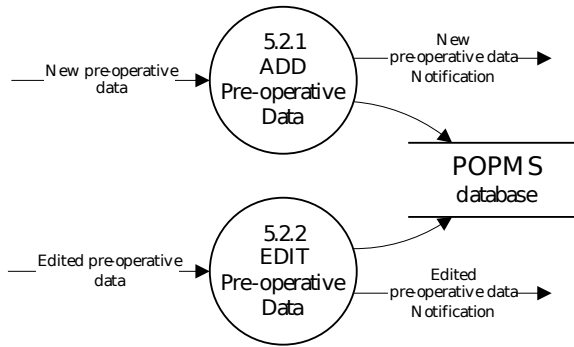


Figure 9. Sub-explosion of Process 5.2: Update Pre-operation Data, POPMS

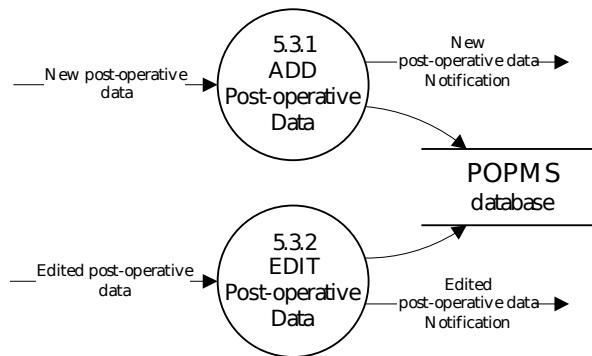


Figure 10. Sub-explosion of Process 5.3: Update Post-operation Data, POPMS

Figure 11 depicts the sub-explosion of Process 5.4: Update RR Stay Data. If the RR stay data for a consultation is not available, the anesthesia assistant, anesthesia resident or anaesthesiologist, of the operation or the RR nurse can add the data.

When a patient is cleared from the RR, the patient is ready for transfer to the nursing unit.

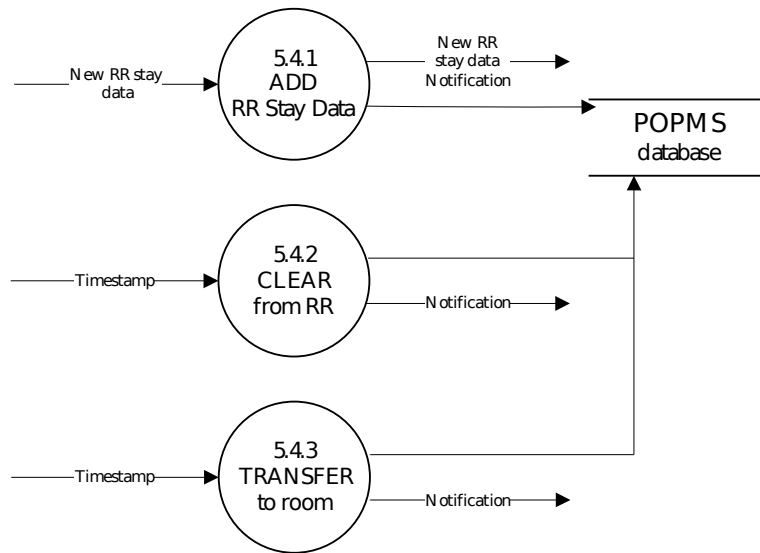


Figure 11. Sub-explosion of Process 5.4: Update RR Stay Data, POPMS

Process 6: Manage Pain Scores allows valid user to view and update the pain scores of patients under monitoring. Its sub-explosion is shown in Figure 12. Sub-explosion of Process 6: Manage Pain Scores. Only the nurses can update the pain score of patients.

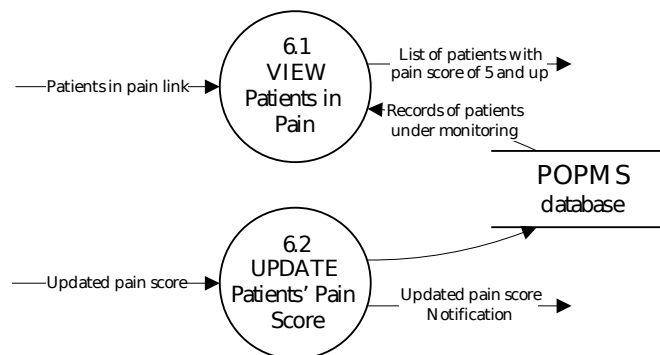


Figure 12. Sub-explosion of Process 6: Manage Pain Scores, POPMS

For easy monitoring of patients, a valid user can view the list of patients with medications and those with reported side effects. The list of patients with medications are arranged in ascending order of remaining time until the administration of medicine while the list of patients with side effects are arranged chronologically based on the time the side effect was reported. Figure 13 shows the

sub-explosion of Process 7: Manage Medications and the sub-explosion of Process 8: Manage Side Effects is illustrated in Figure 14.

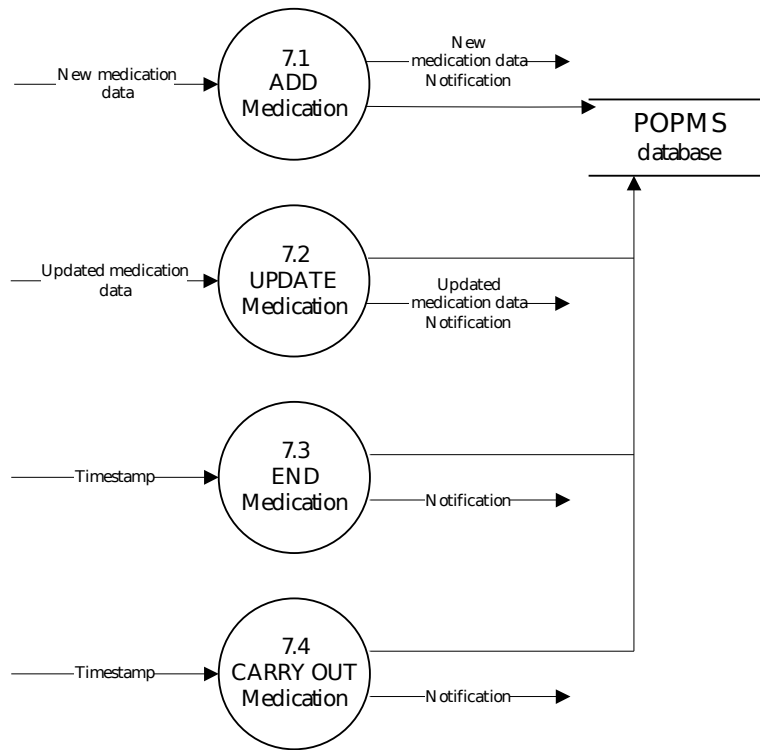


Figure 13. Sub-explosion of Process 7: Manage Medications, POPMS

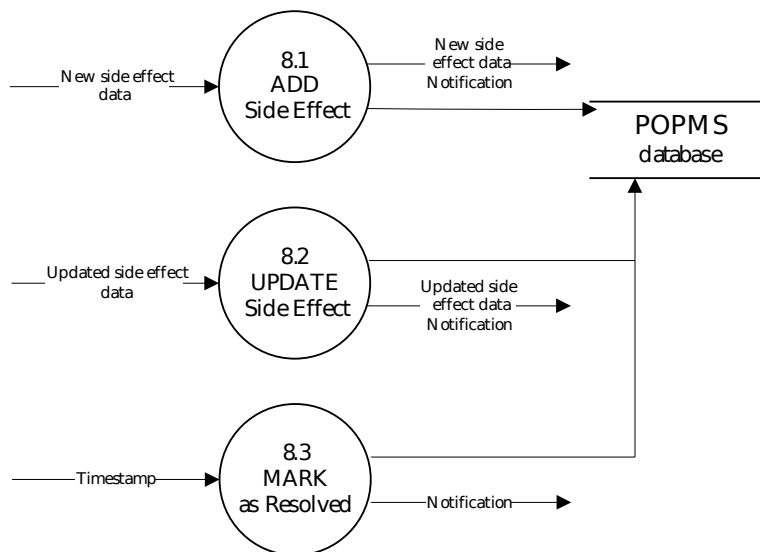


Figure 14. Sub-explosion of Process 8: Manage Side Effects, POPMS

The sub-explosion of Process 9: Manage Locations is illustrated in Figure 15. The system administrator can update the rooms and beds stored in the system database so that the data will be the same as the hospital's locations. The sub-explosions of Process 9.2: Manage Rooms and Process 9.3: Manage Beds are depicted in Figures 16 and 17.

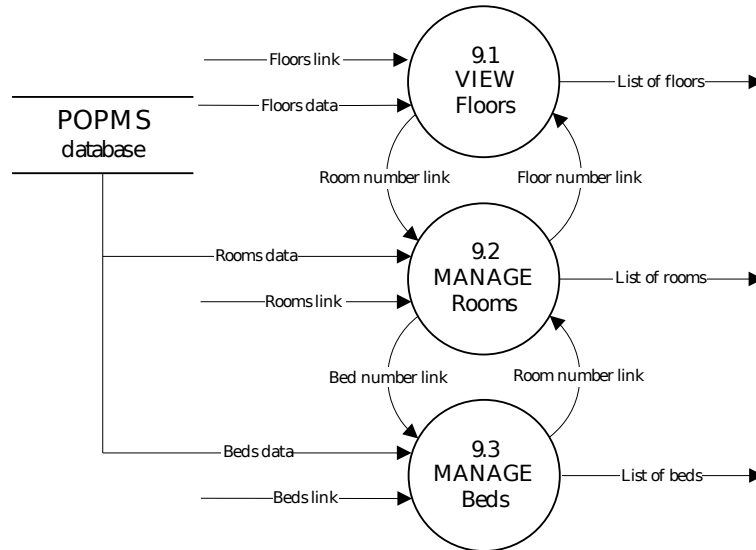


Figure 15. Sub-explosion of Process 9: Manage Locations, POPMS

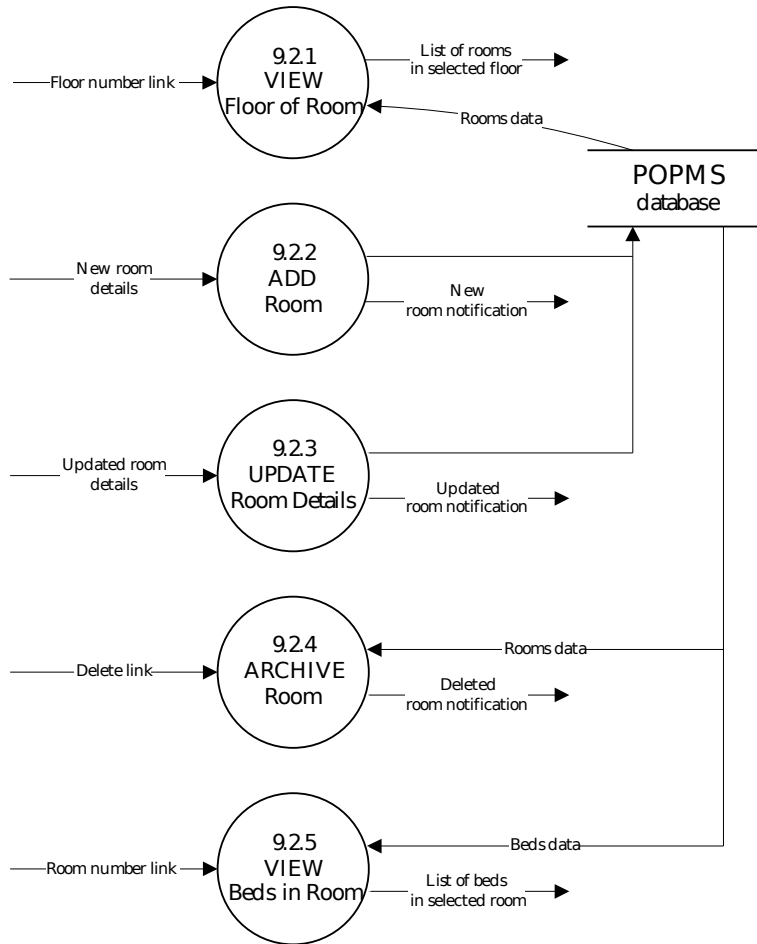


Figure 16. Sub-explosion of Process 9.2: Manage Rooms, POPMS

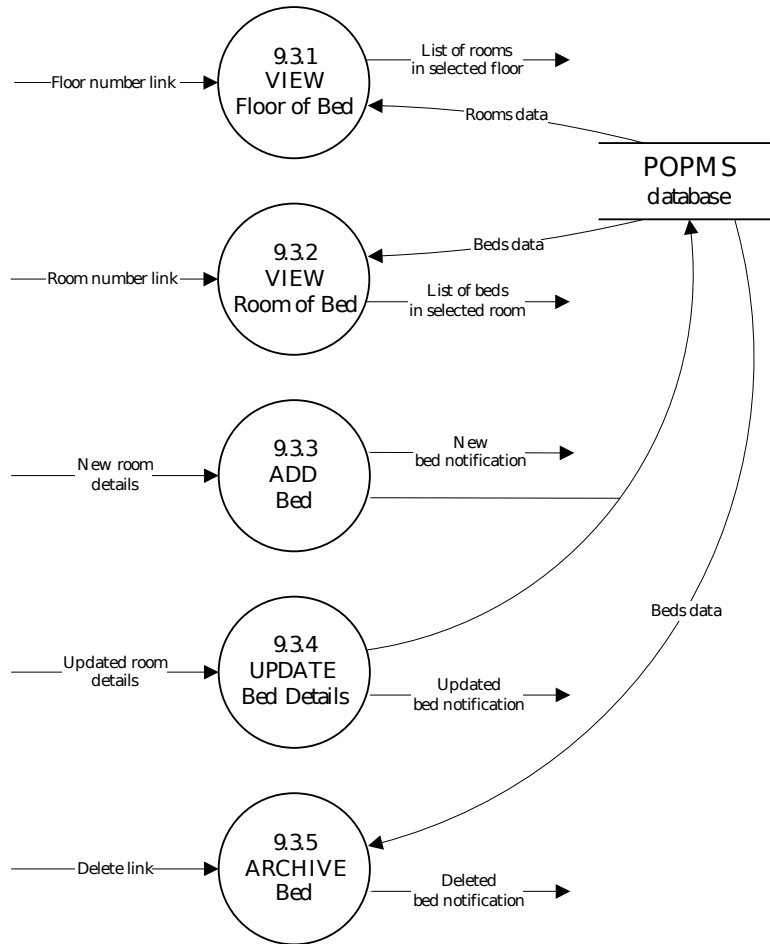


Figure 17. Sub-explosion of Process 9.3: Manage Beds, POPMS

Figure 18 shows the sub-explosion of Process 10: Manage User. This process allows the system administrator to search a user, add new user, update existing user

profile, activate or deactivate an account and archive a user. The sub-explosion of the Process 10.1: Search User is can be seen in Figure 19. The administrator can search by user type, user id and/or user name.

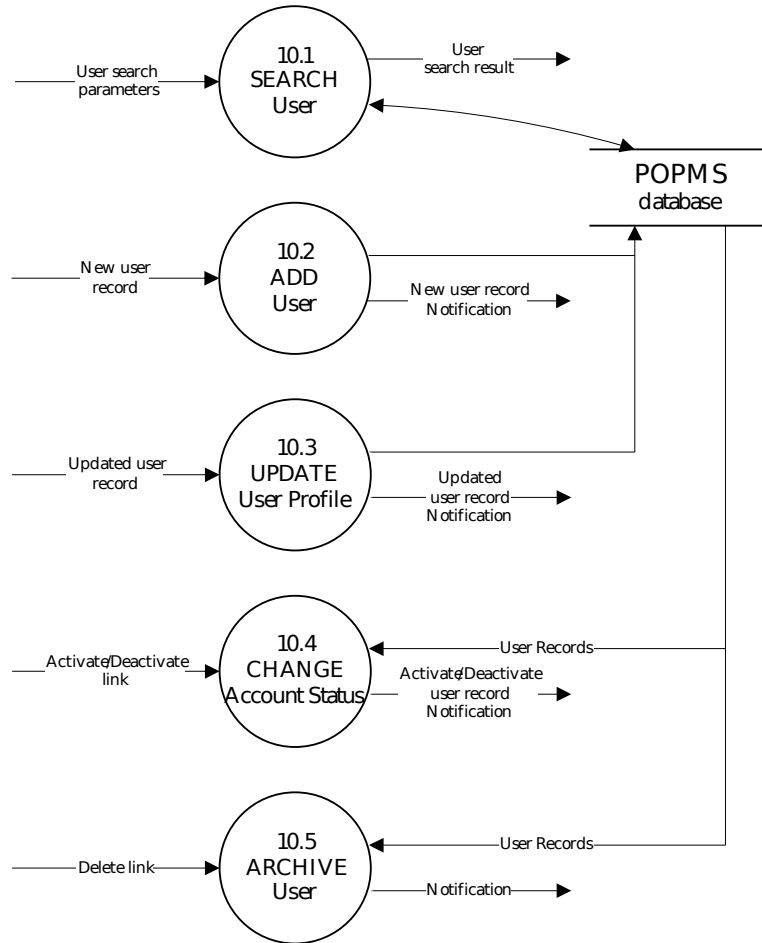


Figure 18. Sub-explosion of Process 10: Manage Users, POPMS

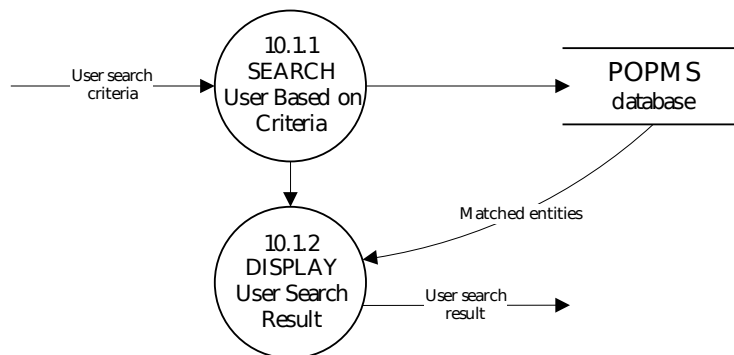


Figure 19. Sub-explosion of Process 10.1: Search User, POPMS

To filter the patient records that can be viewed and updated by the nurses, the system administrator can set an assignment schedule for them. Figure 20 shows the sub-explosion of Process 11: Manage Assignment Schedules.

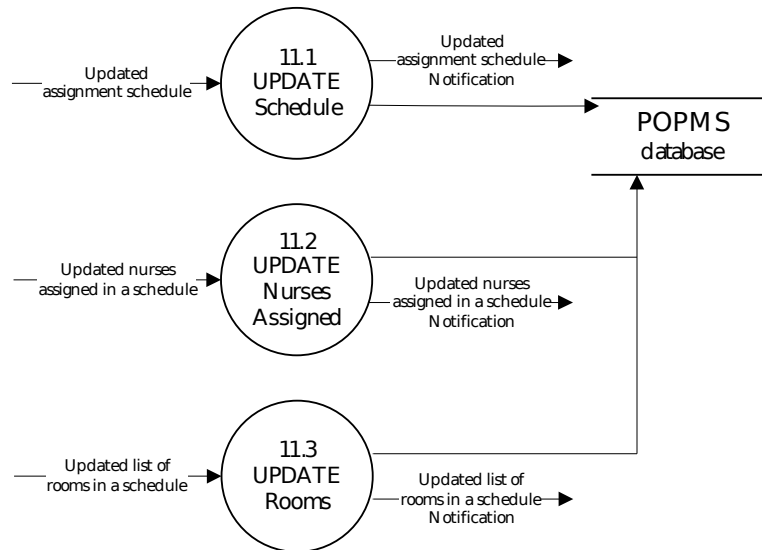


Figure 20. Sub-explosion of Process 11: Manage Assignment Schedules, POPMS

Important post-operation hospital reports can be seen by the system administrator. These includes the data in the anesthesia resident’s RR logbook and data in the RR nurse’s logbook. The resident’s logbook is represented by the post-operation report while the RR report corresponds to the nurse’s logbook. The RR report is grouped per shift (6am-2pm, 2pm-10pm, 10pm-6am) based on the time the patient was transferred from the RR. To limit the record that will be displayed, the system administrator can input the desired date range of report. Reports can also be viewed and saved as Microsoft Excel documents. These sub-processes are depicted in the sub-explosions of Process 12.1: VIEW Post-operation Report and Process 12.2: VIEW RR Report illustrated in Figures 22 and 23, respectively.

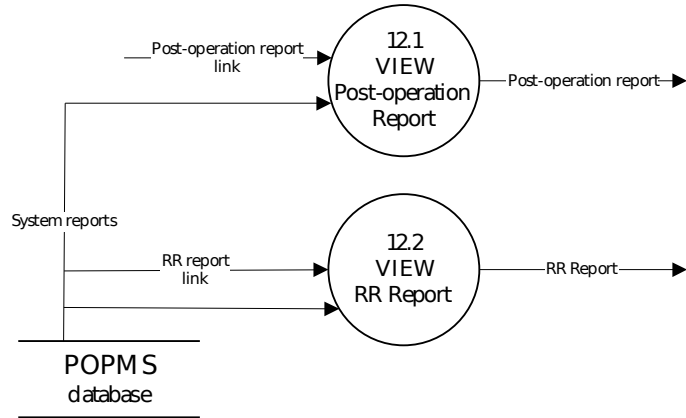


Figure 21. Sub-explosion of Process 12: View Reports, POPMS

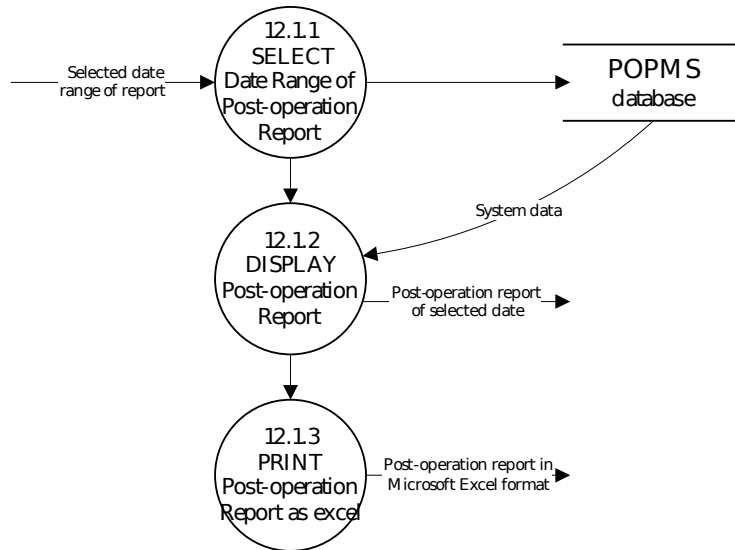


Figure 22. Sub-explosion of Process 12.1: View Post-operation Report, POPMS

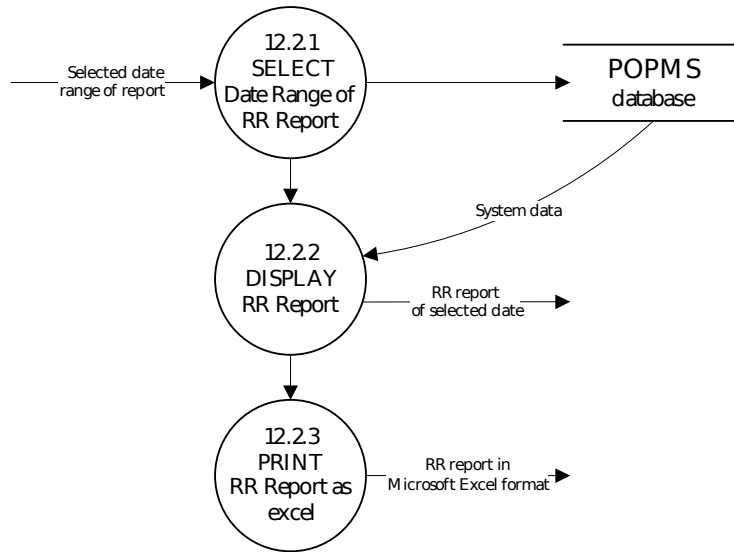


Figure 23. Sub-explosion of Process 12.2: View RR Report, POPMS

Figure 24 illustrates the sub-explosion of Process 13: Manage SMS Messages. Nurses can read the SMS messages containing orders from anesthesiologists and residents. The system will also schedule sending of messages to users.

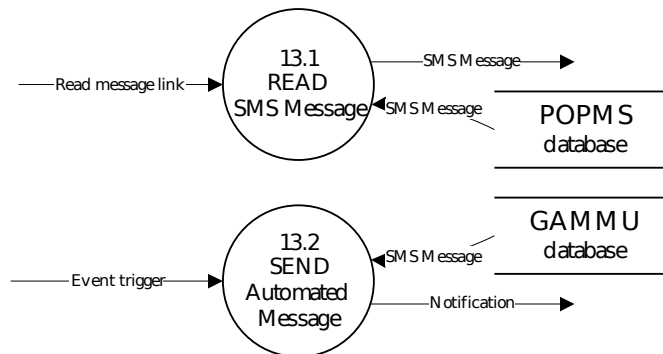


Figure 24. Sub-explosion of Process 13: Manage SMS Messages, POPMS

A flowchart is provided to show how the system processes SMS messages. The flowchart is illustrated in Figure 25. Scheduling of sending SMS messages are done when the system is triggered - a new SMS message is received, a new side effect is inputted or a pain score is added or updated.

When a message is received, the system checks if the message is in the correct format. If the message format is invalid, the system checks if the cellular phone number used is registered in the system database. Only registered users will be able to receive a notification message informing the sender that the message is invalid. If the received message follows the order message format, it will be further examined. The system confirms if the username, password and management id provided by the sender is valid. If the message is valid, the system will cancel the scheduled task (SMS messages that will be sent in case the responsible contact was not able to respond on time) and store the message in the database for the nurse to read. The sender of a valid message will be notified by the system. The side effect and pain score records that are stored in the database are analyzed by the system. The system automatically notifies the person in-charge when a side effect is reported and when the pain score reported is 5 and up. Tasks are also scheduled.

When a significant event in the patient happened, the first person to be notified is the anesthesiologist. The system will check first if the cellular phone number of the anesthesiologist is available. The message will be sent every 5 minutes if the anesthesiologist didn't reply or the patient record is not updated. If after 3 times of sending the message and still the anesthesiologist didn't respond, the message containing the patient's concern will be sent to the anesthesia assistant. If there is no anesthesia assistant cellular phone number available, the system will direct the text message to the anesthesia resident on-duty cellular phone number. All messages to anesthesia assistants will be redirected to the AROD cellular phone number from 5pm to 8am. Only doctors who provided their cellular phone number will be able to receive notifications from the system.

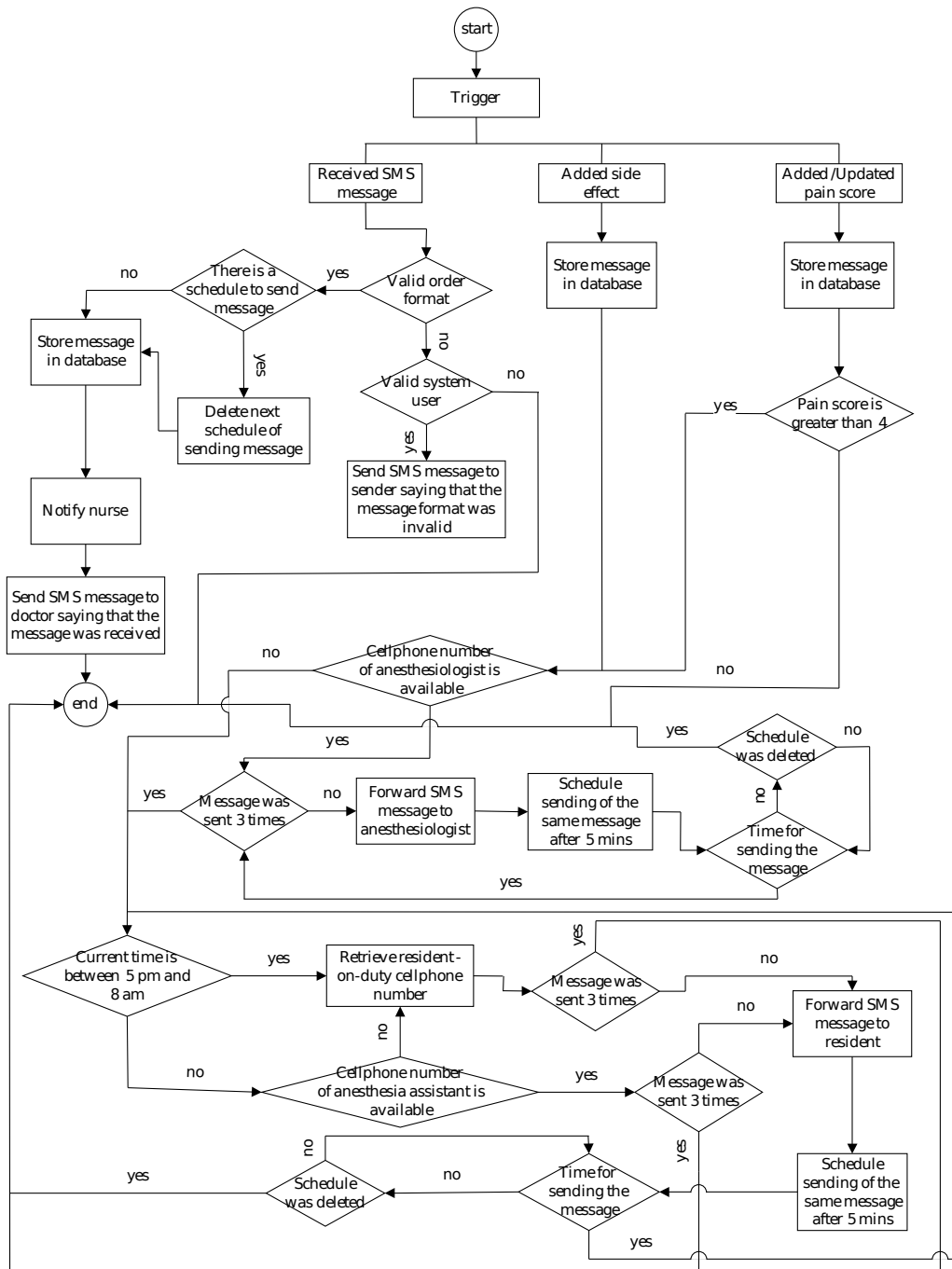


Figure 25. Flowchart for sending SMS messages, POPMS

E. Data Retrieval and Collection

System's Short Message Service are available to anesthesiologists and residents. They will be notified by the system via SMS if a significant event happened to their patients and they can send their orders to the nurses by using this service. If they didn't provide their cellular phone number, they can view their patient's condition and update information by logging in the system and viewing their patients' records. System administrators and nurses will be provided with their corresponding functionalities upon logging in the system.

1. SMS Format

Format of order from anaesthesiologist or resident:

OR [mid_pk] [order] u:[username] p:[password]

Example:

OR 12345678 Diazepam 6mg every 4hrs u:cvbayot p:mypass123

System Interpretation: An order from user cvbayot with password mypass123 for patient with management ID of 12345678. The message between the management ID and username is for the nurse to interpret.

2. Grammatical Rules

Received SMS messages are parsed by the system to check its validity. Only valid text messages will be processed by the system.

Rules for valid text messages:

<message> ::= "OR" <space> <mid_pk> <space> <text> <space>
u:<username> <space> p:<password>

<mid_pk> ::= <digit> <digit> <digit> <digit> <digit> <digit> <digit>
<digit>

<username> ::= <word>

<password> ::= <word>

<word> ::= (<letter> | <digit>) { <letter> | <digit> }

<text> ::= <char>{<char>}

<char> ::= <letter> | <digit> | <space>

<letter> ::= 'A' | 'B' | 'C' |...| 'Z' | 'a' | 'b' | 'c' |...| 'z'

<digit> ::= 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

<space> ::= ' '

F. Technical Architecture

The Post-operative Pain Management System is a web-based clinical information system that uses client-server architecture. (see Figure 26). Under the structure of the client-server architecture, a computer network will have a server computer, which functions as the "brains" of the organization, and a group of client computers, which are commonly called workstations.[25] In this scenario, the client represents the users who access the system.

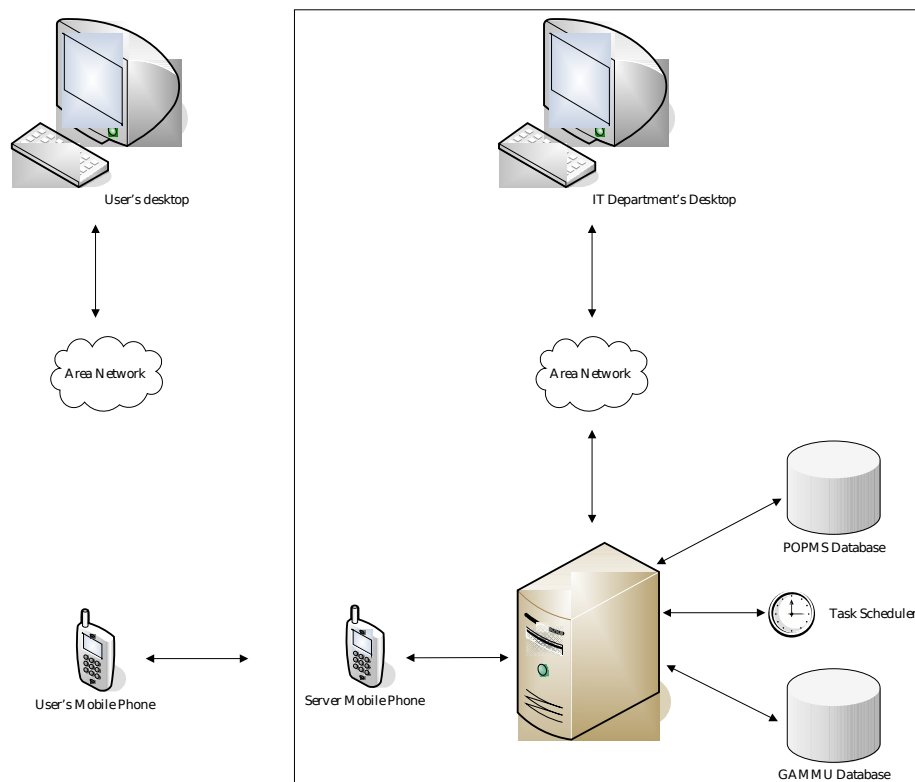


Figure 26. Technical Architecture of POPMS

Technical Specifications

The machine to be used in the system should have the following specifications:

Hardware

- 1 GHz processor or faster
- At least 256 MB of RAM

- 10 GB available hard disk space or bigger
- 1028 x 768 screen resolution
- Nokia cellular phone compatible with the infrared port

Software

- Microsoft Windows XP or later versions of Windows operating system
- Internet Explorer 6 or equivalent
- GAMMU SMS manager version 1.09.00 or later
- MySQL 5.0.27 or later
- PHP version 5.2.1 or later
- Apache HTTP Server 2.2.4 or later
- VisualCron 4.8.4 or later

V. RESULTS

The login page of POPMS is shown in Figure 27. This page allows users to login to POPMS. There are four types of users that can access the system - nurse, resident, anesthesiologist and system administrator.



Figure 27. Login Page, POPMS

NEW POSTOP PATIENTS View All (6)

OR Date	OR Time	Patient Name	Anesthesiologist	Surgeon	Procedure	Action
Oct 26	11:30 AM	ANG, Frances Lina	Balcueva E	Esquivel JA	Calcaneal Osteotomy	Add Postop
Oct 26	12:00 PM	LUA, Lydia	Catalan G	Meguizo DJ	Calcaneal Osteotomy	Add Postop
Oct 26	12:30 PM	MARAÑON, Donato	Banzon J	Montemayor PJ	Calcaneal Osteotomy	Add Postop
Oct 26	12:40 PM	ANDRES, Nerrisa	Catalan G	FT	Appendectomy	Edit Postop Add RR Discharge
Oct 26	1:30 PM	NAVAL, Robert	Catalan G	Roxas MF	Calcaneal Osteotomy	Add Postop

PATIENTS WITH MEDICATIONS View All (1)

Patient Name	Bed No	Ordered By	Medication	Dosage	Frequency	Start	Next Intake	Given	Action
PACHECO, Elizabeth	RR2	Ancheta C	Phenegan	25mg	Shrs	Oct 26, 9:30 AM	01:48:00	1	Edit Stop

PATIENTS COMPLAINING SIDE EFFECTS View All (1)

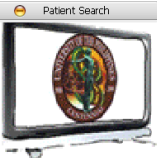
Patient Name	Bed No	Side Effect	Start	Anesthesiologist	Assistant	Action
PACHECO, Elizabeth	RR2	vomitting	Oct 26, 9:00 AM	Ancheta C	None	Edit Medication


PATIENTS WITH HIGH PAIN SCORES View All (2)

Patient Name	Bed No	Pain Score	Date and Time	Anesthesiologist	Assistant	Action
PACHECO, Elizabeth	RR2	7	Apr 1, 12:22 AM	Ancheta C	None	Edit Medication
PIEDAD, Fernando Basilio	RR4	7	Oct 26, 10:00 AM	Banzon J	Acosta D	Edit Medication

Figure 28. Nurse's Home Page, POPMS

The four types of users have different home pages. The home pages provide some quick links, as shown in Figures 28 - 31, for easy navigation. Figure 28 shows the home page of a RR nurse. A unit nurse doesn't have the New Postop Patients list.





POPMS
Post-operative Pain Management System

HOME
MY ACCOUNT
PATIENTS' STATUS
PATIENTS' LOCATION
MONITORING DATA
LOGOUT
12:44:58 pm

WELCOME Rumbaoa VI

NEW POSTOP PATIENTS View All (6)

OR Date	OR Time	Patient Name	Anesthesiologist	Surgeon	Action
Oct 26	11:30 AM	ANG, Frances Lina	Balcueva E	Esquivel JA	Add Postop
Oct 26	12:00 PM	LUA, Lydia	Catalan G	Meguizo DJ	Add Postop
Oct 26	12:30 PM	HARANON, Donato	Banzon J	Montemayor PJ	Add Postop
Oct 26	12:40 PM	ANDRES, Nerissa	Catalan G	FT	Edit Postop Discharge
Oct 26	1:30 PM	NAVAL, Robert	Catalan G	Roxas MF	Add Postop

PATIENTS WITH MEDICATIONS View All (6)

Patient Name	Bed No	Ordered By	Medication	Dosage	Frequency	Start	Next Intake	Given	Action
MALINAO, Revilyn	P0418AL	Catalan G	Morphine	30 mg	1hrs	Oct 26, 10:30 AM	Oct 26, 11:31 am	1	Edit Stop
REYES, Paciano Baltazar	P0303E	Acosta D	Advil	200mg	4hrs	Oct 26, 8:20 AM	Oct 26, 12:20 pm	1	Edit Stop
PICAZO, Eugenio	N1216	Catalan G	Demerol	50mg	4hrs	Oct 26, 9:00 AM	00:15:11	1	Edit Stop
PACHECO, Elizabeth	RR2	Ancheta C	Phenegran	25mg	Shrs	Oct 26, 9:30 AM	01:45:11	1	Edit Stop
ROSALES, Catherine	0601F	Balcueva S	Phenegran	25mg	Shrs	Oct 26, 9:35 AM	01:50:11	1	Edit Stop

PATIENTS COMPLAINING SIDE EFFECTS View All (5)


Patient Name	Bed No	Side Effect	Start	Anesthesiologist	Assistant	Action
PICAZO, Eugenio	N1216	vomitting	Oct 26, 12:13 PM	Catalan G	Ancheta C	Edit Medication
MALINAO, Revilyn	P0418AL	headache	Oct 26, 10:32 AM	Catalan G	Rumbaoa V	Edit Medication
ROSALES, Catherine	0601F	vomitting	Oct 26, 9:30 AM	Catalan G	Ponciano P	Edit Medication
PACHECO, Elizabeth	RR2	vomitting	Oct 26, 9:00 AM	Ancheta C	None	Edit Medication
REYES, Paciano Baltazar	P0303E	headache	Oct 26, 8:00 AM	Balcueva E	Vivar W	Edit Medication


PATIENTS WITH HIGH PAIN SCORES View All (10)

Patient Name	Bed No	Pain Score	Date and Time	Anesthesiologist	Assistant	Action
PACHECO, Elizabeth	RR2	7	Apr 1, 12:22 AM	Ancheta C	None	Edit Medication
PIEDAD, Fernando Basilio	RR4	7	Oct 26, 10:00 AM	Banzon J	Acosta D	Edit Medication
PICAZO, Eugenio	N1216	5	Oct 26, 10:00 AM	Catalan G	Ancheta C	Edit Medication
SIBULO, Ma. Carla	N1417	7	Oct 26, 9:00 AM	Catalan G	Ponciano P	Edit Medication
VILLAFUERTE, Lillian	N1118	6	Oct 26, 9:00 AM	Ancheta C	Rumbaoa V	Edit Medication

Copyright © 2009. UP Manila. All Rights Reserved.

Figure 29. Resident's Home Page, POPMS





POPMS
Post-operative Pain Management System

HOME
MY ACCOUNT
PATIENTS' STATUS
PATIENTS' LOCATION
MONITORING DATA
LOGOUT
12:48:59 pm

WELCOME Catalan GI

NEW CONSULTATIONS View All (2)

Record No	OR Date	OR Time	Patient Name	Surgeon	Procedure	Premeds
47	Oct 26	12:00 PM	LUA, Lydia	Meguizo DJ	Calcaneal Osteotomy	IM/Demerol 50mg
51	Oct 26	1:30 PM	NAVAL, Robert	Roxas MF	Calcaneal Osteotomy	IM/Midazolam 5mg

PATIENTS WITH MEDICATIONS View All (3)

Patient Name	Bed No	Ordered By	Medication	Dosage	Frequency	Start	Next Intake	Given	Action
MALINAO, Revilyn	P0418AL	Catalan G	Morphine	30 mg	1hrs	Oct 26, 10:30 AM	Oct 26, 11:31 am	1	Edit Stop
PICAZO, Eugenio	N1216	Catalan G	Demerol	50mg	4hrs	Oct 26, 9:00 AM	00:11:01	1	Edit Stop
ROSALES, Catherine	0601F	Balcueva S	Phenegran	25mg	Shrs	Oct 26, 9:35 AM	01:46:01	1	Edit Stop

PATIENTS COMPLAINING SIDE EFFECTS View All (3)

Patient Name	Bed No	Side Effect	Start	Anesthesiologist	Assistant	Action
PICAZO, Eugenio	N1216	vomitting	Oct 26, 12:13 PM	Catalan G	Ancheta C	Edit Medication
MALINAO, Revilyn	P0418AL	headache	Oct 26, 10:32 AM	Catalan G	Rumbaoa V	Edit Medication
ROSALES, Catherine	0601F	vomitting	Oct 26, 9:30 AM	Catalan G	Ponciano P	Edit Medication

PATIENTS WITH HIGH PAIN SCORES View All (5)

Patient Name	Bed No	Pain Score	Date and Time	Anesthesiologist	Assistant	Action
PICAZO, Eugenio	N1216	5	Oct 26, 10:00 AM	Catalan G	Ancheta C	Edit Medication
SANIEL, Edmundo	N0915	5	Oct 26, 9:00 AM	Catalan G	Rumbaoa V	Edit Medication
SIBULO, Ma. Carla	N1417	7	Oct 26, 9:00 AM	Catalan G	Ponciano P	Edit Medication
TIANGCO, Beatrice	N0916	6	Oct 26, 6:00 AM	Catalan G	None	Edit Medication
FLORENCIO, Mary Queen	N1418	6	Oct 26, 6:00 AM	Catalan G	Vivar W	Edit Medication

Copyright © 2009. UP Manila. All Rights Reserved.

Figure 30. Anesthesiologist's Home Page, POPMS

WELCOME Bayot C!

USERS
Anesthesiologists(6)
Nurses(16)
Residents(8)
Administrators(2)
[View All \(33\)](#)

NURSE ASSIGNMENTS
Schedules(40)
Most Recent: **March 31, 2008**
10:00 PM - 6:00 AM
Hospital Number:
AROD: +639175511733

LOCATIONS
Floors(12)
Rooms(197)
Beds(300)

POST-OPERATION REPORT [View All Post-operation Records](#)

Date	Hospital No	Bed No	Name	Procedure	Surgeon	Anesthesiologist	Anes Start	Anes End	DR Start	DR End
Oct 26, 2007	37	N0913B	MARTINEZ, Gregorio	Patellar Tendon Tenolysis	Ocampo VN	Ancheta C	13:00:00	17:00:00	13:00:00	17:00:00
Oct 26, 2007	378	N0516	VITOR, Xanthe	Shoulder Debridement	Vivar W	Balcueva S	00:00:00	15:00:00	00:00:00	15:00:00
Oct 26, 2007	31	P0303C	KASALA, Carmela	Strabismus	Campana JR	Catalan G	09:45:00	14:00:00	10:00:00	14:00:00
Oct 26, 2007	200	P0418AM	ZABANAL, Kathleen Grace	Appendectomy	Esquivel JA	Catalan G	10:40:00	13:00:00	11:00:00	13:00:00
Oct 26, 2007	33	P0501D	LANSANG, Mary Ann	Calcaneal Osteotomy	Desquitado AP	Ancheta C	09:50:00	11:30:00	10:00:00	11:30:00

RECOVERY ROOM REPORT [View All Recovery Room Records](#)

Date	Bed No	Name	Time Out	Duration	Procedure	Surgeon	Anesthesiologist	Anesthesia Type	RR	NIC	Cleared
Oct 27, 2007	0601E	RAMOS, Josephine	07:10 AM	21:00 hrs	Cholecystectomy	Campana JR	Ancheta C	IV	Agno	MN	07:10 AM
Oct 27, 2007	N0516	BESMANO, Jan Aldrin	07:10 AM	22:00 hrs	Strabismus	Aldana JP	Catalan G	GA/IV	Agno	MN	07:10 AM
Oct 26, 2007	P0501E	REGALA, Eugenio Emmanuel	02:10 PM	4:00 hrs	Carpal Tunnel Release	Carillo LR	Balcueva E	Spinal	Alicazaren	E	02:10 PM
Oct 26, 2007	N1015	PIEDAD, Francis Luke	02:10 PM	4:00 hrs	Patellar Tendon Tenolysis	Aldana JP	Ancheta C	IV	Agno	MN	02:10 PM
Oct 26, 2007	N1216	PICAZO, Eugenio	01:10 PM	5:00 hrs	Calcaneal Osteotomy	Sih MI	Catalan G	Spinal	Agno	MN	01:10 PM

Copyright © 2008. UP Manila. All Rights Reserved.

Figure 31. System Administrator's Home Page, POPMS

Figure 32 shows the edit own account page of a user. A valid user has the capability to change their personal information. Nurses and system administrators don't have the cellular phone number field.

YOUR ACCOUNT

ACCOUNT INFORMATION

User Type:

Username:

Password:

Re-type Password:

PERSONAL INFORMATION

Name:

Cellular Phone Number:

Copyright © 2008. UP Manila. All Rights Reserved.

Figure 32. Edit Account Page, POPMS

Add New Pre Operation Assessment form depicted in Figure 33 allows adding of new patient consultation. The hospital number and record number of a patient are assigned by the hospital. Editing of pre operation assessment data are shown in Figures 34 and 35. Figure 34 shows the personal information of the patient while Figure 35 shows the consultation details of the patient. Hospital and consultation numbers cannot be edited.

The screenshot displays the POPMS (Post-operative Pain Management System) interface. At the top, there is a navigation menu with the following items: HOME, MY ACCOUNT, PATIENTS' STATUS, PATIENTS' LOCATION, MONITORING DATA, LOGOUT, and the current time 1:01:25 pm. Below the navigation menu, the main content area is titled 'PRE OPERATION ASSESSMENT'. This area is divided into two columns:

- PERSONAL INFORMATION:**
 - Hospital No:
 - First Name:
 - Middle Name:
 - Last Name:
 - Date of Birth: mm
 - Gender:
- CONSULTATION AND PRE OPERATION DETAILS:**
 - Record No:
 - Account:
 - Room:
 - Bed:
 - Date of Surgery: mm : 00 mm
 - Procedure:
 - Weight: lbs
 - Height: cm
 - Surgeon:
 - Anesthesiologist:
 - Pre Anesthesia Medication:

At the top right of the main content area, there is an 'SMS Messages' window with a table header: MID, Sender, Received, Message. Below the main content area, there are three buttons: save, reset, and cancel.

Figure 33. Add New Pre Operation Assessment, POPMS



Figure 34. Edit Patient's Personal Information, POPMS

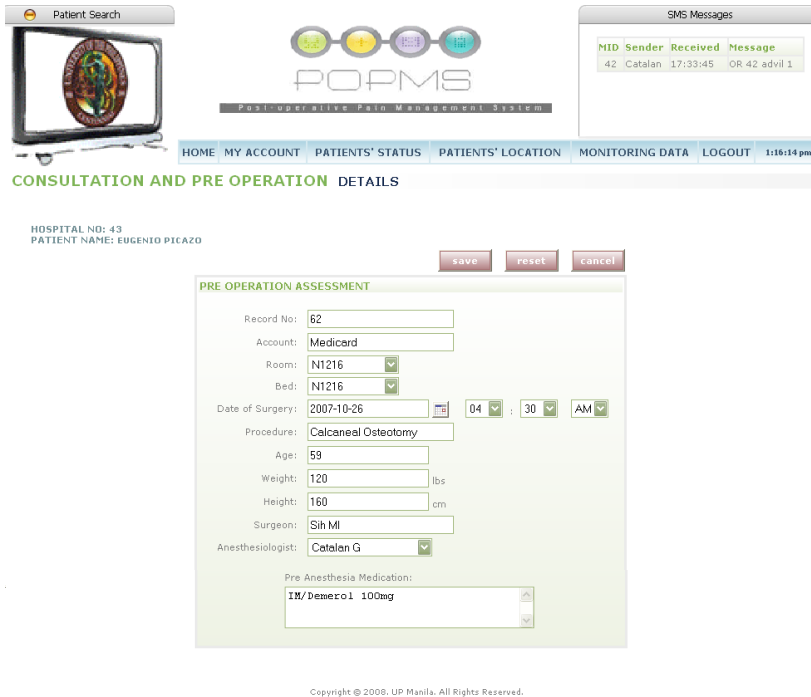


Figure 35. Edit Consultation and Pre Operation Details, POPMS

Figure 36 shows the anesthesiologists' view of the list of the patients consulted to them that don't have post-operation data. The table view is arranged by patient name but can be sorted by record number, OR date, patient name, surgeon name, scheduled procedure and pre medications.

The screenshot shows the POPMS (Post-operative Pain Management System) interface. At the top, there is a 'Patient Search' box with a search icon. Below it is a navigation menu with options: HOME, MY ACCOUNT, PATIENTS' STATUS, PATIENTS' LOCATION, MONITORING DATA, and LOGOUT. The time displayed is 12:59:44 pm. The main section is titled 'NEW CONSULTED PATIENTS' and contains a table with the following data:

Record No	OR Date	OR Time	Patient Name	Surgeon	Procedure	Premeds
47	Oct 26	12:00 PM	LUA, Lydia	Meguizo DJ	Calcaneal Osteotomy	IM/Demerol 50mg
51	Oct 26	1:30 PM	NAVAL, Robert	Roxas MF	Calcaneal Osteotomy	IM/Midazolam 5mg

Copyright © 2009. UP Manila. All Rights Reserved.

Figure 36. New Consulted Patients List, POPMS

RR nurses and residents can view post operative patients with no post operative data or RR data. Figure 37 shows this view. The table is arranged in chronological order by OR date and time. It can be sorted by OR date, patient name, anaesthesiologist name, surgeon name and scheduled procedure. Link for adding and editing post operation details will be directed to the Post Operation Details page. A link for adding RR details can also be available in this page. Patients that already have post operation details can be discharged.

The screenshot shows the POPMS (Post-operative Pain Management System) interface. At the top, there is a 'Patient Search' box with a search icon. Below it is a navigation menu with options: HOME, MY ACCOUNT, PATIENTS' STATUS, PATIENTS' LOCATION, MONITORING DATA, and LOGOUT. The time displayed is 1:03:11 pm. The main section is titled 'NEW POSTOP PATIENTS' and contains a table with the following data:

OR Date	Start Time	Patient Name	Anesthesiologist	Surgeon	Procedure	Action
Oct 26	11:30 AM	ANG, Frances Lina	Balcueva E	Esquivel JA	Calcaneal Osteotomy	Add Postop
Oct 26	12:00 PM	LUA, Lydia	Catalan G	Meguizo DJ	Calcaneal Osteotomy	Add Postop
Oct 26	12:30 PM	MARAÑON, Donato	Banzon J	Montemayor PJ	Calcaneal Osteotomy	Add Postop
Oct 26	12:40 PM	ANDRES, Nerissa	Catalan G	FT	Appendectomy	Edit Postop Add RR Discharge
Oct 26	1:30 PM	NAVAL, Robert	Catalan G	Roxas MF	Calcaneal Osteotomy	Add Postop
Oct 26	5:30 PM	OLAVERE, Alan Paul	Balcueva E	Ocampo VN	Calcaneal Osteotomy	Add Postop

Copyright © 2009. UP Manila. All Rights Reserved.

Figure 37. New Post Operation Patients List, POPMS

Add and edit post operation data page have the same format as seen in Figure 38. In adding a post operation data, the default date and time of surgery and procedure is based on the pre operation assessment.

The screenshot shows the 'POST OPERATION DATA' page in the POPMS system. At the top, there is a 'Patient Search' window and an 'SMS Messages' window. The main header includes the POPMS logo and a navigation menu with options: HOME, MY ACCOUNT, PATIENTS' STATUS, PATIENTS' LOCATION, MONITORING DATA, and LOGOUT. The current time is 11:07:55 am. Below the header, the patient information is displayed: HOSPITAL NO: 43, RECORD NO: 62, and PATIENT NAME: EUGENIO PICAZO. The 'OPERATION INFORMATION' section contains the following fields:

- Date of Surgery: 2007-10-26
- OR Start: 04 : 50 AM
- OR End: 08 : 00 AM
- Procedure: Calcaneal Osteotomy
- Surgical Assistant: Kabiling C
- Anesthesia Start: 04 : 30 AM
- Anesthesia End: 08 : 00 AM
- Anesthesia Type: Spinal
- Anesthesia Agent: Morcaine
- Anesthesia Assistant: Ancheta C
- MAL: II
- ASA: 2 + E

Buttons for 'save', 'reset', and 'cancel' are located at the top right of the form. Copyright © 2008. UP Manila. All Rights Reserved.

Figure 38. Add/Edit Post Operation Data, POPMS

The screenshot shows the 'RECOVERY ROOM AND MONITORING DETAILS' page in the POPMS system. It features the same header and patient information as Figure 38 (HOSPITAL NO: 33, RECORD NO: 45, PATIENT NAME: MARY ANN LANSANG). The current time is 11:12:08 am. The form is divided into two main sections:

- RR STAY INFORMATION:**
 - Date: 2007-10-26
 - RR Bed: [dropdown]
 - Time In: 11 : 12 AM
- PATIENT MONITORING:**
 - Frequency: Every [dropdown] hrs and 00 mins
 - End Date: 2007-10-28
 - End Time: 11 : 12 AM

'save', 'reset', and 'cancel' buttons are present at the top right. Copyright © 2008. UP Manila. All Rights Reserved.

Figure 39. Add Recovery Room and Monitoring Details, POPMS

Add Recovery Room and Monitoring Details form, depicted in Figure 39 is available to nurses and residents only. The default date and time in is the current

timestamp based on computer date. The monitoring end is fixed to 48 hours after the end of patient's operation.

The form for editing the patient's RR details is shown in Figure 40. The data available for editing is based on the patient's RR status. If the patient is cleared from the RR, the time cleared and the person who cleared the patient from the RR can also be edited. If the patient is already transferred to the unit, the full RR stay information of the patient will be displayed in this page and can be updated. The full RR stay information is shown in Figure 42.



Figure 40. Edit Recovery Room Details, POPMS

Patients in the RR can be cleared by the RR nurses or the residents. Figure 41 shows the page for clearing a patient from RR. The default time cleared is current time and the default name who cleared the patient is the anesthesia assistant. After

clearing from RR, the transfer option will be available. The Transfer Patient from Recovery Room page is shown in Figure 42. The defaults time out is the current time.



Figure 41. Clear Patient from Recovery Room, POPMS

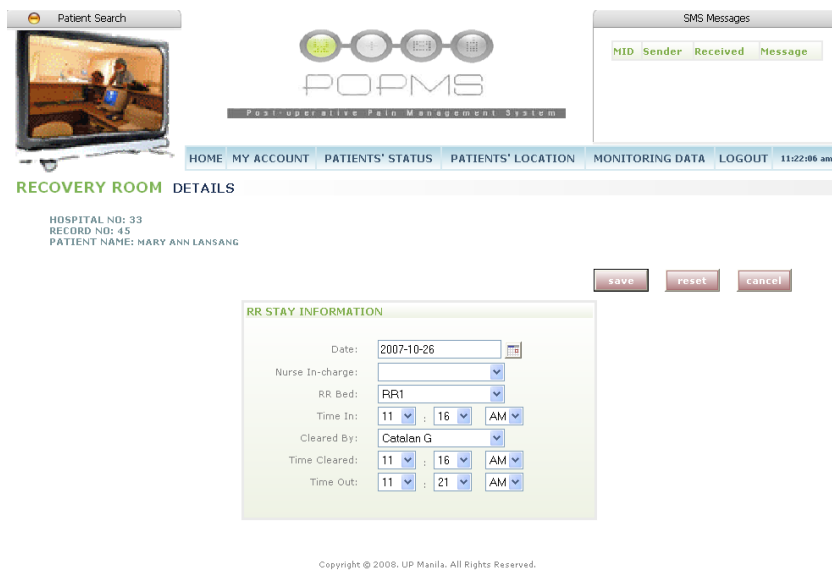


Figure 42. Transfer Patient from Recovery Room, POPMS

Under monitoring patients can be viewed by the nurses and doctors. The page shown in Figure 43 can be accessed using the submenu links of Patient's Location menu in the header. Submenu includes RR link and hospital floors links. Submenu for nurses only shows locations assigned to them. The list can be sorted by management id, patient name, bed number, anesthesiologist name, anesthesia assistant and end

date of monitoring. If the monitoring end date is less than 24 hours, the data displayed under monitoring end will be a countdown from current date to monitoring end date. If the monitoring end date is overdue, the date and time displayed will be in bold font. The records of patients displayed will only be limited to 25 records per page. The previous and next records can be viewed by using the previous or next links. The full lists of complications, medications and pain scores of patients can be viewed by clicking the links corresponding to these data. Users can also stop monitoring the patient using this page.

The screenshot shows the POPMS interface. At the top, there is a 'Patient Search' box and the POPMS logo. Below the logo is a navigation menu with options: HOME, MY ACCOUNT, PATIENTS' STATUS, PATIENTS' LOCATION, MONITORING DATA, LOGOUT, and a clock showing 1:51:04 pm. The main content area is titled 'UNDER MONITORING PATIENTS IN RR'. Below this title is a table with 5 rows of patient data. The table has columns for MID, Patient Name, Bed No, Anesthesiologist, Assistant, Complications, Medications, Pain Score, Monitoring End, and Action. The Pain Score column contains values 7, 0, 0, 7, and 0. The Monitoring End column contains dates and times like 'Oct 28, 9:00 am' and 'Oct 28, 10:00 am'. The Action column contains 'Stop Monitor' for each row. There are also navigation links 'Patients 1-5 of 5 Previous | Next' above and below the table.

MID	Patient Name	Bed No	Anesthesiologist	Assistant	Complications	Medications	Pain Score	Monitoring End	Action
40	PACHECO, Elizabeth	RR2	Ancheta C	None	vomitting	Phenegran(25mg)	7	Oct 28, 9:00 am	Stop Monitor
47	RAMBOYONG, Raul	RR7	Catalan G	Ponciano P			0	Oct 28, 10:00 am	Stop Monitor
46	QUIMPO, Vicente	RR6	Balcueva E	Balcueva S			0	Oct 28, 10:00 am	Stop Monitor
44	PIEDAD, Fernando Basilio	RR4	Banzon J	Acosta D			7	Oct 28, 10:00 am	Stop Monitor
48	RAMOS, Eugenio Jose	RR8	Banzon J	None			0	Oct 28, 10:00 am	Stop Monitor

Figure 43. List of Under Monitoring Patients in a Location, POPMS

For easy monitoring of patients, lists of patients based on important monitoring data are made available. Patients with current pain score greater than 4 will be listed in the In Pain Patients list, as shown in Figure 44. Figures 45 and 46 shows patients with medications and those with unresolved complains, respectively. These lists can be sorted by clicking the tables' header and records are limited to 25 records per page only.

POPMS
Post-operative Pain Management System

HOME MY ACCOUNT PATIENTS' STATUS PATIENTS' LOCATION MONITORING DATA LOGOUT 2:27:34 pm

IN PAIN PATIENTS

Patients 1-10 of 10 Previous | Next

Patient Name	Bed No	Pain Score	Date and Time	Anesthesiologist	Assistant	Action
PACHECO, Elizabeth	RR2	7	Apr 1, 12:22 AM	Ancheta C	None	Edit Medication
PICAZO, Eugenio	N1216	5	Oct 26, 10:00 AM	Catalan G	Ancheta C	Edit Medication
PIEDAD, Fernando Basilio	RR4	7	Oct 26, 10:00 AM	Banzon J	Acosta D	Edit Medication
VILLAFUERTE, Lillian	N1118	6	Oct 26, 9:00 AM	Ancheta C	Rumbaoa V	Edit Medication
SANTEL, Edmundo	N0915	5	Oct 26, 9:00 AM	Catalan G	Rumbaoa V	Edit Medication
SIBULO, Ma. Carla	N1417	7	Oct 26, 9:00 AM	Catalan G	Ponciano P	Edit Medication
ZALDIVAR, Calisto	NPF05B	5	Oct 26, 8:00 AM	Banzon J	Balcueva S	Edit Medication
REYES, Rene	P0501F	5	Oct 26, 7:00 AM	Ancheta C	Balcueva S	Edit Medication
TIANGCO, Beatrice	N0916	6	Oct 26, 6:00 AM	Catalan G	None	Edit Medication
FLORENCIO, Mary Queen	N1418	6	Oct 26, 6:00 AM	Catalan G	Vivar W	Edit Medication

Patients 1-10 of 10 Previous | Next

Copyright © 2008. UP Manila. All Rights Reserved.

Figure 44. Patients in Pain List, POPMS

POPMS
Post-operative Pain Management System

HOME MY ACCOUNT PATIENTS' STATUS PATIENTS' LOCATION MONITORING DATA LOGOUT 2:29:37 pm

MEDICATED PATIENTS

Patients 1-6 of 6 Previous | Next

Patient Name	Bed No	Ordered By	Medication	Dosage	Frequency	Start	Next Intake	Given	Action
MALINAD, Revilyn	P0418AL	Catalan G	Morphine	30 mg	1hrs	Oct 26, 10:30 AM	Oct 26, 11:31 am	1	Edit Stop
REYES, Paciano Baltazar	P0303E	Acosta D	Advil	200mg	4hrs	Oct 26, 8:20 AM	Oct 26, 12:20 pm	1	Edit Stop
PICAZO, Eugenio	N1216	Catalan G	Demerol	50mg	4hrs	Oct 26, 9:00 AM	Oct 26, 1:00 pm	1	Edit Stop
PACHECO, Elizabeth	RR2	Ancheta C	Phenegan	25mg	5hrs	Oct 26, 9:30 AM	00:00:22	1	Edit Stop
ROSALES, Catherine	0601F	Balcueva S	Phenegan	25mg	5hrs	Oct 26, 9:35 AM	00:05:22	1	Edit Stop
REYES, Rene	P0501F	Vivar W	Nubain	10mg	3hrs	Oct 26, 7:00 AM	07:30:22	1	Edit Stop

Patients 1-6 of 6 Previous | Next

Copyright © 2008. UP Manila. All Rights Reserved.

Figure 45. Medicated Patients List, POPMS

POPMS
Post-operative Pain Management System

HOME MY ACCOUNT PATIENTS' STATUS PATIENTS' LOCATION MONITORING DATA LOGOUT 2:31:54 pm

COMPLAINING PATIENTS

Patients 1-5 of 5 Previous | Next

Patient Name	Bed No	Side Effect	Start	Anesthesiologist	Assistant	Action
PICAZO, Eugenio	N1216	vomiting	Oct 26, 12:13 PM	Catalan G	Ancheta C	Edit Medication
MALINAD, Revilyn	P0418AL	headache	Oct 26, 10:32 AM	Catalan G	Rumbaoa V	Edit Medication
ROSALES, Catherine	0601F	vomiting	Oct 26, 9:30 AM	Catalan G	Ponciano P	Edit Medication
PACHECO, Elizabeth	RR2	vomiting	Oct 26, 9:00 AM	Ancheta C	None	Edit Medication
REYES, Paciano Baltazar	P0303E	headache	Oct 26, 8:00 AM	Balcueva E	Vivar W	Edit Medication

Patients 1-5 of 5 Previous | Next

Copyright © 2008. UP Manila. All Rights Reserved.

Figure 46. Complaining Patients List, POPMS

Page for adding and editing of the patient's pain score is shown in Figure 47. When a pain score is to be added, the default date and time is the current timestamp based on computer date. Clicking the patient's name will direct the user to the consultation details of the patient.



Figure 47. Add/Edit Pain Score Details, POPMS

Managing of patient's medication pages are shown in Figures 48 - 50 while managing of patient's side effects are shown in Figures 51 - 53. Carried out medications cannot be edited.



Figure 48. Add Medication Details, POPMS



Figure 49. Edit Medication Details, POPMS



Figure 50. Add Given Medication, POPMS



Figure 51. Add Side Effect Details, POPMS

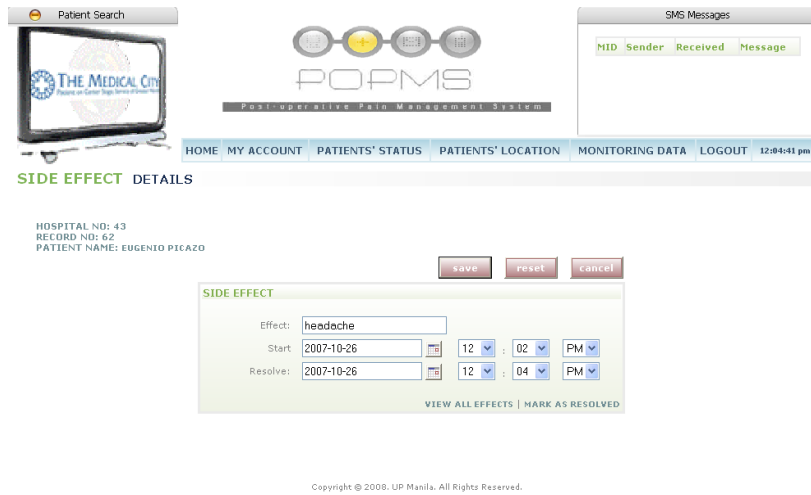


Figure 52. Mark Side Effect as Resolved, POPMS



Figure 53. Edit Side Effect Details, POPMS

Figure 54 depicts the consultation record of a patient. Links available in this page is based on the logged in user's access and to the patient's status.

The screenshot displays the POPMS interface for a patient's consultation record. At the top, there is a navigation bar with links: HOME, MY ACCOUNT, PATIENTS' STATUS, PATIENTS' LOCATION, MONITORING DATA, and LOGOUT. The current time is 12:12:00 pm. The main content area is titled 'PATIENT DETAILS' and includes several sections:

- PATIENT INFORMATION:** Hospital Number: 43, First Name: Eugenio, Middle Name: A., Last Name: Picazo, Bday: Jan 1, 1940, Gender: Male.
- RECORD NO: 62**
- PREOP ASSESSMENT (Oct 26, 2007):** Account: Medicaid, Date of Surgery: Oct 26, 4:30 AM, Procedure: Calcaneal Osteotomy, Age: 59, Weight: 120 lbs, Height: 160 cm, Surgeon: Sih MI, Anesthesiologist: Catalan G, Bed No: N1216, Pre Anesthesia Medication: 1M/Demerol 100mg.
- OPERATION INFORMATION (Oct 26, 2007):** Time of Surgery: 4:50 AM-8:00 AM, Procedure: Calcaneal Osteotomy, Surgery Assist: Kabling C, Time of Anesthesia: 4:30 AM-8:00 AM, Anesthesia: Spinal/Marcaine, Anesthesia Assist: Ancheta C, MAL: II, ASA: 2E.
- RECOVERY ROOM DATA (Oct 26, 2007):** Nurse In-charge: Agno MN, RR Bed: RR3, Time In: 8:00 AM, Cleared By: Rumbaoa V, Time Cleared: 1:18 PM, Time Out: 1:19 PM, Duration: 5hrs, 19mins.
- PAIN SCORES:** NEXT CHECK: 01:45:07, CHECK EVERY: 4HRS. A table shows scores of 5 at 10:00 AM and 0 at 8:00 AM.
- MEDICATIONS:**
 - ACTIVE MEDS:** Demerol 50mg q4hrs ordered by Catalan G, started Oct 26, 9:00 AM, next intake 00:45:07, given 1.
 - PAST MEDS:** Advil 1 tab q2hrs ordered by Catalan G, started Oct 26, 12:03 PM, given 1.
 - CARRIED OUT:**

No	Medication	Dosage	Ordered By	Schedule	Given	Given By
1	Advil	1 tab	Catalan G	Oct 26, 12:03 PM	Oct 26, 12:03 PM	Alfonso C
2	Demerol	50mg	Catalan G	Oct 26, 9:00 AM	Oct 26, 9:00 AM	Alfonso C
 - SIDE EFFECTS:**

Side Effect	Start	Resolved	Action
vomitting	Oct 26, 12:13 PM		Edit Resolved
headache	Oct 26, 12:02 PM	Oct 26, 12:07 PM	Edit

Figure 54. Patient Details, POPMS

Copyright © 2009. UP Manila. All Rights Reserved.

When a user wishes to stop monitoring a patient, a pop-up notification, as shown in Figure 55, will be displayed warning the user about the consequences of stopping the monitoring.

PATIENT DETAILS

PATIENT INFORMATION Edit

Hospital Number: 48
 First Name: Eugenio Jose
 Middle Name: F.
 Last Name: Ramos
 Bday: Jan 1, 1953
 Gender: Male

RECORD NO: 68

PREOP ASSESSMENT Oct 26, 2007

Account: MedServ
 Date of Surgery: Oct 26, 9:30 AM
 Procedure: Calcaneal Osteotomy
 Age: 54
 Weight:
 Height:
 Surgeon: Cajucom JC
 Anesthesiologist: Banzon J
 Bed No: N0716
 Pre Anesthesia Medication:
 SC/Demerol 100mg

OPERATION INFORMATION Edit

Time of Surgery: 9:40 AM-10:00 AM
 Procedure: Capsular Shrinkage
 Surgery Assist: Sta.Ana EA

RECOVERY ROOM DATA Oct 26, 2007

Nurse In-charge:
 RR Bed: RR8
 Time In: 10:00 AM

Microsoft Internet Explorer

Stopping the monitoring of a patient will disable editing of patient's pain scores, side effects and medication details. All notifications about the patient's condition will also stop.
 Are you sure you want stop monitoring Eugenio Jose Ramos?

PAIN SCORES MONITOR UNTIL: Oct 28, 10:00 AM End

NEXT CHECK: 00:57:16
 CHECK EVERY: 4HRS

Date and Time	Score
Oct 26, 2007 10:00 AM	0

MEDICATIONS Add

Copyright © 2008, UP Manila. All Rights Reserved.

Figure 55. End Patient Monitoring, POPMS

Inpatients who already underwent monitoring are displayed in the Inpatients Not Under Monitoring List page, shown in Figure 56. The list can be sorted by patient name, bed number, surgical procedure, anesthesiologist name, surgeon name, anesthesia assistant name, surgical assistant name and OR date and time. The records displayed are limited to 25 records per page only. Clicking the discharge link will redirect the user to the Discharge Details page.

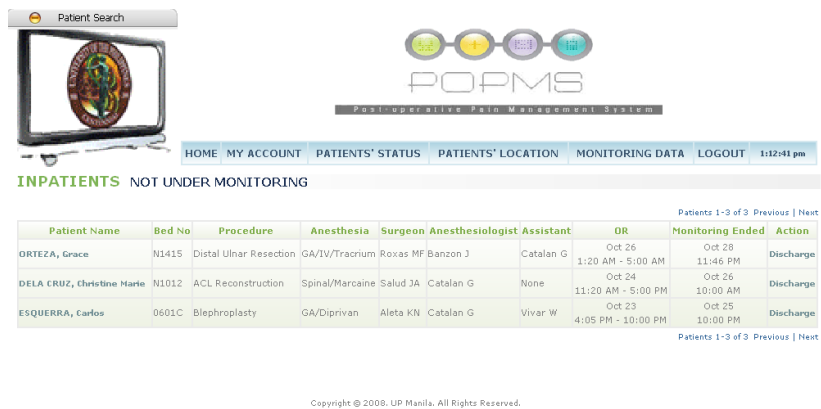


Figure 56. Inpatients Not Under Monitoring List, POPMS

Inpatients not under monitoring can be discharged by the doctors or nurses. Figure 57 shows the Discharge Patient page. After saving the discharge details, a message confirming discharge of patient will pop-up.



Figure 57. Discharge Patient, POPMS

Figure 58 shows the doctors' view of patients' past records. The records can be sorted by patient name, record number, surgical procedure, OR date and time and date discharged. The records displayed are limited to 25 records per page only. Clicking the page name will redirect the user to the Patient Details page.



Patient Name	Record No	Procedure	OR Date	Date Discharged	Discharge Order
OBieta, Yolanda	53	Shoulder Debridement	Oct 26, 2007	Oct 26, 2007	Salud JA
ZABANA, Kathleen Grace	200	Appendectomy	Oct 26, 2007	Oct 26, 2007	FT
OBieta, Yolanda	52	Shoulder Debridement	Oct 24, 2007	Oct 26, 2007	Ancheta C
LU, Ana Luisa	1000	ACL Reconstruction	Oct 18, 2007	Oct 26, 2007	a
PIGAZO, Eugenio	63	Otoplasty	Oct 24, 2007	Oct 26, 2007	Viviar W
CABREIRA, Ma. Teresita	14	Capsular Shrinkage	Oct 2, 2007	Oct 4, 2007	Acosta D
BITANGA, Ester	11	Patellar Tendon Tenolysis	Oct 2, 2007	Oct 2, 2007	Rumbaoa V
BAUTISTA, Albert Hans	6	Blephroplasty	Sep 2, 2007	Sep 8, 2007	Baloueva E
BERBA, Regina	9	Otoplasty	Sep 2, 2007	Sep 7, 2007	Aguas G
BENGZON, Alfredo	7	Meniscus Repair	Sep 2, 2007	Sep 6, 2007	Catalan G
BACAYANA, Allan	5	Appendectomy	Sep 2, 2007	Sep 1, 2007	Ancheta C
ALEJANDRIA, Marissa	4	Distal Ulnar Resection	Aug 2, 2007	Aug 6, 2007	Banzon J
CHENG, Patricia	3	Elbow Ligament Repair	Aug 2, 2007	Aug 5, 2007	Angliongto LJ
AGNO, May	2	Acromioplasty	Aug 2, 2007	Aug 4, 2007	Aleta KN
AGCAOLLI, Ma. Theresa	1	ACL Reconstruction	Aug 2, 2007	Aug 3, 2007	Aldana JP
CABREIRA, Ma. Teresita	13	Hip Arthroscopy	May 9, 2007	May 12, 2007	Acosta D
ESQUERRA, Carlos	22	Appendectomy	Oct 2, 2005	Oct 3, 2005	Esquivel JA
ROXAS, Artemio	82	Patellar Tendon Tenolysis	Feb 27, 2005	Feb 28, 2005	Baloueva E
SANDEJAS, Jonathan	84	Hip Arthroscopy	Oct 4, 2004	Oct 3, 2004	Sih MI
JOSON, Marisa	38	Hip Arthroscopy	Oct 3, 2003	Oct 3, 2003	Coz M
NAVAL, Robert	50	Carpal Tunnel Release	Jun 22, 2003	Jun 21, 2003	Fernandez M
FELICIANO, Raoul	27	Strabismus	Oct 23, 2002	Oct 27, 2002	Ponciano P
GOSE, Mayvelyn	36	Ganglion Excision	Jul 22, 2002	Jul 21, 2002	Meguizo DJ
OLAVERE, Alan Paul	55	Acromioplasty	Nov 27, 2001	Nov 29, 2001	Aguas G
REYES, Rene	78	Meniscus Repair	Oct 29, 2001	Oct 29, 2001	Aguas G

Figure 58. List of Past Patient Records, POPMS

SMS messages window is only available for nurses. Nurses can only see text messages for patients assigned to them. A text message can be viewed by double clicking the message preview in the SMS Message window. A pop-up window will be displayed containing the full details of the patient as shown in Figure 59.

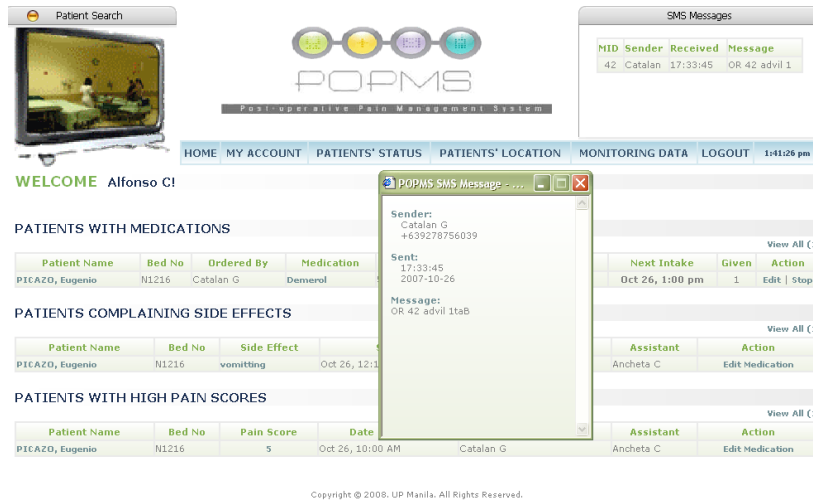




Figure 59. View Text Message, POPMS

The system administrator has the capability to manage users, nurse assignment schedules and hospital location. Administrators can manage the users of the system by going to the pages shown in Figures 60 – 62. The Users List Page gives the list of all the patient of the system. This list can be filtered by using the search options at the top of the page. The list can be sorted by user id, name, type cellphone number or status. The succeeding figures show the interface for adding, editing and deleting a user.

POPMS
Post-operative Pain Management System

HOME MY ACCOUNT USERS ASSIGNMENTS LOCATIONS REPORTS LOGOUT 12:41:45 pm

USERS

SEARCH Type ID Name AND OR



Users 1-25 of 33 Previous | Next

User ID	Name	User Type	Cellphone Number	Status	Action
2	AROD	Resident	+639175511733	Active	Edit
3	Bayot C	System Administrator	None	Active	Edit
4	Bayot SJ	System Administrator	None	Not Active	Edit Delete
5	Banzon J	Anesthesiologist	+639175511733	Active	Edit Delete
6	Ancheta C	Anesthesiologist	+639175511733	Active	Edit Delete
7	Baloueva E	Anesthesiologist	+639175511733	Active	Edit Delete
8	Catalan G	Anesthesiologist	+639278756039	Active	Edit Delete
9	Aguas G	Anesthesiologist	+639175511733	Not Active	Edit Delete
10	Coz M	Anesthesiologist	None	Not Active	Edit Delete
11	Rumbaoa V	Resident	+639175511733	Active	Edit Delete
12	Acosta D	Resident	+639175511733	Active	Edit Delete
13	Vivar W	Resident	+639175511733	Active	Edit Delete
14	Baloueva S	Resident	None	Active	Edit Delete
15	Ponciano P	Resident	None	Active	Edit Delete
16	So R	Resident	+639175511733	Not Active	Edit Delete
17	Fernandez M	Resident	None	Not Active	Edit Delete
18	Agdamag A	Nurse	None	Active	Edit Delete
19	Agno MN	Nurse	None	Active	Edit Delete
20	Alcazaren E	Nurse	None	Active	Edit Delete
21	Aldanese B	Nurse	None	Active	Edit Delete
22	Alfonso C	Nurse	None	Active	Edit Delete
23	Almonte J	Nurse	None	Active	Edit Delete
24	Banatin E	Nurse	None	Active	Edit Delete
25	Bartolome A	Nurse	None	Active	Edit Delete
26	Bautista E	Nurse	None	Active	Edit Delete

Users 1-25 of 33 Previous | Next

Copyright © 2008, UP Manila. All Rights Reserved.

Figure 60. Users List Page, POPMS

POPMS
Post-operative Pain Management System

HOME MY ACCOUNT USERS ASSIGNMENTS LOCATIONS REPORTS LOGOUT 12:45:51 pm

USER ACCOUNT

ACCOUNT INFORMATION

User Type:

Username:

Password:

Re-type Password:

Account Status:

PERSONAL INFORMATION

Name:

Cellular Phone Number:

[DELETE USER](#)

Copyright © 2008, UP Manila. All Rights Reserved.

Figure 61. Add/Edit User Page, POPMS

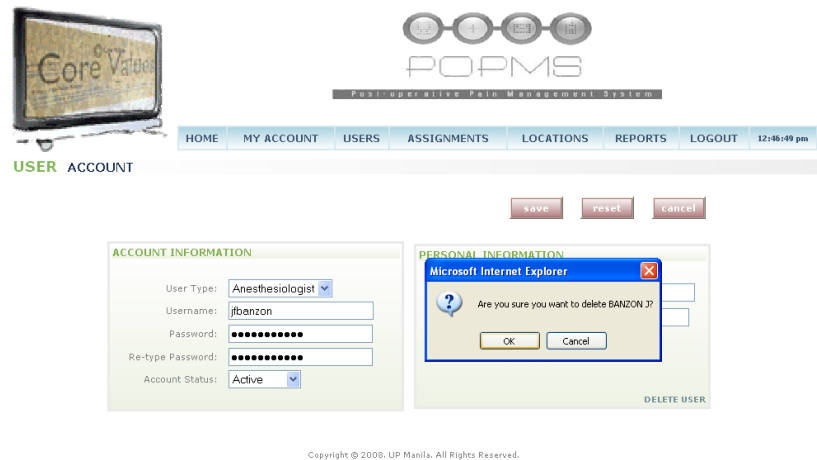




Figure 62. Delete User Page, POPMS

Nurse assignment schedules are set by the system administrator so that nurses will have room assignments in a particular shift period. Figure 63 shows the list of all the schedules. The list can be sorted by date. This page provides links to manage the nurse assignment schedules. Managing of schedules - adding, editing and deleting of schedules can be seen in Figures 64 and 65.

Post-operative Pain Management System

HOME MY ACCOUNT USERS ASSIGNMENTS LOCATIONS REPORTS LOGOUT 12:49:31 pm


SCHEDULES OF NURSE ASSIGNMENTS

ADD SCHEDULE Schedules 1-15 of 39 Previous | Next

Date	Shift Start	Shift End	Nurses	Rooms	Action
Oct 26, 2007	6 AM	2 PM	Bustos N	N0812, N0813, N0814, N0815, N0816, N0817, N0818, N0819, N0820, N0821	Edit Delete
Oct 26, 2007	6 AM	2 PM	Almonte J	P0303, P0304, P0313	Edit Delete
Oct 26, 2007	6 AM	2 PM	Banatin E	P0418A, P0418B, N0427, N0428, N0429, N0430, N0431, N0432, N0444, N0445, N0446, N0448	Edit Delete
Oct 26, 2007	6 AM	2 PM	Bartolome A, Bautista E	P0501, N0507, N0510, N0511, N0512, N0513, N0514, N0515, N0516, N0517, N0518, N0519, N0523, N0536, N0537, N0538, N0539, N0540, N0541, N0553, N0554, N0555, N0557	Edit Delete
Oct 26, 2007	6 AM	2 PM	Bernardo E	O601, O602, O603, O604, O605, O606, O607, O608, O609	Edit Delete
Oct 26, 2007	6 AM	2 PM	Bitanga N	N0712, N0713, N0714, N0715, N0716, N0717, N0718, N0719, N0720, N0721	Edit Delete
Oct 26, 2007	6 AM	2 PM	Aldanese B	NPF01, NPF02, NPF03, NPF04, NPF05, NPF06, NPF07, NPF08, NPF09, NPF12, NPF13, NPF14, NPF15, NPF16, NPF17, NPF18, NPF19, NPF20	Edit Delete
Oct 26, 2007	6 AM	2 PM	Cabalona R	N0912, N0913, N0914, N0915, N0916, N0917, N0918, N0919, N0920, N0921	Edit Delete
Oct 26, 2007	6 AM	2 PM	De Gracia C	N1012, N1013, N1014, N1015, N1016, N1017, N1018, N1019, N1020, N1021	Edit Delete
Oct 26, 2007	6 AM	2 PM	Agdamag A	N1112, N1113, N1114, N1115, N1116, N1117, N1118, N1119, N1120, N1121	Edit Delete
Oct 26, 2007	6 AM	2 PM	Alfonso C	N1212, N1213, N1214, N1215, N1216, N1217, N1218, N1219, N1220, N1221	Edit Delete
Oct 26, 2007	6 AM	2 PM	Agno MN	RR	Edit Delete
Oct 26, 2007	6 AM	2 PM	Coz M	N1412, N1413, N1414, N1415, N1416, N1417, N1418, N1419, N1420, N1421	Edit Delete
Oct 26, 2007	2 PM	10 PM	Banatin E, Bartolome A	P0303, P0304, P0313	Edit Delete
Oct 26, 2007	2 PM	10 PM	Aldanese B	N1412, N1413, N1414, N1415, N1416, N1417, N1418, N1419, N1420, N1421	Edit Delete

Schedules 1-15 of 39 Previous | Next

Copyright © 2008. UP Manila. All Rights Reserved.
Figure 63. Nurse Assignment Schedules List Page, POPMS

Post-operative Pain Management System

HOME MY ACCOUNT USERS ASSIGNMENTS LOCATIONS REPORTS LOGOUT 12:52:32 pm

SCHEDULE DETAILS

save reset cancel

SCHEDULE DELETE SCHEDULE

Date:

Nurse Shift: 10pm to 6am
 6am to 2pm
 2pm to 10pm

NURSES

more

ROOMS

Add All Rooms in Floor:

<input type="text" value="P0501"/>	<input type="text" value="N0507"/>	<input type="text" value="N0510"/>	<input type="text" value="N0511"/>	<input type="text" value="N0512"/>	<input type="text" value="N0513"/>
<input type="text" value="N0514"/>	<input type="text" value="N0515"/>	<input type="text" value="N0516"/>	<input type="text" value="N0517"/>	<input type="text" value="N0518"/>	<input type="text" value="N0519"/>
<input type="text" value="N0523"/>	<input type="text" value="N0536"/>	<input type="text" value="N0537"/>	<input type="text" value="N0538"/>	<input type="text" value="N0539"/>	<input type="text" value="N0540"/>
<input type="text" value="N0541"/>	<input type="text" value="N0553"/>	<input type="text" value="N0554"/>	<input type="text" value="N0555"/>	<input type="text" value="N0557"/>	

more

Copyright © 2008. UP Manila. All Rights Reserved.

Figure 64. Add/Edit Nurse Assignment Schedule Page, POPMS

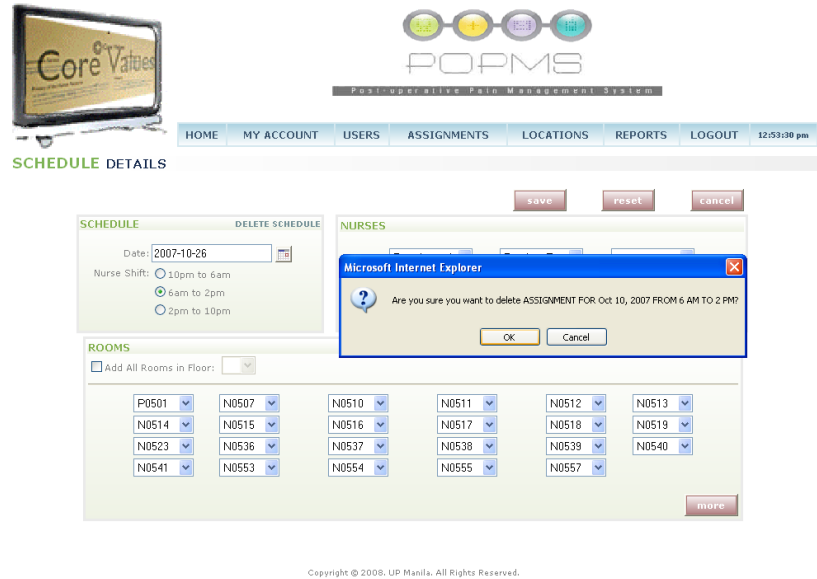




Figure 65. Delete Nurse Assignment Schedule Page, POPMS

The manage locations function gives flexibility to the system. Figures 66 – 76 show the interface provided to user to make managing of hospital locations easier.



Figure 66. Hospital Floors List Page, POPMS

HOME MY ACCOUNT USERS ASSIGNMENTS LOCATIONS REPORTS LOGOUT 12:58:43 pm

ROOMS OF HOSPITAL



ADD ROOM Rooms 1-25 of 137 Previous | Next

Room No	Floor No	No of Beds	Action
0001	6	6	Edit Delete
0002	6	8	Edit Delete
0003	6	8	Edit Delete
0004	6	5	Edit Delete
0005	6	5	Edit Delete
0006	6	8	Edit Delete
0007	6	6	Edit Delete
0008	6	6	Edit Delete
0009	6	2	Edit Delete
N0427	4	1	Edit Delete
N0428	4	1	Edit Delete
N0429	4	1	Edit Delete
N0430	4	1	Edit Delete
N0431	4	1	Edit Delete
N0432	4	1	Edit Delete
N0444	4	1	Edit Delete
N0445	4	1	Edit Delete
N0446	4	1	Edit Delete
N0448	4	1	Edit Delete
N0507	5	1	Edit Delete
N0510	5	1	Edit Delete
N0511	5	1	Edit Delete
N0512	5	1	Edit Delete
N0513	5	1	Edit Delete
N0514	5	1	Edit Delete

Rooms 1-25 of 137 Previous | Next

Copyright © 2008, UP Manila. All Rights Reserved.

Figure 67. Hospital Rooms List Page, POPMS

HOME MY ACCOUNT USERS ASSIGNMENTS LOCATIONS REPORTS LOGOUT 12:57:02 pm

FLOOR 3 ROOMS

ADD ROOM Rooms 1-4 of 4 Previous | Next

Room No	Floor No	No of Beds	Action
P0303	3	6	Edit Delete
P0304	3	6	Edit Delete
P0313	3	10	Edit Delete
RR	3	20	Edit Delete

Rooms 1-4 of 4 Previous | Next

Copyright © 2008, UP Manila. All Rights Reserved.

Figure 68. Hospital Rooms of Floor List Page, POPMS



Figure 69. Add Hospital Room Page, POPMS



Figure 70. Edit Hospital Room Page, POPMS



Copyright © 2008, UP Manila. All Rights Reserved.

Figure 71. Delete Hospital Room Page, POPMS



Bed No	Floor No	Room No	Action
0601A	6	0601	Edit Delete
0601B	6	0601	Edit Delete
0601C	6	0601	Edit Delete
0601D	6	0601	Edit Delete
0601E	6	0601	Edit Delete
0601F	6	0601	Edit Delete
0602A	6	0602	Edit Delete
0602B	6	0602	Edit Delete
0602C	6	0602	Edit Delete
0602D	6	0602	Edit Delete
0602E	6	0602	Edit Delete
0602F	6	0602	Edit Delete
0602G	6	0602	Edit Delete
0602H	6	0602	Edit Delete
0603A	6	0603	Edit Delete
0603B	6	0603	Edit Delete
0603C	6	0603	Edit Delete
0603D	6	0603	Edit Delete
0603E	6	0603	Edit Delete
0603F	6	0603	Edit Delete
0603G	6	0603	Edit Delete
0603H	6	0603	Edit Delete
0603A	6	0603	Edit Delete
0603B	6	0603	Edit Delete
0603C	6	0603	Edit Delete
0603D	6	0603	Edit Delete
0603E	6	0603	Edit Delete
0603F	6	0603	Edit Delete
0603G	6	0603	Edit Delete
0603H	6	0603	Edit Delete
0604A	6	0604	Edit Delete
0604B	6	0604	Edit Delete
0604C	6	0604	Edit Delete
0604D	6	0604	Edit Delete
0604E	6	0604	Edit Delete
0605A	6	0605	Edit Delete
0605B	6	0605	Edit Delete
0605C	6	0605	Edit Delete
0605D	6	0605	Edit Delete
0605E	6	0605	Edit Delete
0606A	6	0606	Edit Delete
0606B	6	0606	Edit Delete
0606C	6	0606	Edit Delete

Figure 72. Hospital Beds List Page, POPMS

Copyright © 2008, UP Manila. All Rights Reserved.

ROOM 0601 BEDS

ADD BED | EDIT ROOM | DELETE ROOM

Bed No	Floor No	Room No	Action
0601A	6	0601	Edit Delete
0601B	6	0601	Edit Delete
0601C	6	0601	Edit Delete
0601D	6	0601	Edit Delete
0601E	6	0601	Edit Delete
0601F	6	0601	Edit Delete

Beds 1-6 of 6 Previous | Next

Copyright © 2008, UP Manila. All Rights Reserved.

Figure 73. Hospital Beds of Room List Page, POPMS

BED DETAILS

save reset cancel

BED DETAILS

Floor No: 6

Room No: 0601

Bed Name:

Copyright © 2008, UP Manila. All Rights Reserved.

Figure 74. Add Hospital Bed Page, POPMS

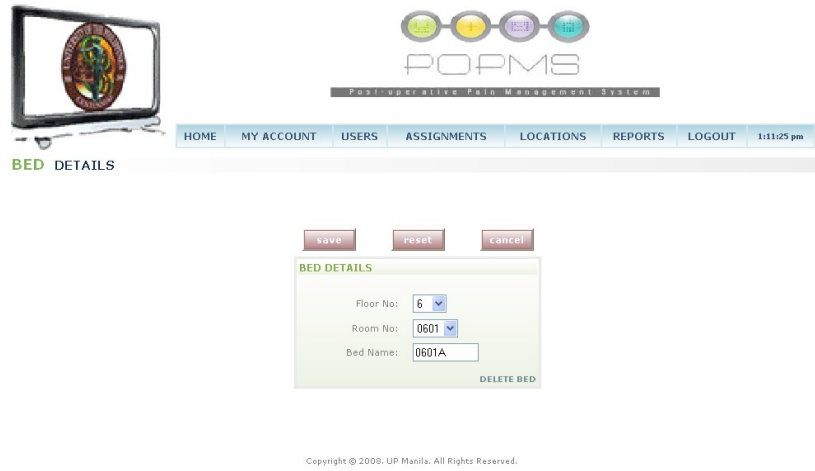


Figure 75. Edit Hospital Bed Page, POPMS

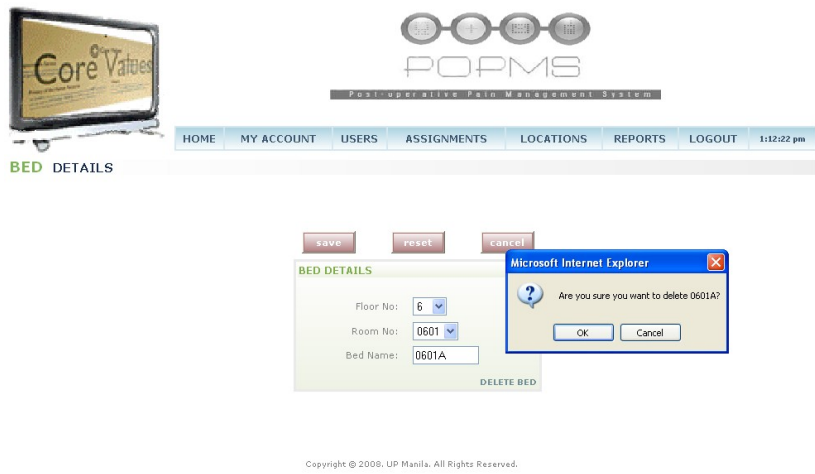


Figure 76. Delete Hospital Bed Page, POPMS

Figures 77 and 78 show the post operation report and RR report respectively. They are arranged to imitate the logbooks of residents and nurses. The reports can be delimited by selecting the start date and end date of the reports. When no date is provided, the system shows all the records in the database. The reports are also available in Microsoft Excel format as shown in Figures 79 and 80. Excel format can be viewed by clicking the Print to Excel format.

POPMS
Postoperative Pain Management System

HOME MY ACCOUNT USERS ASSIGNMENTS LOCATIONS REPORTS LOGOUT 2:05:23 pm

POST OPERATIVE REPORT

Select Range: 1989-02-12 to 2007-10-26

Print to Excel

Date	Hospital No	Bed No	Patient Name	Age	Sex	NAL	ASA	Account	Procedure Done	Surgeon	Surgical Assist	Anesthesiologist	Anesthesia Assist	Anesthesia Type	Anesthesia Agent	Anes Start	Anes End	OR Start	OR End
Oct 26, 2007	37	N0913B	MARTINEZ, Gregorio	56	M			IntelliCare	Patellar Tendon Tenolysis	Ocampo VN		Ancheta C	Ponciano P	GA	Diprivan	01:00 PM	05:00 PM	01:00 PM	05:00 PM
Oct 26, 2007	378	N0516	VITOR, Xanthe	0	F				Shoulder Debridement	Vivar W		Balouvea S	Acosta D	IV	Tracrium	12:00 AM	03:00 PM	12:00 AM	03:00 PM
Oct 26, 2007	31	P0303C	KASALA, Carmela	50	F			Medicaid	Strabismus	Campaña JR		Catalan G		GA	Diprivan	09:00 AM	02:00 PM	10:00 AM	02:00 PM
Oct 26, 2007	200	P0418AM	ZABANAL, Kathleen Grace	24	F	1	1E	Medicaid	Appendectomy	Esquivel JA		Catalan G	Rumbaova V	IM	Demerol	10:00 AM	01:00 PM	11:00 AM	01:00 PM
Oct 26, 2007	33	P0501D	LANSANG, Mary Ann	52	F			IntelliCare	Calcaneal Osteotomy	Desquitado AP		Ancheta C		GA	Diprivan	09:00 AM	11:00 AM	10:00 AM	11:00 AM
Oct 26, 2007	300	P0418AL	MALINAO, Revilyn	13	F			Medicaid	Appendectomy	Canfio LR		Catalan G	Rumbaova V	IM	Demerol	10:00 AM	11:00 AM	10:00 AM	11:00 AM
Oct 26, 2007	44	N1116	PIEDAD, Fernando Basilio	58	M	3	2	MedServ	Strabismus	Torres MA	Victorio C	Banzon J	Acosta D	GA	Tracrium	06:00 AM	10:00 AM	06:00 AM	10:00 AM
Oct 26, 2007	45	N1015	PIEDAD, Francis Luke	57	M	4	2	IntelliCare	Patellar Tendon Tenolysis	Aldana JP		Ancheta C	Vivar W	IV	Diprivan	07:00 AM	10:00 AM	07:00 AM	10:00 AM
Oct 26, 2007	46	N0934	QUIMPO, Vicente	56	M	1	2E		Ganglion Excision	Aleta KN	Gonzales S	Balouvea E	Balouvea S	GA/IV	Tracrium	08:00 AM	10:00 AM	08:00 AM	10:00 AM
Oct 26, 2007	47	N0816	RAMBOYONG, Raul	55	M	1	2E	Medicaid	Hip Arthroscopy	Angilionto LJ	Labina KA	Catalan G	Ponciano P	GA	Diprivan	08:00 AM	10:00 AM	08:00 AM	10:00 AM
Oct 26, 2007	48	N0716	RAMOS, Eugenio Jose	54	M	1	2E	MedServ	Capsular Shrinkage	Cajumom JC	Sta Ana EA	Banzon J		IM	Ketamine	09:00 AM	10:00 AM	09:00 AM	10:00 AM
Oct 26, 2007	49	0601E	RAMOS, Josephine	53	F	2	2E	IntelliCare	Cholecystectomy	Campaña JR	Fuentes M	Ancheta C	Banzon J	IV	Tracrium	09:00 AM	10:00 AM	09:00 AM	10:00 AM
Oct 26, 2007	50	P0501E	REGALA, Eugenio Emmanuel	52	M	2	2E		Carpal Tunnel Release	Canfio LR	Benigno D	Balouvea E	Rumbaova V	Spinal	Marcaine	08:00 AM	10:00 AM	08:00 AM	10:00 AM
Oct 26, 2007	42	NPF04A	PACHECO, Elizabeth	60	F	2	2		Blephroplasty	Salud JA	Villanueva MMVE	Ancheta C		IM	Ketamine	03:00 AM	09:00 AM	03:00 AM	09:00 AM
Oct 26, 2007	54	0601F	ROSALES, Catherine	48	F	3	1		Strabismus	Sih MI	Gonzales S	Catalan G	Ponciano P	IV	Diprivan	02:00 AM	09:00 AM	02:00 AM	09:00 AM
Oct 26, 2007	57	N0915	SANTEL, Edmundo	45	M	1	2	IntelliCare	Cholecystectomy	Aldana JP	Polina CA	Catalan G	Rumbaova V	Spinal	Marcaine	04:00 AM	09:00 AM	04:00 AM	09:00 AM
Oct 26, 2007	58	N1016	SANTEL, Medjadera	44	F	2	2		Carpal Tunnel Release	Aleta KN	Gloria R	Banzon J	Acosta D	GA/IV	Diprivan	04:00 AM	09:00 AM	04:00 AM	09:00 AM
Oct 26, 2007	59	N1117	SAWIT, Simon	43	M	2	2	Medicaid	Shoulder Debridement	Angilionto LJ	Albano AJ	Ancheta C		GA	Tracrium	05:00 AM	09:00 AM	05:00 AM	09:00 AM
Oct 26, 2007	61	N1417	SIBULO, Ma. Carla	41	F	3	1E	IntelliCare	Acromioplasty	Campaña JR	Villanueva MMVE	Catalan G	Ponciano P	GA/IV	Tracrium	06:00 AM	09:00 AM	06:00 AM	09:00 AM
Oct 26, 2007	62	NPF05A	SICAM, Leonardo	40	M	3	2E		Elbow Ligament Repair	Canfio LR	Gaudia KM	Banzon J	Balouvea E	GA	Diprivan	06:00 AM	09:00 AM	06:00 AM	09:00 AM
Oct 26, 2007	63	P0304A	SY, Rosa Allyn	39	F	4	2E	Medicaid	Distal Ulnar Resection	Desquitado AP	Kabling C	Ancheta C		IM	Ketamine	07:00 AM	09:00 AM	07:00 AM	09:00 AM
Oct 26, 2007	64	P0418AH	TAMAYO, Ma. Belen	38	F	1	3	MedServ	Appendectomy	Esquivel JA	Santos MK	Balouvea E	Rumbaova V	IV	Tracrium	07:00 AM	09:00 AM	07:00 AM	09:00 AM
Oct 26, 2007	65	P0501F	TAMESIS, Beaver	37	M	1	3	IntelliCare	Blephroplasty	Meguzo DJ	Victorio C	Catalan G	Acosta D	Spinal	Marcaine	08:00 AM	09:00 AM	08:00 AM	09:00 AM
Oct 26, 2007	43	N1216	PICAZO, Eugenio	59	M	2	2E	Medicaid	Calcaneal Osteotomy	Sih MI	Kabling C	Catalan G	Ancheta C	Spinal	Marcaine	04:00 AM	08:00 AM	04:00 AM	08:00 AM

Copyright © 2008, UP Manila. All Rights Reserved.

Figure 77. Post Operation report, POPMS



Post-operative Pain Management System

HOME MY ACCOUNT USERS ASSIGNMENTS LOCATIONS REPORTS LOGOUT 1:54:40 pm

RECOVERY ROOM REPORT

SELECT RANGE Start Date: 1989-02-13 End Date: 2007-10-27

Records from 1989-02-13 to 2007-10-27.

Print to Excel

Table with columns: Date, Nurse Shift, Bed No, Patient Name, Age, Sex, Time In, Time Out, Stay Duration, Procedure Done, Surgeon, Anesthesiologist, Anesthesia Type, RR, N/C, Time Cleared, Time. Includes patient records for various procedures like Cholecystectomy, Strabismus, etc.

Copyright © 2008. UP Manila. All Rights Reserved.

Figure 70: Recovery Room Report, POPMS

Copyright © 2008. UP Manila. All Rights Reserved.

report - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Add-Ins

Clipboard Font Alignment Number Conditional Formatting Styles Cell Styles Insert Delete Format AutoSum Fill Sort & Find & Filter Select Clear Editing

V1

1 POST OPERATIVE REPORT

2

3 Records from 1989-02-12 to 2007-10-26.

4

Date	Hospital No	Bed No	Patient Name	Age	Sex	MAL	ASA	Account	Procedure Done	Surgeon	Surgical Assist	Anesthesiologist	Anesthesia Assit	Anesthesia Type	Anesthesia Agent
26-Oct-07	37	N0913B	MARTINEZ, Gregorio	56	M			IntelliCare	Patellar Tendon Tenolysis	Ocampo VN		Ancheta C	Ponciano P	GA	Diprivan
26-Oct-07	378	N0516	VITOR, Xanthe	0	F				Shoulder Debridement	Vivar W		Balcueva S	Acosta D	IV	Tracrium
26-Oct-07	31	P0303C	KASALA, Carmela	50	F			Medicaid	Strabismus	Campana JR		Catalan G		GA	Diprivan
26-Oct-07	200	P0418AM	ZABANAL, Kathleen Grace	24	F	1	1E	Medicaid	Appendectomy	Esquivel JA		Catalan G	Rumboa V	IM	Demerol
26-Oct-07	33	P0501D	LANSANG, Mary Ann	52	F			IntelliCare	Calcaneal Osteotomy	Desquitado AP		Ancheta C		GA	Diprivan
26-Oct-07	300	P0418AL	MALINAO, Revilyn	13	F			Medicaid	Appendectomy	Cariño LR		Catalan G	Rumboa V	IM	Demerol
26-Oct-07	44	N1116	PIEDAD, Fernando Basilio	58	M	3	2	MedServ	Strabismus	Torres MA	Victorio C	Banzon J	Acosta D	GA	Tracrium
26-Oct-07	45	N1015	PIEDAD, Francis Luke	57	M	4	2	IntelliCare	Patellar Tendon Tenolysis	Aldana JP		Ancheta C	Vivar W	IV	Diprivan
26-Oct-07	46	N0914	QUIMPO, Vicente	56	M	1	2E		Ganglion Excision	Aleta KN	Gonzales S	Balcueva E	Balcueva S	GA/IV	Tracrium
26-Oct-07	47	N0816	RAMBOYONG, Raul	55	M	1	2E	Medicaid	Hip Arthroscopy	Anglonto LJ	Latina KA	Catalan G	Ponciano P	GA	Diprivan
26-Oct-07	48	N0716	RAMOS, Eugenio Jose	54	M	1	2E	MedServ	Capsular Shrinkage	Cajucum JC	Sta.Ana EA	Banzon J		IM	Ketamine
26-Oct-07	49	O601E	RAMOS, Josephine	53	F	2	2E	IntelliCare	Cholecystectomy	Campana JR	Fuentes M	Ancheta C	Banzon J	IV	Tracrium
26-Oct-07	50	P0501E	REGALA, Eugenio Emmanuel	52	M	2	2E		Carpal Tunnel Release	Cariño LR	Benigno D	Balcueva E	Rumboa V	Spinal	Marcaine
26-Oct-07	42	NPF04A	PACHECO, Elizabeth	60	F	2	2		Blephroplasty	Salud JA	Villanueva MMVB	Ancheta C		IM	Ketamine
26-Oct-07	54	O601F	ROSALES, Catherine	48	F	3	1		Strabismus	Sih MI	Gonzales S	Catalan G	Ponciano P	IV	Diprivan
26-Oct-07	57	N0915	SANIEL, Edmundo	45	M	1	2	IntelliCare	Cholecystectomy	Aldana JP	Molina CA	Catalan G	Rumboa V	Spinal	Marcaine
26-Oct-07	58	N1016	SANIEL, Mediadora	44	F	2	2		Carpal Tunnel Release	Aleta KN	Gloria R	Banzon J	Acosta D	GA/IV	Diprivan
26-Oct-07	59	N1117	SAWIT, Simon	43	M	2	2	Medicaid	Shoulder Debridement	Anglonto LJ	Albano AJ	Ancheta C	Vivar W	GA	Tracrium
26-Oct-07	61	N1417	SIBULO, Ma. Carla	41	F	3	1E	IntelliCare	Acromioplasty	Campana JR	Villanueva MMVB	Catalan G	Ponciano P	GA/IV	Tracrium
26-Oct-07	62	NPF05A	SICAM, Leonardo	40	M	3	2E		Elbow Ligament Repair	Cariño LR	Gaudia KM	Banzon J	Balcueva E	GA	Diprivan
26-Oct-07	63	P0304A	SY, Rosa Allyn	39	F	4	2E	Medicaid	Distal Ulnar Resection	Desquitado AP	Kabiling C	Ancheta C		IM	Ketamine
26-Oct-07	64	P0418AH	TAMAYO, Ma. Belen	38	F	1	3	MedServ	Appendectomy	Esquivel JA	Santos MK	Balcueva E	Rumboa V	IV	Tracrium
26-Oct-07	65	P0501F	TAMESIS, Beaver	37	M	1	3	IntelliCare	Blephroplasty	Meguizo DJ	Victorio C	Catalan G	Acosta D	Spinal	Marcaine
26-Oct-07	43	N1216	PICAZO, Eugenio	59	M	2	2E	Medicaid	Calcaneal Osteotomy	Sih MI	Kabiling C	Catalan G	Ancheta C	Spinal	Marcaine
26-Oct-07	56	N0817	SANDEJAS, Jonathan	46	M	1	2	MedServ	Capsular Shrinkage	Torres MA	Benigno D	Balcueva E		IV	Tracrium
26-Oct-07	60	N1217	SEBASTIÁN, Elizabeth	42	F	2	1E	MedServ	ACL Reconstruction	Cajucum JC	Villavicencio J	Balcueva E	Balcueva S	IV	Diprivan
26-Oct-07	53	P0501F	REYES, Rene	49	M	2	1	IntelliCare	Calcaneal Osteotomy	Cajucum JC	Victorio C	Ancheta C	Balcueva S	GA/IV	Diprivan
26-Oct-07	52	P0303E	REYES, Paciano Baltazar	50	M	1	3E	MedServ	Appendectomy	Ocampo VN	Gaudia KM	Balcueva E	Vivar W	IM	Ketamine

Figure 79. Post Operation Report as Microsoft Excel Document, POPMS

report - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Add-Ins

Clipboard Font Alignment Number Conditional Formatting Styles Cell Styles Insert Delete Format AutoSum Fill Sort & Find & Filter Select Clear Editing

P2

1 RECOVERY ROOM REPORT

2

3 Records from 1989-02-13 to 2007-10-27.

4

Date	Nurse Shift	Bed No	Patient Name	Age	Sex	Time in	Time Out	Stay Duration	Procedure Done	Surgeon	Anesthesiologist	Anesthesia Type
27-Oct-07	6am to 2pm	O601E	RAMOS, Josephine	53	F	10:10 AM	7:10 AM	3 hrs	Cholecystectomy	Campana JR	Ancheta C	IV
27-Oct-07	6am to 2pm	N0516	BESMANO, Jan Aldrin	1	M	8:10 AM	7:10 AM	3 hrs	Strabismus	Aldana JP	Catalan G	GA/IV
26-Oct-07	2pm to 10pm	P0501E	REGALA, Eugenio Emmanuel	52	M	10:10 AM	2:10 PM	4:30 hrs	Carpal Tunnel Release	Cariño LR	Balcueva E	Spinal
26-Oct-07	2pm to 10pm	N1015	PIEDAD, Francis Luke	57	M	10:10 AM	2:10 PM	4:27 hrs	Patellar Tendon Tenolysis	Aldana JP	Ancheta C	IV
26-Oct-07	6am to 2pm	N1216	PICAZO, Eugenio	59	M	8:10 AM	1:10 PM	5:19 hrs	Calcaneal Osteotomy	Sih MI	Catalan G	Spinal
26-Oct-07	6am to 2pm	N0913B	MARTINEZ, Gregorio	56	M	12:10 PM	12:10 PM	0:02 hrs	Patellar Tendon Tenolysis	Ocampo VN	Ancheta C	GA
26-Oct-07	6am to 2pm	P0501D	LANSANG, Mary Ann	52	F	11:10 AM	11:10 AM	0:05 hrs	Calcaneal Osteotomy	Desquitado AP	Ancheta C	GA
26-Oct-07	6am to 2pm	P0418AM	ZABANAL, Kathleen Grace	24	F	10:10 AM	11:10 AM	0:27 hrs	Appendectomy	Esquivel JA	Catalan G	IM
26-Oct-07	6am to 2pm	P0418AL	MALINAO, Revilyn	13	F	10:10 AM	10:10 AM	0:03 hrs	Appendectomy	Cariño LR	Catalan G	IM
26-Oct-07	6am to 2pm	P0303E	REYES, Paciano Baltazar	50	M	6:10 AM	10:10 AM	4 hrs	Appendectomy	Ocampo VN	Balcueva E	IM
26-Oct-07	6am to 2pm	P0501F	REYES, Rene	49	M	7:10 AM	10:10 AM	3 hrs	Calcaneal Osteotomy	Cajucum JC	Ancheta C	GA/IV
26-Oct-07	6am to 2pm	O601F	ROSALES, Catherine	48	F	9:10 AM	10:10 AM	1 hrs	Strabismus	Sih MI	Catalan G	IV
26-Oct-07	6am to 2pm	N0717	ROXAS, Artemio	47	M	6:10 AM	10:10 AM	4 hrs	Ganglion Excision	Campana JR	Banzon J	GA
26-Oct-07	6am to 2pm	N0817	SANDEJAS, Jonathan	46	M	8:10 AM	10:10 AM	2 hrs	Capsular Shrinkage	Torres MA	Balcueva E	IV
26-Oct-07	6am to 2pm	N0915	SANIEL, Edmundo	45	M	9:10 AM	10:10 AM	1 hrs	Cholecystectomy	Aldana JP	Catalan G	Spinal
26-Oct-07	6am to 2pm	N1117	SAWIT, Simon	43	M	9:10 AM	10:10 AM	1 hrs	Shoulder Debridement	Anglonto LJ	Ancheta C	GA
26-Oct-07	6am to 2pm	N1217	SEBASTIÁN, Elizabeth	42	F	8:10 AM	10:10 AM	2 hrs	ACL Reconstruction	Cajucum JC	Balcueva E	IV
26-Oct-07	6am to 2pm	N1417	SIBULO, Ma. Carla	41	F	9:10 AM	10:10 AM	1 hrs	Acromioplasty	Campana JR	Catalan G	GA/IV
26-Oct-07	6am to 2pm	NPF05A	SICAM, Leonardo	40	M	9:10 AM	10:10 AM	1 hrs	Elbow Ligament Repair	Cariño LR	Banzon J	GA
26-Oct-07	6am to 2pm	P0304A	SY, Rosa Allyn	39	F	9:10 AM	10:10 AM	1 hrs	Distal Ulnar Resection	Desquitado AP	Ancheta C	IM
26-Oct-07	6am to 2pm	P0418AH	TAMAYO, Ma. Belen	38	F	9:10 AM	10:10 AM	1 hrs	Appendectomy	Esquivel JA	Balcueva E	IV
26-Oct-07	6am to 2pm	P0501F	TAMESIS, Beaver	37	M	9:10 AM	10:10 AM	1 hrs	Blephroplasty	Meguizo DJ	Catalan G	Spinal
26-Oct-07	10pm to 6am	P0501C	EUSTAQUIO, Salvador	38	M	12:10 AM	4:10 AM	4 hrs	Calcaneal Osteotomy	Anglonto LJ	Ancheta C	IV
26-Oct-07	10pm to 6am	NPF05B	ZALDIVAR, Calixto	28	M	8:10 PM	12:10 AM	4 hrs	Cholecystectomy	Anglonto LJ	Banzon J	GA
25-Oct-07	10pm to 6am	N1418	FLORENCIO, Mary Queen	29	F	7:10 PM	11:10 PM	4 hrs	Capsular Shrinkage	Aleta KN	Catalan G	GA/IV
25-Oct-07	2pm to 10pm	N0916	TIANGCO, Beatrice	33	F	6:10 PM	10:10 PM	4 hrs	Strabismus	Salud JA	Catalan G	GA
25-Oct-07	2pm to 10pm	N1218	VILLANUEVA, Anna Tessa	30	F	6:10 PM	10:10 PM	4 hrs	Hip Arthroscopy	Aldana JP	Balcueva E	Spinal

Figure 80. Recovery Room Report as Microsoft Excel Document, POPMS

Doctors who provided their cellular phone numbers will be able to receive and send SMS messages to and from the system. Figures 81 - 83 shows the sample text messages. Figure 81 shows the error messages that will be send to a valid user once a wrong text format or a query problem occurred. Figure 82 displays the sample of a notification to a doctor when the system is triggered (refer to Figure 25. Flowchart for sending SMS messages, POPMS). Figure 83 shows the sample order message and the accompanying confirmation message automatically sent by the system.

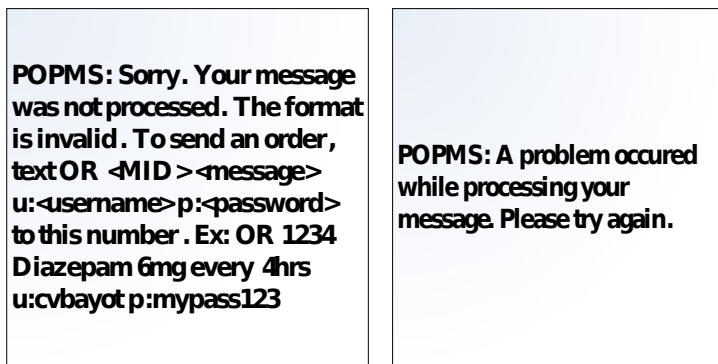


Figure 81. Error Messages, POPMS

<p>POPMS: Eugene Picazo is experiencing a side effect (vomitting). Please reply to this message or edit the medication of the patient . To reply, text OR 42 <message> u:<username>p:<password>. Ex: OR 42 Diazepam 6mg every 4hrs u:cvbayot p:mypass123</p>	<p>POPMS: Eugene Picazo has a pain score of 5. Please reply to this message or edit the medication of the patient . To reply, text OR 42 <message> u:<username>p:<password>. Ex: OR 42 Diazepam 6mg every 4hrs u:cvbayot p:mypass123</p>
---	---

Figure 82. SMS Notification to Doctor, POPMS

<p>OR 1234Diazepam 6mg every 4hrs u:cvbayot p mypass123</p>	<p>POPMS: Your message was received by the system .</p>
--	--

Figure 83. Order Message, POPMS

VI. DISCUSSION

The Post-operative Pain Management System with SMS is a web-based system that allows managing and storing of records of post-operative patients of TMC. It also enables nurses, residents and anesthesiologists of TMC to communicate via SMS. This is an advantage for the patients and medical practitioners in general because it avails the medical practitioners an easier way of storing and retrieving patient records helping them to focus on giving quality care to patients.

The system administrator manages the user accounts, locations in the hospital and nurse assignment schedules. User accounts that are maintained by the administrator include other system administrator, nurse, resident and anesthesiologist accounts. Initially, the system contains 138 rooms and 300 beds. The administrator can update the locations in order to match the current set up of the hospital. Nurse assignment schedules can also be updated to be consistent with the schedules provided by the hospital. The administrator can also view the post-operation and recovery room reports and print those reports in excel format.

POPMS entails access only to registered users of the system. Upon admittance of a patient, a nurse can add a new patient record or the pre-operation assessment of the patient. After the surgery, the RR nurse or the anesthesia assistant is allowed to input the operation data containing the operation procedures and medications. When the patient is transferred to the RR, the RR nurse or the anesthesia assistant is provided the capability to input the initial post-operative data of the patient. The RR nurse can clear the patient from the RR and transfer the patient to the unit. These functions are also available to the residents. Records of patients under monitoring can be updated by the nurses and doctors. Nurses can add and edit the pain scores, medications and side effects of the patients assigned to them. They can also add carried out medications. Residents and anesthesiologists can only update the medications of the patients. During the monitoring period, the nurses,

anesthesiologists, and residents can communicate via SMS. Doctors and nurses can end the monitoring of patients. After the monitoring period, the record of an inpatient can be viewed only by residents and assigned anesthesiologist. They are also the ones who can discharge the patient. When the patient is discharged, editing of the record of the patient will be disabled but it can be viewed by the residents or assigned anesthesiologist. Patient search function is provided to easily find a patient record. Patient records can be searched using the patient's hospital number and/or patient name.

In general, the system's capabilities can be summarized in the following manner: 1) provide a web interface for easily storing and retrieving of a post-operative patients' monitoring record, 2) provide reports about post-operation and recovery room details of patients, 3) allows a registered user to update records of the patients, 4) allows doctors to receive immediate notifications of their patients conditions and to send orders to nurses instantly.

VII. CONCLUSION

The Post-operative Pain Management System with SMS (POPMS) is a web-based system that allows managing and storing of records of post-operative patients of The Medical City and communication of medical practitioners and patients via SMS. The storage, retrieval and processing of data is more convenient and efficient using the system.

Electronic communication is an advantage for the hospital in general. It helps doctors to respond immediately to their patients' needs giving patients' satisfaction. The electronic registry of the post-operative patients allows easy monitoring of patients. The records of the patients' personal information, their operations, given interventions, effect of interventions and pain management, are accessed easily.

The reports of the resident's and nurse's RR logbooks can be viewed and printed to offer an alternative for their corresponding logbooks. The system allows faster and more efficient way of transmitting information that can help improve quality of care for patients.

VIII. RECOMMENDATION

POPMS only considers patients who underwent operation with anesthesia in the surgery suite of the 3rd floor of The Medical City. Though it caters service to most of the patients of the hospital, it would be better if all the patients will be considered by the system.

Also, only anesthetic concerns are considered by the system. It would more beneficial if all the concerns of the post-operative patient will be considered.

Lastly, charging of text messages is not considered by the system. It would be beneficial if the message charging will be included in the hospital bill so that load deficiency will not be a problem. This will also help so that doctors will not hesitate to use the system.

IX. BIBLIOGRAPHY

1. *Your Resource for Exploring Perspectives in Postoperative Pain*. Retrieved September 23, 2007, COMPASS web site: www.postoppain.com

2. Interview, Dr. Ethel Mendoza, Anesthesiology Department, The Medical City
3. Strum David P, Vargas Luis G. *Computer-based surgical services management system*. <http://www.freepatentsonline.com/5842173.html>
4. Menke J, Broner C, Campbell D, McKissick M, Edwards-Beckett J. (September 2001). *Computerized clinical documentation system in the pediatric intensive care unit*. BMC Medical Informatics and Decision Making 2001, 1:3
<http://www.biomedcentral.com/1472-6947/1/3>
5. Shabot Michael M, LoBue Mark, Chen Jeannie. *Wireless Clinical Alerts for Physiologic, Laboratory and Medication Data*. Proc AMIA Symposium 2000, 789-93 <http://www.amia.org/pubs/symposia/D200576.PDF>
6. Chen J, Shabot M, LoBueM. *Real Time Interface Between a Computerized Physician Order Entry System and the Computerized ICU Medication Administration Record*. AMIA Annu Symp Proc. 2003; 2003: 810
<http://www.pubmedcentral.nih.gov/picrender.fcgi?artid=1480127&blobtype=pdf>
7. United States Department of Veterans Affairs. *Veterans Health Information Systems and Technology Architecture (VISTA)*.
http://www.va.gov/vista_monograph/
8. United States Department of Veterans Affairs. *VA VistA Innovations Award*.
<http://www.innovations.va.gov/innovations/page.cfm?pg=11>
9. United States Department of Veterans Affairs. *Computerized Patient Record System (CPRS)*.
http://www1.va.gov/vha_oi/docs/Computerized_Patient_Record_System.pdf
10. Dexter Paul R, Perkins Susan, Overhage J Marc, Maharry Kati, et al. (September 2001). *A Computerized Reminder System to Increase the Use of Preventive Care for Hospitalized Patients*. N Engl J Med 2001, 345: 965-970.
<http://content.nejm.org/cgi/reprint/345/13/965.pdf>
11. Chen Hsiao-Ting, Ma Wan-Chun, Liou Der-Ming. *Design and Implementation of a Real-Time Clinical Alerting System for Intensive Care Unit*. Proc AMIA Symposium 2002,
<http://citeseer.ist.psu.edu/cache/papers/cs/26032/http:zSzzSzwww.cmlab.csie.ntu.edu.twzSz~firebirdzSzdownloadzSzAMIA2002.pdf/chen02design.pdf>
12. Dawson Linda, Fisher Julie, Heslop Liza. *Investigating The Potential Improvement of Patient Management Systems In Hospital Ward Settings Using Mobile, Wireless Technologies*.
http://www.mgovernment.org/resurces/euromgov2005/PDF/13_S037DL-S08.pdf

13. Seckman Charlotte A, Romano Carol A, Marden Sue. *Evaluation of Clinical Response To Wireless Technology*.
<http://adams.mgh.harvard.edu/pdf/repository/D010001043/>
14. Silva Salim, Smith WT, Bammer G. (July, 2001). *Telephone reminders are a cost effective way to improve responses in postal health surveys*. J Epidemiol Community Health 2002;56:115-118,
<http://jech.bmj.com/cgi/content/full/56/2/115>
15. The Medical City (TMC). <http://www.themedicalcity.com/>
16. Sittig D, Hazlehurst B, Palen T, Hsu J, Jimison H, Hornbrook M. *A Clinical Information System Research Landscape*. The Permanente Journal 2002, Vol.6 No.2. <http://xnet.kp.org/permanentejournal/spring02/Spring02.pdf>
17. *Clinical Information System*. Retrieved August 8, 2007, from IBM Corporation. Website: <http://researchweb.watson.ibm.com/hc/CIS/cis.html>
18. Wikipedia. *Short message service*.
http://en.wikipedia.org/wiki/Short_message_service
19. *What is SMS?*. http://www.funsms.net/what_is_sms.htm
20. GAMMU. http://www.gammu.org/wiki/index.php?title=Gammu:Main_Page
21. Čihař M. *Gammu - Stable branch*. <http://freshmeat.net/projects/gammu>
22. *Task Scheduler*. Retrieved September 20, 2007, from Microsoft Developer Network . Website: <http://msdn2.microsoft.com/en-us/library/aa383614.aspx>
23. VisualCron. <http://www.visualcron.com/>
24. Answers.com™ <http://www.answers.com/>
25. *What is Client-Server Architecture?*. <http://www.wisegeek.com/what-is-client-server-architecture.htm>

X. APPENDIX

- A. Pre Anesthesia Assessment Record
- B. Intra Operation Form
- C. Post Anesthesia Care Unit Record

- D. Sample Post Operative Report Logbook
- E. Sample Recovery Room Report Logbook
- F. Source Code




PRE ANAESTHESIA ASSESSMENT RECORD	UNIT	ROOM#	BED

DATE OF SURGERY: _____ PROCEDURE: _____

ALLERGIES: _____

AGE: _____ WT: _____ HT: _____ PREV. ANESTH: No Yes TYPE: _____

ANESTHETIC PROBLEMS: _____

HAVE YOU HAD OR STILL HAVE:		Y	N	AIRWAY ASSESSMENT:	PERTINENT LABORATORY:
High Blood Pressure:				Neck:	Hb/Hct Plat
M.I. : DATE: _____				Mouth Opening:	PT
Chest Pain, Angina :				Teeth Condition:	ECG
Murmur :				Loose	CXR
Arrhythmia :				Dentures	Others:
Asthma :				Bridge / Caps	
Bronchitis :				Mallampati I II III IV	
C.O.P.D. / Emphysema :				PHYSICAL EXAMINATION: BP _____ HR _____ RR _____ T _____	
Recent Cold :				Heart:	Neuro: 
Rhinitis / Postnatal Drip :				Lung:	
Sleep Apnea :				Others:	
Back / Disc Disease :				MEDICATIONS:	
Paresthesia / Numbness :				() ASA	
Spine Deformity / Scoliosis :				() MAOI	
Seizures / Convulsions :				() Herbal	
C.V.A. :				ASA	NPO at:
T.I.A. :				Goldmann's	GCS
Endocrine - Diabetes / Thyroid :				COMMENTS:	
Bleeding Problems :				Risks, complications, and options of anaesthesia explained to patient.	
Obesity :				Patient is agreeable to	
Obstetrical : Pregnant :				<input type="checkbox"/> GA / RA	
G.I. : Peptic Ulcer, etc. :				<input type="checkbox"/> Others	
Renal System :				Name: _____	
Jaundice, Hepatitis :				Hospital No.: _____	
				Date: _____	
				ANESTHESIA PLAN:	
PREANESTHESIA MEDICATION:				Signature over Printed Name	Date & Time

Appendix A Pre Anesthesia Assessment Record

Name: _____ Age: _____ Sex: M F ID No: _____ Date: _____

Surgeon: _____ Anesthesiologist: _____

Procedure(s): _____

TIME Started _____ Ended _____

ANESTHETIC TECHNIQUE
 GA: Pre-O₂ Circul Press
 Induction _____
 Maintenance _____
 Ms. relaxed _____

ANESTHETIC TECHNIQUE
 SAB PNB
 CEA CTEA
 LEA Others _____

MONITORS AND EQUIPMENTS
 Esophageal _____
 Precentral _____
 Art Line _____
 CVP _____
 PA Line _____
 TEE _____
 NGT/OST _____
 Urthral cath _____
 Stethoscope _____
 NIBP _____
 ECG _____
 Pulse Oximeter _____
 Capnograph _____
 Temperature _____
 Oxygen Monitor _____
 Ventrals _____
 Neurostimulator _____
 Venoclysis 1 _____
 Venoclysis 2 _____
 Gauge _____
 gauge _____

PRE-PROCEDURE
 Yes No
 Chart reviewed _____
 NPO since _____
 Pre-anesthetic state:
 Awake Lethargic
 Calm Anxious
 Uncooperative _____
 Unresponsive _____
 GCS _____
 Anesthesia Machine Checked: _____
 Pressure points checked _____
 Eye care _____

AIRWAY MANAGEMENT
 ETT Direct vision
 Oral Oral
 Mask Mask
 LMA size _____
 Airways _____
 Altracast _____
 Circuit _____
 Blade _____
 Awake Y _____ N _____

EXTUBATION
 Deep _____
 Awake _____

MONITORED CARE
 Local _____
 Sedation _____

OB Anesthesia
 Time of Delivery _____
 Male Female
 Apgar _____ / _____
 Placenta Out _____

REMARKS

CARDIAC ANESTHESIA
 BASELINE ACT _____
 HEPARIN _____
 POST-HEPARIN ACT _____
 CPB _____
 PROTAMINE _____
 POST-PROT-ACT _____

DOSE TIME
 ON _____
 OFF _____
 DOSE TIME _____

DRUGS/INFUSIONS

220	
210	
200	
190	
180	
170	
160	
150	
140	
130	
120	
110	
100	
90	
80	
70	
60	
50	
40	
30	
20	
10	
0	

EVENTS
 ECG _____
 SpO₂ _____ %
 EtCO₂ _____ mmHg
 IV Fluids _____ ml

Signature over Printed Name: _____ Resident In-Charge _____ Consultant _____

Appendix B Intra Operation Form

POST ANESTHESIA CARE UNIT RECORD									
Surgeon _____			Procedure: _____			Date: _____			
Anesthesiologist _____			Anesthesia Given: _____						
MONITORING					TYPE OF ANESTHESIA				
O ₂					<input type="checkbox"/> IPPV		<input type="checkbox"/> SPINAL		
IVF					<input type="checkbox"/> SR/LM		<input type="checkbox"/> EPIDURAL		
Bld					<input type="checkbox"/> OTHERS				
ECG					ON ARRIVAL				
SpO ₂					CONDITION OF PATIENT				
EtCO ₂					<input type="checkbox"/> COMFORTABLE	<input type="checkbox"/> RESTLESS	<input type="checkbox"/> OTHERS		
					<input type="checkbox"/> IN PAIN	<input type="checkbox"/> SHIVERING			
VITAL SIGNS					AIRWAY				
					<input type="checkbox"/> CLEAR	<input type="checkbox"/> NOISY BREATHING	<input type="checkbox"/> APNEA		
240					ARTIFICIAL AIRWAY				
230					<input type="checkbox"/> ORAL/NASAL REMOVED AT _____ HRS.				
220					<input type="checkbox"/> LARYNGEAL MASK REMOVED AT _____ HRS.				
210					<input type="checkbox"/> TRACHEOSTOMY IN-SITU				
200					<input type="checkbox"/> ENDOTRACHEAL TUBE IN PLACE				
190					EXTUBATED BY DR _____ AT _____ TIME _____ HRS.				
180					POSITION				
170					<input type="checkbox"/> PROPPED UP	<input type="checkbox"/> RIGHT LATERAL			
160					<input type="checkbox"/> SUPINE	<input type="checkbox"/> LEFT LATERAL			
150					<input type="checkbox"/> OTHERS _____				
140					WOUND SITE				
130					<input type="checkbox"/> DRY/INTACT				
120					<input type="checkbox"/> MINIMAL BLEEDING				
110					<input type="checkbox"/> ACTIVE BLEEDING				
100					<input type="checkbox"/> PRESSURE DRESSING, SPECIFY: _____				
90					EPIDURAL LINE <input type="checkbox"/> IN - SITU <input type="checkbox"/> REMOVED				
80					ARTERIAL LINE <input type="checkbox"/> IN - SITU <input type="checkbox"/> REMOVED				
70					CVP LINE <input type="checkbox"/> IN - SITU <input type="checkbox"/> REMOVED				
60					ACUTE PAIN SERVICE				
50					<input type="checkbox"/> PCA - EPID	<input type="checkbox"/> PCA - IV	<input type="checkbox"/> EPIDURAL		
40					SEDATION SCORE				
30					0 = ALERT				
20					1 = DROWSY, RESPONDS TO VOICE				
10					2 = FREQ. DROWSY, RESPONDS ONLY TO PAIN				
0					3 = UNAROUSABLE				
UO					POST ANESTHESIA RECOVERY SCORE				
NGT					ACTIVITY				
Drain					Able to move 4 ext voluntarily or on command				2
					Able to move 2 ext voluntarily or on command				1
					Able to move 0 ext voluntarily or on command				0
					RESPIRATION				
10					Able to do deep breathing and coughs freely				2
8					Dyspneic or limited breathing				1
6					Apneic				0
4					CIRCULATION				
2					BP < 20% pre-anes level				2
0					BP 20-50% pre-anes level				1
					BP > 50% pre-anes level				0
					CONSCIOUSNESS				
					Fully awake				2
					Arousable on calling				1
					Not responding				0
					Pink				2
					Pale, dusky, jaundiced, mottled				1
					Cyanotic				0
					TOTAL				
					SCORING INTERPRETATION				
					A minimum total score of 8 is required for discharge. Exceptions to this are to be explained in the space provided below by the discharging				
NOTES :									
Evaluated By : _____					Discharged By : _____				

Appendix C Post Anesthesia Care Unit Record

Date	Hospital No	Room	Name of Patient	Age	Sex	MAL	ASA	Account	Procedure Done	Surgeon	Surgical Assis	Anesthesiologist	Anesthesia Assis	Type of Anesthesia	Type of Anesthesia	Anesthetic Agents	Anes Start	Anes End	OR Start	OR End		

Appendix D Sample Post Operative Report Logbook

SOURCE CODE

DUMPING SCHEMAS

POPMS Database

```
/*
SQLyog Community Edition- MySQL GUI v6.15
MySQL - 5.0.27-community-nt : Database - popms
*****
*/

/*!40101 SET NAMES utf8 */;
/*!40101 SET SQL_MODE=""*/;

create database if not exists `popms`;

USE `popms`;

/*!40014 SET
@OLD_FOREIGN_KEY_CHECKS=@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@SQL_MODE,
SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;

/*Table structure for table `anurse` */
DROP TABLE IF EXISTS `anurse`;
CREATE TABLE `anurse` (
  `asid_fk` int(5) NOT NULL,
  `nid_fk` int(4) NOT NULL,
  KEY `asid_fk` (`asid_fk`),
  KEY `nid_fk` (`nid_fk`),
  CONSTRAINT `anurse_ibfk_1` FOREIGN KEY (`asid_fk`) REFERENCES
`assign` (`asid_pk`),
  CONSTRAINT `anurse_ibfk_2` FOREIGN KEY (`nid_fk`) REFERENCES
`user` (`uid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `aroom` */
DROP TABLE IF EXISTS `aroom`;
CREATE TABLE `aroom` (
  `asid_fk` int(5) NOT NULL,
  `rid_fk` int(3) NOT NULL,
  KEY `asid_fk` (`asid_fk`),
  KEY `rid_fk` (`rid_fk`),
  CONSTRAINT `aroom_ibfk_1` FOREIGN KEY (`asid_fk`) REFERENCES
`assign` (`asid_pk`),
  CONSTRAINT `aroom_ibfk_2` FOREIGN KEY (`rid_fk`) REFERENCES
`room` (`rid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `assign` */
DROP TABLE IF EXISTS `assign`;
CREATE TABLE `assign` (
  `asid_pk` int(5) NOT NULL,
  `adate` date NOT NULL,
  `stime` time NOT NULL,
  `etime` time NOT NULL,
  PRIMARY KEY (`asid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `bed` */
DROP TABLE IF EXISTS `bed`;
CREATE TABLE `bed` (
  `bid_pk` int(4) NOT NULL,
  `rid_fk` int(3) NOT NULL,
  `bnum` varchar(8) NOT NULL,
  `bstatus` tinyint(1) NOT NULL default '0',
  PRIMARY KEY (`bid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `carryout` */
DROP TABLE IF EXISTS `carryout`;
CREATE TABLE `carryout` (
  `coid_pk` int(10) NOT NULL,
  `nid_fk` int(4) NOT NULL,
  `oid_fk` int(4) NOT NULL,
  `medid_fk` int(10) NOT NULL,
  `med_name` varchar(25) NOT NULL,
  `med_dose` text NOT NULL,
  `sched_dt` timestamp NOT NULL default '0000-00-00 00:00:00',
  `given_dt` timestamp NOT NULL default '0000-00-00 00:00:00',
  PRIMARY KEY (`coid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `consultation` */
DROP TABLE IF EXISTS `consultation`;
CREATE TABLE `consultation` (
  `cid_pk` int(8) NOT NULL,
  `pid_fk` int(6) NOT NULL,
  `bid_fk` int(4) NOT NULL,
  `cdate` date NOT NULL,
  `account` varchar(20) default NULL,
  `age` int(3) NOT NULL,
  `dc_order` varchar(40) default NULL,
  `dc_dt` timestamp NULL default '0000-00-00 00:00:00',
  PRIMARY KEY (`cid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `floor` */
DROP TABLE IF EXISTS `floor`;
CREATE TABLE `floor` (
  `fno_pk` int(2) NOT NULL,
  PRIMARY KEY (`fno_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `inbox` */
DROP TABLE IF EXISTS `inbox`;
CREATE TABLE `inbox` (
  `iid_pk` int(10) NOT NULL auto_increment,
  `mid_fk` int(8) NOT NULL,
  `sid_fk` varchar(13) NOT NULL,
  `received_dt` timestamp NOT NULL default CURRENT_TIMESTAMP,
  `read_dt` timestamp NULL default '0000-00-00 00:00:00',
  `content` blob NOT NULL,
  PRIMARY KEY (`iid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `management` */
DROP TABLE IF EXISTS `management`;
CREATE TABLE `management` (
  `mid_pk` int(8) NOT NULL,
  `cid_fk` int(8) NOT NULL,
  `check_freq` time NOT NULL,
  `end_dt` timestamp NOT NULL default CURRENT_TIMESTAMP on
update CURRENT_TIMESTAMP,
  `mactive` tinyint(1) NOT NULL,
  PRIMARY KEY (`mid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `medication` */
DROP TABLE IF EXISTS `medication`;
CREATE TABLE `medication` (
  `medid_pk` int(10) NOT NULL,
  `mid_fk` int(8) NOT NULL,
  `oid_fk` int(4) NOT NULL,
  `med_name` varchar(25) NOT NULL default '',
  `med_dose` text NOT NULL,
  `med_freq` time NOT NULL,
  `med_start` timestamp NOT NULL default CURRENT_TIMESTAMP,
  `med_end` tinyint(1) NOT NULL default '0',
  PRIMARY KEY (`medid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `pain` */
DROP TABLE IF EXISTS `pain`;
CREATE TABLE `pain` (
  `paid_pk` int(10) NOT NULL,
  `mid_fk` int(8) NOT NULL,
  `score` int(2) NOT NULL,
  `pain_dt` timestamp NOT NULL default CURRENT_TIMESTAMP on
update CURRENT_TIMESTAMP,
  PRIMARY KEY (`paid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `patient` */
DROP TABLE IF EXISTS `patient`;
CREATE TABLE `patient` (
  `pid_pk` int(6) NOT NULL,
  `fname` varchar(20) NOT NULL,
  `mname` varchar(20) default NULL,
  `lname` varchar(20) NOT NULL,
  `bday` date NOT NULL,
  `gender` char(1) NOT NULL,
  PRIMARY KEY (`pid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `postop` */
DROP TABLE IF EXISTS `postop`;
CREATE TABLE `postop` (
  `poid_pk` int(8) NOT NULL,
  `cid_fk` int(8) NOT NULL,
  `aassist_fk` int(4) default '0',
  `ordate` date NOT NULL,
  `sassist` text,
  `sproc` text NOT NULL,
```



```

`mal` char(1) default "",
`asa` varchar(2) default "",
`anestype` text NOT NULL,
`anesagent` varchar(50) NOT NULL,
`or_st` time NOT NULL,
`or_et` time NOT NULL,
`anes_st` time NOT NULL,
`anes_et` time NOT NULL,
PRIMARY KEY (`poid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `preop` */
DROP TABLE IF EXISTS `preop`;
CREATE TABLE `preop` (
  `prid_pk` int(8) NOT NULL,
  `cid_fk` int(8) NOT NULL,
  `aid_fk` int(4) NOT NULL,
  `prdate` date NOT NULL,
  `weight` int(3) default NULL,
  `height` int(3) default NULL,
  `or_dt` timestamp NOT NULL default '0000-00-00 00:00:00',
  `surgeon` text NOT NULL,
  `premed` text,
  `sched_proc` text NOT NULL,
  PRIMARY KEY (`prid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `room` */
DROP TABLE IF EXISTS `room`;
CREATE TABLE `room` (
  `rid_pk` int(3) NOT NULL,
  `fno_fk` int(2) NOT NULL,
  `rnum` varchar(6) NOT NULL,
  `rstatus` tinyint(1) NOT NULL default '0',
  PRIMARY KEY (`rid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `rr` */
DROP TABLE IF EXISTS `rr`;
CREATE TABLE `rr` (
  `rrid_pk` int(8) NOT NULL,
  `mid_fk` int(8) NOT NULL,
  `nid_fk` int(4) default NULL,
  `clearid_fk` int(4) default NULL,
  `bid_fk` int(4) NOT NULL,
  `clear_dt` timestamp NULL default '0000-00-00 00:00:00',
  `in_dt` timestamp NOT NULL default CURRENT_TIMESTAMP,
  `out_dt` timestamp NULL default '0000-00-00 00:00:00',
  `duration` time default '00:00:00',
  PRIMARY KEY (`rrid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `sidefx` */
DROP TABLE IF EXISTS `sidefx`;
CREATE TABLE `sidefx` (
  `sfid_pk` int(10) NOT NULL,
  `mid_fk` int(8) NOT NULL,
  `sfname` varchar(20) NOT NULL,
  `sfstart` timestamp NOT NULL default CURRENT_TIMESTAMP,
  `sfend` timestamp NULL default '0000-00-00 00:00:00',
  PRIMARY KEY (`sfid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*Table structure for table `user` */
DROP TABLE IF EXISTS `user`;
CREATE TABLE `user` (
  `uid_pk` int(4) NOT NULL,
  `usrnme` varchar(25) NOT NULL,
  `password` varchar(25) NOT NULL,
  `usr_name` varchar(40) NOT NULL,
  `celno` varchar(13) default NULL,
  `usr_type` char(1) NOT NULL,
  `ustatus` tinyint(1) NOT NULL,
  PRIMARY KEY (`uid_pk`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE *;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS *;

SMMSD Database
-----
/*
SQLyog Community Edition- MySQL GUI v6.15
MySQL - 5.0.27-community-nt : Database - smsd
*****
*/

/*!40101 SET NAMES utf8 *;
/*!40101 SET SQL_MODE="";

create database if not exists `smsd`;

USE `smsd`;

/*!40014 SET
@OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0 *;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='NO_AUTO_VALUE_ON_ZERO' *;

/*Table structure for table `daemons` */
DROP TABLE IF EXISTS `daemons`;
CREATE TABLE `daemons` (
  `Start` text NOT NULL,
  `Info` text NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=utf8;
/*Data for the table `daemons` */
insert into `daemons` (`Start`,`Info`) values ('0','newmsg');

/*Table structure for table `gammu` */
DROP TABLE IF EXISTS `gammu`;
CREATE TABLE `gammu` (
  `Version` tinyint(4) NOT NULL default '0'
) ENGINE=MyISAM DEFAULT CHARSET=utf8;
/*Data for the table `gammu` */
insert into `gammu` (`Version`) values (7);

/*Table structure for table `inbox` */
DROP TABLE IF EXISTS `inbox`;
CREATE TABLE `inbox` (
  `UpdatedInDB` timestamp NOT NULL default CURRENT_TIMESTAMP
on update CURRENT_TIMESTAMP,
  `ReceivingDateTime` timestamp NOT NULL default '0000-00-00
00:00:00',
  `Text` text NOT NULL,
  `SenderNumber` varchar(20) NOT NULL default "",
  `Coding`
enum('Default_No_Compression','Unicode_No_Compression','8bit','Defa
ult_Compression','Unicode_Compression') NOT NULL default '8bit',
  `UDH` text NOT NULL,
  `SMSCNumber` varchar(20) NOT NULL default "",
  `Class` int(11) NOT NULL default '-1',
  `TextDecoded` varchar(160) NOT NULL default "",
  `ID` int(11) unsigned NOT NULL auto_increment,
  `RecipientID` text NOT NULL,
  `Processed` enum('false','true') NOT NULL default 'false',
  UNIQUE KEY `ID` (`ID`),
  KEY `Processed` (`Processed`)
) ENGINE=MyISAM AUTO_INCREMENT=88 DEFAULT CHARSET=utf8;

/*Trigger structure for table `inbox` */
DELIMITER $$
/*!50003 DROP TRIGGER /*!50032 IF EXISTS /*!50003 `received` */$
$
/*!50003 CREATE TRIGGER `received` AFTER INSERT ON `inbox` FOR
EACH ROW BEGIN
UPDATE daemons SET Start = '1' WHERE Info='newmsg';
END */$$
DELIMITER ;

/*Table structure for table `outbox` */
DROP TABLE IF EXISTS `outbox`;
CREATE TABLE `outbox` (
  `UpdatedInDB` timestamp NOT NULL default CURRENT_TIMESTAMP
on update CURRENT_TIMESTAMP,
  `InsertIntoDB` timestamp NOT NULL default '0000-00-00 00:00:00',
  `SendingDateTime` timestamp NOT NULL default '0000-00-00
00:00:00',
  `Text` text,
  `DestinationNumber` varchar(20) NOT NULL default "",
  `Coding`
enum('Default_No_Compression','Unicode_No_Compression','8bit','Defa
ult_Compression','Unicode_Compression') default '8bit',
  `UDH` text,
  `Class` int(11) default '-1',
  `TextDecoded` varchar(160) NOT NULL default "",
  `ID` int(11) unsigned NOT NULL auto_increment,
  `MultiPart` enum('false','true') default 'false',
  `RelativeValidity` int(11) default '-1',
  `SenderID` text,
  `SendingTimeOut` timestamp NULL default '0000-00-00 00:00:00',
  `DeliveryReport` enum('default','yes','no') default 'default',
  `CreatorID` text NOT NULL,
  UNIQUE KEY `ID` (`ID`)
) ENGINE=MyISAM AUTO_INCREMENT=517 DEFAULT CHARSET=utf8;

/*Table structure for table `outbox_multipart` */
DROP TABLE IF EXISTS `outbox_multipart`;
CREATE TABLE `outbox_multipart` (
  `Text` text,

```

```

`Coding`
enum('Default_No_Compression','Unicode_No_Compression','8bit','Default_No_Compression','Unicode_Compression') default '8bit',
`UDH` text,
`Class` int(11) default '-1',
`TextDecoded` varchar(160) default NULL,
`ID` int(11) unsigned NOT NULL default '0',
`SequencePosition` int(11) NOT NULL default '1'
) ENGINE=MyISAM DEFAULT CHARSET=utf8;

/*Table structure for table `phones` */
DROP TABLE IF EXISTS `phones`;
CREATE TABLE `phones` (
  `ID` text NOT NULL,
  `UpdatedInDB` timestamp NOT NULL default CURRENT_TIMESTAMP on update CURRENT_TIMESTAMP,
  `InsertIntoDB` timestamp NOT NULL default '0000-00-00 00:00:00',
  `TimeOut` timestamp NOT NULL default '0000-00-00 00:00:00',
  `Send` enum('yes','no') NOT NULL default 'no',
  `Receive` enum('yes','no') NOT NULL default 'no',
  `IMEI` text NOT NULL,
  `Client` text NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=utf8;

/*Table structure for table `sentitems` */
DROP TABLE IF EXISTS `sentitems`;
CREATE TABLE `sentitems` (
  `UpdatedInDB` timestamp NOT NULL default CURRENT_TIMESTAMP on update CURRENT_TIMESTAMP,
  `InsertIntoDB` timestamp NOT NULL default '0000-00-00 00:00:00',
  `SendingDateTime` timestamp NOT NULL default '0000-00-00 00:00:00',
  `DeliveryDateTime` timestamp NOT NULL default '0000-00-00 00:00:00',
  `Text` text NOT NULL,
  `DestinationNumber` varchar(20) NOT NULL default '',
  `Coding`
enum('Default_No_Compression','Unicode_No_Compression','8bit','Default_No_Compression','Unicode_Compression') NOT NULL default '8bit',
  `UDH` text NOT NULL,
  `SMSCNumber` varchar(20) NOT NULL default '',
  `Class` int(11) NOT NULL default '-1',
  `TextDecoded` varchar(160) NOT NULL default '',
  `ID` int(11) unsigned NOT NULL default '0',
  `SenderId` text NOT NULL,
  `SequencePosition` int(11) NOT NULL default '1',
  `Status`
enum('SendingOK','SendingOKNoReport','SendingError','DeliveryOK','DeliveryFailed','DeliveryPending','DeliveryUnknown','Error') NOT NULL default 'SendingOK',
  `StatusError` int(11) NOT NULL default '-1',
  `TPMR` int(11) NOT NULL default '-1',
  `RelativeValidity` int(11) NOT NULL default '-1',
  `CreatorID` text NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=utf8;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;

```

Note: Source code files are arranged alphabetically and by folder.

aneshome.php

```

<?php
// anesthesiologist's home

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$username = $_COOKIE['uname'];
$usr_typ = $_COOKIE['usr_typ'];

$query = "SELECT cid_pk as cid, DATE_FORMAT(or_dt, '%b %e'),
DATE_FORMAT(or_dt, '%l:%i %p'), CONCAT(UPPER(lname), ' ', fname),
surgeon, sched_proc, CASE WHEN premed = ' ' THEN '&nbsp;'; ELSE
premed END, pid_pk, prid_pk FROM patient, consultation, preop
WHERE NOT EXISTS (SELECT poid_pk from postop WHERE cid_fk = cid)
AND aid_fk = $usr_id AND pid_fk = pid_pk AND cid_pk = cid_fk AND
dc_order=" GROUP BY pid_pk ORDER BY or_dt";
$result = mysql_query($query);
$prcount = mysql_num_rows($result);
$total = $prcount;
if ($prcount > 5) { $prcount = 5; }

```

```

while($prrow = mysql_fetch_array($prresult) && ($prcount > 0)){
  $prlist = $prlist . "<tr>
  <td align='center'>" . $prrow[0] . "</td>
  <td align='center'>" . $prrow[1] . "</td>
  <td align='center'>" . $prrow[2] . "</td>
  <td><a href='patientdetails.php?pid=" . $prrow[7] . "&cid=" .
  $prrow[0] . "'>" . $prrow[3] . "</a></td>
  <td>" . $prrow[4] . "</td>
  <td>" . $prrow[5] . "</td>
  <td>" . $prrow[6] . "</td>
  </tr>";

  $prcount--;
}

$query = "SELECT DISTINCT medid_pk as medid, pid_pk,
CONCAT(UPPER(lname), ' ', fname), bnum, usr_name,
medication.med_name, medication.med_dose, CASE WHEN
(DATE_FORMAT(med_freq, '%i')='00') THEN DATE_FORMAT(med_freq,
'%k hrs') ELSE DATE_FORMAT(med_freq, '% khrs, %i mins') END,
DATE_FORMAT(med_start, '%b %e, %l:%i %p'), DATE_FORMAT(CASE
WHEN NOT EXISTS(SELECT medid_fk FROM medication, carryout
WHERE medid_pk = medid_fk AND medid_pk = medid) THEN
med_start ELSE ADDTIME((SELECT MAX(given_dt) FROM carryout
WHERE medid_fk=medid), med_freq) END, '%b %e %Y %T') as nextint,
CASE WHEN (CASE WHEN NOT EXISTS(SELECT medid_fk FROM
medication, carryout WHERE medid_pk = medid_fk AND medid_pk =
medid) THEN med_start ELSE ADDTIME((SELECT MAX(given_dt) FROM
carryout WHERE medid_fk=medid), med_freq) END) < NOW() THEN 1
ELSE 0 END, (SELECT COUNT(coid_pk) FROM carryout WHERE medid_fk
= medid) as given, cid_pk, CASE WHEN NOT EXISTS(SELECT medid_fk
FROM medication, carryout WHERE medid_pk = medid_fk AND
medid_pk = medid) THEN med_start ELSE ADDTIME((SELECT
MAX(given_dt) FROM carryout WHERE medid_fk=medid), med_freq)
END as nextintorder FROM patient, bed, user, medication, consultation,
management, rr, preop, postop WHERE pid_pk = pid_fk AND uid_pk =
medication.oid_fk AND cid_pk = preop.cid_fk AND cid_pk =
postop.cid_fk AND cid_pk = management.cid_fk AND mid_pk =
medication.mid_fk AND mid_pk = rr.mid_fk AND (CASE WHEN out_dt =
'0000-00-00 00:00:00' THEN bid_pk = rr.bid_fk ELSE bid_pk =
consultation.bid_fk END) AND med_end = 0 AND mactive = 1 AND
(aid_fk = $usr_id OR aassist_fk = $usr_id) GROUP BY medid_pk ORDER
BY nextintorder";
$result = mysql_query($query);
$pmcount = mysql_num_rows($result);
$total = $pmcount;
if ($pmcount > 5) { $pmcount = 5; }

$first = 1;
while($pmrow = mysql_fetch_array($pmresult) && ($pmcount > 0)){
  if($pmrow[10] == 1){
    $intaketime = "<b><span id='span' . $pmrow[0] .
    '&nbsp;&nbsp;&nbsp;</span></b>";
  }else{
    $intaketime = "<span id='span' . $pmrow[0] . "'>&nbsp;&nbsp;&nbsp;</span>";
  }

  $pmlist = $pmlist . "<tr>
  <td><a href='patientdetails.php?pid=" . $pmrow[1] . "&cid=" .
  $pmrow[12] . "'>" . $pmrow[2] . "</a></td>
  <td>" . $pmrow[3] . "</td>
  <td>" . $pmrow[4] . "</td>
  <td><a href='medicationdetails.php?medid=" . $pmrow[0] .
  "&view=1">" . $pmrow[5] . "</a></td>
  <td>" . $pmrow[6] . "</td>
  <td>" . $pmrow[7] . "</td>
  <td>" . $pmrow[8] . "</td>
  <td align='center'>" . $intaketime . "</td>
  <td align='center'>" . $pmrow[11] . "</td>
  <td align='center'><a href='medicationdetails.php?medid=" .
  $pmrow[0] . "'>Edit</a> | <a href='#'
  onclick='confirmStopMed('managemonitoring.php?stop_med=1', " .
  $pmrow[0] . ", " . $pmrow[2] . ", " . $pmrow[5] . ", " . $pmrow[6] . ", " .
  $pmrow[1] . ", " . $pmrow[12] . ", 'reshome.php)'">Stop</a></td>
  </tr>";
  if($first == 1){
    $taketime = $pmrow[9];
    $spanid = "span" . $pmrow[0];
  }else{
    $taketime = $taketime . "*" . $pmrow[9];
    $spanid = $spanid . "*" . $pmrow[0];
  }
  $first = 0;
  $pmcount--;
}

$query = "SELECT pid_pk, CONCAT(UPPER(lname), ' ', fname),
bnum, sfname, DATE_FORMAT(sfstart, '%b %e, %l:%i %p'), aid_fk as
aid, aassist_fk as aassist, (SELECT usr_name from user WHERE uid_pk
= aid), CASE WHEN aassist_fk = 0 THEN '&nbsp;'; ELSE (SELECT
usr_name from user WHERE uid_pk = aassist) END, cid_pk, sfid_pk
FROM patient, bed, consultation, preop, postop, management, rr,

```

```

sidefx WHERE pid_pk = pid_fk AND (CASE WHEN out_dt = '0000-00-00
00:00:00' THEN bid_pk = rr.bid_fk ELSE bid_pk = consultation.bid_fk
END) AND cid_pk = preop.cid_fk AND cid_pk = postop.cid_fk AND
cid_pk = management.cid_fk AND mid_pk = rr.mid_fk AND mid_pk =
sidefx.mid_fk AND sfend = '0000-00-00 00:00:00' AND mactive = 1
AND (aid_fk = $usr_id OR aassist_fk = $usr_id) ORDER BY sfstart
DESC";
$pseresult = mysql_query($psequery);
$pseccount = mysql_num_rows($pseresult);
$psetotal = $pseccount;
if ($pseccount > 5) { $pseccount = 5; }

while(($pserow = mysql_fetch_array($pseresult)) && ($pseccount > 0))
{
    $pselist = $pselist . "<tr>
    <td><a href='patientdetails.php?pid=' . $pserow[0] . "&cid=" .
    $pserow[9] . "'> . $pserow[1] . "</a></td>
    <td> . $pserow[2] . "</td>
    <td><a href='effectdetails.php?sfid=" . $pserow[10] .
    "&view=1"> . $pserow[3] . "</a></td>
    <td> . $pserow[4] . "</td>
    <td> . $pserow[7] . "</td>
    <td> . $pserow[8] . "</td>
    <td align='center'><a href='patientdetails.php?pid=" .
    $pserow[0] . "&cid=" . $pserow[9] . "#meds">Edit
    Medication</a></td>
    </tr>";
    $pseccount--;
}

$pppsquery = "SELECT pid_pk, CONCAT(UPPER(lname), ' ', fname),
brum, score, DATE_FORMAT(pain_dt, '%b %e, %l:%i %p'), aid_fk as aid,
aassist_fk as aassist, (SELECT usr_name from user WHERE uid_pk =
aid), CASE WHEN aassist_fk = 0 THEN '&nbsp;' ELSE (SELECT usr_name
from user WHERE uid_pk = aassist) END, cid_pk, paid_pk, mid_pk as
mid FROM patient, bed, consultation, preop, postop, management, rr,
pain WHERE pain_dt = (SELECT pain_dt FROM pain WHERE mid_fk =
mid ORDER BY pain_dt DESC LIMIT 0,1) AND pid_pk = pid_fk AND
cid_pk = preop.cid_fk AND cid_pk = postop.cid_fk AND cid_pk =
management.cid_fk AND mid_pk = rr.mid_fk AND mid_pk = pain.mid_fk
AND (CASE WHEN out_dt = '0000-00-00 00:00:00' THEN bid_pk =
rr.bid_fk ELSE bid_pk = consultation.bid_fk END) AND mactive = 1 AND
score > 4 AND (aid_fk = $usr_id OR aassist_fk = $usr_id) GROUP BY
pid_pk ORDER BY pain_dt DESC";
$pppsresult = mysql_query($ppsquery);
$pppsccount = mysql_num_rows($ppsresult);
$pppstotal = $ppsccount;
if ($ppsccount > 5) { $ppsccount = 5; }

while(($pppsrow = mysql_fetch_array($ppsresult)) && ($ppsccount > 0))
{
    $ppplist = $ppplist . "<tr>
    <td><a href='patientdetails.php?pid=" . $pppsrow[0] . "&cid=" .
    $pppsrow[9] . "'> . $pppsrow[1] . "</a></td>
    <td> . $pppsrow[2] . "</td>
    <td align='center'><a href='paindetails.php?paid=" . $pppsrow[10]
    . "&view=1"> . $pppsrow[3] . "</a></td>
    <td> . $pppsrow[4] . "</td>
    <td> . $pppsrow[7] . "</td>
    <td> . $pppsrow[8] . "</td>
    <td align='center'><a href='patientdetails.php?pid=" .
    $pppsrow[0] . "&cid=" . $pppsrow[9] . "#meds">Edit
    Medication</a></td>
    </tr>";
    $pppsccount--;
}

closedb();
?>

<html>
<head>
<title>POPMS Home</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<script language="javascript" src="include/popmsscript.js"></script>
<link href="include/popmcss.css" rel="stylesheet" type="text/css">

<link href="include/default.css" rel="stylesheet" type="text/css"/>
<script language="javascript" src="include/prototype.js"> </script>
<script language="javascript" src="include/window.js"> </script>
</head>

<body onLoad="searchPatient();
document.getElementById('clock').firstChild.nodeValue =
updateClock();
setInterval('document.getElementById('clock').firstChild.nodeValue =
updateClock(), 1000); if('?'=$taketime?' != ''){countDown('<?
=$taketime?>','<?=$spanid?>');}">
<? include 'include/header.php'; ?>

<table width=980 border="0">

```

```

</tr>
<tr>
<td>&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td class="subtitle">PATIENTS WITH HIGH PAIN SCORES</td>
</tr>
<tr>
<td align="right"><a href="pains.php">View All (<?=$ppstotal?
>)</a></td>
</tr>
<tr>
<td>
<table width="975" class="listcontent" cellpadding="0"
cellspacing="0" border="1" bordercolor="#eaeaea">
<tr>
<td class="listheader">Patient Name</td>
<td class="listheader">Bed No</td>
<td class="listheader">Pain Score</td>
<td class="listheader">Date and Time</td>
<td class="listheader">Anesthesiologist</td>
<td class="listheader">Assistant</td>
<td class="listheader">Action</td>
</tr>
<tr>
<td align="left"><?=$ppstotal?>
</tr>
</table>
</tr>
</table>
<? include 'include/footer.lbi'; ?>
</body>
</html>

```

assignmentdetails.php

```

<?php
// nurse assignment schedule details

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

if(($asid != 0) && ($resetform == 1)){
    $schedquery = "SELECT DATE_FORMAT(adate, '%Y-%m-%d'),
DATE_FORMAT(adate, '%b %m, %Y'), etime, DATE_FORMAT(stime, '%l
%p'), DATE_FORMAT(etime, '%l %p') FROM assign WHERE asid_pk =
$asid";
    $schedresult = mysql_query($schedquery);
    $schedrow = mysql_fetch_row($schedresult);
    $sched_date = $schedrow[0];

    switch($schedrow[2]){
        case "06:00:00" : $nshift = 1; break;
        case "14:00:00" : $nshift = 2; break;
        case "22:00:00" : $nshift = 3; break;
    }

    $schednquery = "SELECT DISTINCT nid_fk FROM anurse WHERE
asid_fk = $asid";
    $schednresult = mysql_query($schednquery);

    $v = 1;
    while($schednrow = mysql_fetch_array($schednresult)){
        $nid = "nid" . $v;
        $$nid = $schednrow[0];

        $v++;
    }
    $addnmore = $v - 1;

    $schedrquery = "SELECT DISTINCT rid_fk FROM aroom WHERE asid_fk
= $asid";
    $schedrresult = mysql_query($schedrquery);

    $b = 1;
    while($schedrrow = mysql_fetch_array($schedrresult)){
        $rid = "rid" . $b;
        $$rid = $schedrrow[0];

        $b++;
    }
    $addrmore = $b - 1;

```

```

}

if($asid != 0){
    $delop = "<a href=#\"
onClick='\"confirmAction('manageassignment.php?asid=. $asid .
&del=1', 'ASSIGNMENT FOR ". $schedrow[1]. " FROM ".
$schedrow[3]. " TO ". $schedrow[4]. ")\">DELETE SCHEDULE</a>";
}

if(($addnmore == "") || ($addnmore < 6)){
    $addnmore = 6;
}

if(($addrmore == "") || ($addrmore < 12)){
    $addrmore = 12;
}

switch($nshift){
    case 1: $nfselect = "checked"; break;
    case 2: $nsselect = "checked"; break;
    case 3: $ntselect = "checked"; break;
}

// list of months
for($i = 1; $i < 13; $i++){
    if($i == $smmonth){
        $thismonth = "selected";
    }else{
        $thismonth = "";
    }

    if($i < 10){
        $i = '0' . $i;
    }

    $mlist = $mlist . "<option value=" . $i . " " . $thismonth . ">" .
date('F', mktime(0, 0, 0, $i, 1, 1)) . "</option>";
}

// list of days
for($c = 1; $c < 32; $c++){
    if($sday == $c){
        $sdselect = "selected";
    }else{
        $sdselect = "";
    }

    if($c < 10){
        $cv = '0' . $c;
    }else{
        $cv = $c;
    }

    $dlist = $dlist . "<option value=" . $cv . " " . $sdselect . ">" . $c .
"</option>";
}

// list of years
$nxyr = date("Y") + 1;
$nymquery = "SELECT asid_pk FROM assign WHERE
DATE_FORMAT(adate, '%Y') = $nxyr";
$nymresult = mysql_query($nymquery);
$nxyr = mysql_num_rows($nymresult);

if($nxyr == ""){
    $ylist = "<option value=" . $nxyr . ">" . $nxyr . "</option>";
}

$cury = date("Y");
$cymquery = "SELECT asid_pk FROM assign WHERE
DATE_FORMAT(adate, '%Y') = $cury";
$cymresult = mysql_query($cymquery);
$cury = mysql_num_rows($cymresult);

if($cury == ""){
    $ylist = $ylist . "<option value=" . $cury . ">" . $cury . "</option>";
}

$query = "SELECT DISTINCT DATE_FORMAT(adate, '%Y') FROM assign
ORDER BY DATE_FORMAT(adate, '%Y') DESC";
$result = mysql_query($query);

while($yrow = mysql_fetch_array($result)){
    if($yyear == $yrow[0]){
        $yselect = "selected";
    }else{
        $yselect = "";
    }
    $ylist = $ylist . "<option value=" . $yrow[0] . " " . $yselect . ">" .
$yrow[0] . "</option>";
}

```

```

// list of nurses
$query = "SELECT uid_pk, usr_name, ustatus FROM user WHERE
usr_type = 'n' ORDER BY usr_name";
$result = mysql_query($query);

while($nrow = mysql_fetch_array($result)){
  for($r = 1; $r <= $addnmore; $r++){
    $nlist = "nlist" . $r;

    if($nlist == ""){
      $nlist = "<option>&nbsp;</option>";
    }

    $nid = "nid" . $r;
    if($nrow[2] == 2){
      if($nid == $nrow[0]){
        $select = "selected";
        $nlist = $nlist . "<option value=\"" . $nrow[0] . "\" . $select .
">" . $nrow[1] . "</option>";
      }
    }
    }else{
      if($nid == $nrow[0]){
        $select = "selected";
      }else{
        $select = "";
      }
      $nlist = $nlist . "<option value=\"" . $nrow[0] . "\" . $select .
">" . $nrow[1] . "</option>";
    }
  }
}

// list of floors
$query = "SELECT fno_pk FROM floor ORDER BY fno_pk";
$result = mysql_query($query);
$select = "<option>&nbsp;</option>";

while($frow = mysql_fetch_array($result)){
  if($frow == $frow[0]){
    $select = $select . "<option value=\"" . $frow[0] . " selected>" .
$frow[0] . "</option>";
  }
  }else{
    $select = $select . "<option value=\"" . $frow[0] . "\" . $frow[0] .
">" . $frow[0] .
"</option>";
  }
}

if($frow != 0){
  // list of rooms in floor
  $query = "SELECT rid_pk, rnum FROM floor, room WHERE fno_pk =
fno_fk AND fno_fk = $frow AND rstatus = 0 ORDER BY rnum";
  $result = mysql_query($query);
  $count = mysql_num_rows($result);

  while($srow = mysql_fetch_array($result)){
    $temp = 0;
    for($s=1; $temp != 1; $s++){
      $rid = "rid" . $s;
      if($rid == 0){
        $rid = $srow[0];
        $temp = 1;
      }
    }
  }
}

if($s < 12){
  $addmore = 12;
}else{
  $addmore = $s;
}
}

// list of rooms
$query = "SELECT rid_pk, rnum, rstatus FROM floor, room WHERE
fno_pk = fno_fk ORDER BY rnum";
$result = mysql_query($query);

while($row = mysql_fetch_array($result)){
  for($q=1; $q <= $addmore; $q++){
    $rlist = "rlist" . $q;

    if($rlist == ""){
      $rlist = "<option>&nbsp;</option>";
    }

    $rid = "rid" . $q;

    if($row[2] == 1){
      if($rid == $row[0]){
        $select = "selected";
      }
    }
  }
}

// select box for names of nurses
for($n=1; $n <= $addnmore; $n++){
  if($n%3 == 1){
    $addnurse = $addnurse . "<tr>";
    $tdalign = "align=right";
  }

  if($n%3 == 2){
    $tdalign = "align=center";
  }

  if($n%3 == 0){
    $tdalign = "";
  }

  $nid = "nid" . $n;
  $nlist = "nlist" . $n;

  $addnurse = $addnurse . "<td " . $tdalign . "><select name=\"nid\" .
$n . \" value=\"\" . $nid . \"\>" . $nlist . "</select></td>";

  if($n%3 == 0){
    $addnurse = $addnurse . "</tr>";
  }
  $addnurse = $addnurse . "<tr><td>&nbsp;</td></tr>";

  //select box for rooms
  for($p=1; $p <= $addmore; $p++){
    if($p%6 == 1){
      $addroom = $addroom . "<tr>";
      $tdalign = "align=right";
    }else if($p%6 == 0){
      $tdalign = "";
    }
    }else{
      $tdalign = "align=center";
    }
  }

  $rid = "rid" . $p;
  $rlist = "rlist" . $p;

  $addroom = $addroom . "<td " . $tdalign . "><select name=\"rid\" .
$p . \"\>" . $rlist . "</select></td>";

  if($p%6 == 0){
    $addroom = $addroom . "</tr>";
  }
}
$addroom = $addroom . "<tr><td>&nbsp;</td></tr>";

closedb();
?>

<html>
<head>
<title>POPMS Nurse Assignment Schedule Details</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<script language="javascript" src="include/popmsscript.js"></script>
<script language="javascript" src="include/calendar.js"></script>
<link href="include/popmcss.css" rel="stylesheet" type="text/css">
</head>

<body
onLoad="document.getElementById('clock').firstChild.nodeValue =
updateClock();
setInterval('document.getElementById('\clock\').firstChild.nodeValue =
updateClock()', 1000 );
checkOption(document.editassignform.addallroom,'asfloor');">
<? include 'include/header.php'; ?>
<table width="980" border="0">
<tr>
<td colspan="7"><font
class="title">SCHEDULE</font>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<font
class="subtitle">DETAILS</font></td>
</tr>
<tr>
<td>

```

```

        <td colspan="7">&nbsp;</td>
</tr>
<form method="post" action="manageassignment.php"
name="editassignform">
<tr>
<td>&nbsp;</td>
<td class="error"><?=$msg?></td>
<td>&nbsp;</td>
<td width="280" align="right">
<input type="submit" name="save" class="cssbutton"
value="save" onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)">
</td>
<td align="center">
<input type="reset" name="reset" class="cssbutton"
value="reset" onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"
onClick="window.location='assignmentdetails.php?asid=<? echo $asid
?>&resetform=1'">
</td>
<td>
<input type="reset" name="cancel" class="cssbutton"
value="cancel" onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"
onClick="window.location='assignments.php'">
</td>
<td>&nbsp;</td>
</tr>
<tr>
<td>&nbsp;</td>
<td width="370">
<table align="right" class="boxwithheader" width="300"
cellpadding="1" cellspacing="0">
<tr>
<td colspan="2" class="headerbox">SCHEDULE</td>
<td colspan="2" align="right" class="headerbox"><?=$delop?
></td>
</tr>
<tr>
<td colspan="4">&nbsp;</td>
</tr>
<tr>
<td align="right">Date:</td>
<td colspan="3"><input name="sched_date" size="14px"
type="text" readonly="readonly" class="text" value="<?
=$sched_date?>" />
<input name="button" type="button" style="width:20px;
height:20px; background:url(images/cal.gif);"
onClick="javascript:showCal('assignment')"></td>
</tr>
<tr>
<td align="right">Nurse Shift:</td>
<td colspan="3"><input type="radio" name="nshift" value="1"
<?=$nselect?> />10pm to 6am</td>
</tr>
<tr>
<td align="right">&nbsp;</td>
<td colspan="3"><input type="radio" name="nshift" value="2"
<?=$nsselect?> />6am to 2pm</td>
</tr>
<tr>
<td align="right">&nbsp;</td>
<td colspan="3"><input type="radio" name="nshift"
value="3" <?=$ntselect?> />2pm to 10pm</td>
</tr>
<td colspan="4">&nbsp;</td>
</tr>
<td colspan="4">&nbsp;</td>
<td colspan="4">
<table width="500" class="boxwithheader">
<tr>
<td colspan="3" class="headerbox">NURSES</td>
</tr>
<tr>
<td colspan="3" align="right">&nbsp;</td>
</tr>
<tr>
<td colspan="3"><input type="reset" name="nmore"
class="cssbutton" value="more"
onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"
onClick="addMore(this, <?=$addnmore?>, 'dntsubmit')"></td>
</tr>
</table></td>
<td>&nbsp;</td>
</tr>
<tr>
<td colspan="7">&nbsp;</td>
</tr>
<td colspan="5">
<table align="center" class="boxwithheader" width="800">
<tr>
<td class="headerbox" colspan="6">ROOMS</td>
</tr>
<tr>
<td colspan="6">
<input type="checkbox" name="addallroom" value=1
onClick="checkOption(this,'asfloor') <?=$addall?> />Add All Rooms
in Floor:&nbsp;  
<select name="asfloor"
onChange="editassignform.dntsubmit.value=1;
editassignform.submit() disabled <?=$afselect?>">
</tr>
<tr>
<td colspan="6"><hr /></td>
</tr>
<tr>
<td align="right">
<td colspan="5"><input type="reset" name="rmore"
class="cssbutton" value="more"
onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"
onClick="addMore(this, <?=$addrmore?>, 'dntsubmit')"></td>
</tr>
<tr>
<td colspan="6">&nbsp;</td>
</tr>
<tr>
<td colspan="6"><input type="hidden" name="addnmore" value="<?=$addnmore?
">
<input type="hidden" name="addrmore" value="<?=$addrmore?
">
<input type="hidden" name="dntsubmit" value="<?=$dntsubmit?
">
<input type="hidden" name="asid" value="<?=$asid?>">
</form>
<tr>
<td>&nbsp;</td>
<td colspan="5">&nbsp;</td>
</tr>
<tr>
<td colspan="6">&nbsp;</td>
</tr>
</table>
<? include 'include/footer.lbi'; ?>
</body>
</html>

```

```

assignments.php
<?php
// list of nurse assignment schedules

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

if($ascorder == ""){
    $ascorder = "DESC";
}

$query = "SELECT DATE_FORMAT(adate, '%b %d, %Y'),
DATE_FORMAT(stime, '%i %p'), DATE_FORMAT(etime, '%i %p'),
asid_pk, DATE_FORMAT(adate, '%Y%m&d'), DATE_FORMAT(etime, '%H
%m%&s') FROM assign ORDER BY adate $ascorder, stime";
$result = mysql_query($query);

// total number of assignment schedules
$max = mysql_num_rows($result);

$recordsperpage = 15;
paging($max, $recordsperpage, $liststart, $listend, "&ascorder=" .
    $ascorder, "assignments");
$hasprev = $_POST['hasprev'];
$hasnext = $_POST['hasnext'];
$liststart = $_POST['liststart'];
$listend = $_POST['listend'];

$i = 1;
while($srow = mysql_fetch_array($result)){
    if(($liststart <= $i) && ($i <= $listend)){
        $query = "SELECT usr_name FROM assign, user, anurse WHERE
asid_pk = asid_fk AND asid_fk = $srow[3] AND uid_pk = nid_fk GROUP
BY nid_fk";

```



```

management, medication WHERE pid_pk = pid_fk AND cid_pk =
preop.cid_fk AND cid_pk = management.cid_fk AND mid_pk = mid_fk
AND medid_pk = $medid";
$result = mysql_query($query);
$row = mysql_fetch_row($result) or die(mysql_error());
$pid = $row[0];
$cid = $row[1];
$mid = $row[2];
$name = $row[3];
$dc = $row[4];
$active = $row[5];
$oid = $row[6];
}

// checks if the page has past values
if(($name == "") && ($dose == "") && ($date == "") && ($hour ==
"") && ($g_min == "") && ($g_max == "" || $g_min == 0) &&
($ampm == "") && ($nid == "") && ($coid != 0) || (($resetform ==
1) && ($coid != 0))){
    $query = "SELECT carryout.med_name, carryout.med_dose,
carryout.oid_fk, DATE_FORMAT(given_dt, '%Y-%m-%d'),
DATE_FORMAT(given_dt, '%l'), DATE_FORMAT(given_dt, '%i'),
DATE_FORMAT(given_dt, '%p'), nid_fk, DATE_FORMAT(sched_dt, '%b
%e %Y %T') as nextint, 0, med_end FROM medication, carryout WHERE
medid_pk = medid_fk AND medid_pk = $medid GROUP BY medid_pk";
$result = mysql_query($query) or die(mysql_error());
$row = mysql_fetch_row($result);
$name = $row[0];
$name_orig = $row[0];
$dose = $row[1];
$dose_orig = $row[1];
$oid = $row[2];
$date = $row[3];
$hour = $row[4];
$g_min = $row[5];
$g_max = $row[6];
$nid = $row[7];
$med_end = $row[10];
$nextint = $row[8];
$givetime = $row[9];
}

// new given medication values
if(($name == "") && ($dose == "") && ($date == "") && ($hour ==
"") && ($g_min == "" || $g_max == 0) && ($ampm == "") &&
($nid == "") && ($coid == 0) || (($resetform == 1) && ($coid == 0))
{
    $query = "SELECT medication.med_name, medication.med_dose,
medication.oid_fk, DATE_FORMAT(CASE WHEN NOT EXISTS(SELECT
medid_fk FROM medication, carryout WHERE medid_pk = medid_fk
AND medid_pk = $medid) THEN med_start ELSE ADDTIME((SELECT
MAX(given_dt) FROM carryout WHERE medid_fk=$medid), (med_freq
END, '%b %e %Y %T') as nextint, CASE WHEN ADDTIME((CASE WHEN
NOT EXISTS(SELECT medid_fk FROM medication, carryout WHERE
medid_pk = medid_fk AND medid_pk = $medid) THEN med_start ELSE
MAX(given_dt) END), med_freq) < NOW() THEN 1 ELSE 0 END,
med_end FROM medication, carryout WHERE CASE WHEN
EXISTS(SELECT medid_fk FROM medication, carryout WHERE medid_pk
= medid_fk AND medid_pk = $medid) THEN medid_pk = medid_fk
ELSE 1 END AND medid_pk = $medid GROUP BY medid_pk";
$result = mysql_query($query) or die(mysql_error());
$row = mysql_fetch_row($result);
$name = $row[0];
$name_orig = $row[0];
$dose = $row[1];
$dose_orig = $row[1];
$oid = $row[2];
$med_end = $row[5];
$nextint = $row[3];
$givetime = $row[4];

// fill given date and time with current timestamp
$query = "SELECT DATE_FORMAT(NOW(), '%Y-%m-%d'),
DATE_FORMAT(NOW(), '%h'), DATE_FORMAT(NOW(), '%i'),
DATE_FORMAT(NOW(), '%p')";
$result = mysql_query($query) or die(mysql_error());
$row = mysql_fetch_row($result);

$date = $row[0];
$hour = $row[1];
$g_min = $row[2];
$g_max = $row[3];

// default nurse
if($usr_typ == 'n'){
    $nid = $usr_id;
}else{
    if(date('G') < 6 || date('G') > 21){
        $condition = "(DATE_FORMAT(NOW(), '%Y%m%d%H%i%s')
BETWEEN DATE_FORMAT(CONCAT(adate, ' ', stime), '%Y%m%d%H%i
%s') AND DATE_FORMAT(CONCAT(adate, INTERVAL 1 DAY,
', etime), '%Y%m%d%H%i%s'))";
    }else{
        $condition = "(DATE_FORMAT(NOW(), '%Y%m%d%H%i%s')
BETWEEN DATE_FORMAT(CONCAT(adate, ' ', stime), '%Y%m%d%H%i
%s') AND DATE_FORMAT(CONCAT(adate, ' ', etime), '%Y%m%d%H%i
%s'))";
    }
    $query = "SELECT anurse.nid_fk FROM rr, consultation,
management, bed, room, aroom, anurse, assign WHERE cid_pk = $cid
AND cid_pk = cid_fk AND mid_pk = mid_fk AND CASE WHEN (SELECT
out_dt = '0000-00-00 00:00:00' FROM rr where mid_fk = $mid) THEN
bid_pk = rr.bid_fk ELSE bid_pk = consultation.bid_fk END AND rid_pk =
bed.bid_fk AND rid_pk = aroom.bid_fk AND asid_pk = aroom.asid_fk
AND asid_pk = anurse.asid_fk AND $condition LIMIT 0, 1";
    $result = mysql_query($query);
    $row = mysql_fetch_row($result);
    $nid = $row[0];
}

// list of doctors
$query = "SELECT uid_pk, usr_name, ustatus FROM user WHERE
(usr_type = 'a' OR usr_type = 'r') AND usr_name <> 'AROD' ORDER BY
usr_name";
$result = mysql_query($query);

$alist = "<option value="">&nbsp;</option>";
while($drow = mysql_fetch_array($result)){
    if($drow[2] == 2 || $drow[2] == 0){
        if($oid == $drow[0]){
            $dselect = "selected";
            $alist = $alist . "<option value=" . $drow[0] . " selected > " .
$drow[1] . "</option>";
        }
        }else{
            if($oid == $drow[0]){
                $dselect = "selected";
            }else{
                $dselect = "";
            }
            $alist = $alist . "<option value=" . $drow[0] . " " . $dselect . "> " .
$drow[1] . "</option>";
        }
    }
}

// list of nurses
$query = "SELECT uid_pk, usr_name, ustatus FROM user WHERE
usr_type = 'n' ORDER BY usr_name";
$result = mysql_query($query);

$nlist = "<option value="">&nbsp;</option>";
while($nrow = mysql_fetch_array($result)){
    if($nrow[2] == 2 || $nrow[2] == 0){
        if($nid == $nrow[0]){
            $nselect = "selected";
            $nlist = $nlist . "<option value=" . $nrow[0] . " selected > " .
$nrow[1] . "</option>";
        }
        }else{
            if($nid == $nrow[0]){
                $nselect = "selected";
            }else{
                $nselect = "";
            }
            $nlist = $nlist . "<option value=" . $nrow[0] . " " . $nselect . "> " .
$nrow[1] . "</option>";
        }
    }
}

if($med == 1 || $view == 1 || $coid == 0){
    $nonext = "style='visibility:hidden'";
}

if($view == 1){
    $disable = "disabled";
    $vblock = "style='display:none'";
    $vonly = "readonly";
}

if($dc != "" && $coid != 0 || $active == 0 && $coid != 0 || $usr_typ !
= 'n'){
    $disable = "disabled";
    $vblock = "style='display:none'";
    $dblock = "style='display:none'";
    $vonly = "readonly";
}

closedb();
?>

<html>
<head>

```



```

        <td colspan="3" align="right" valign="bottom"><a
href="medicationdetails.php?medid=<?=$medid?>">VIEW
MEDICATION DETAILS</a></td>
</tr>
</table></td>
</tr>
<tr>
<td colspan="4">&nbsp;
<input type="hidden" name="save_given" value="1" />
<input type="hidden" name="pid" value="<?=$pid?>" />
<input type="hidden" name="cid" value="<?=$cid?>" />
<input type="hidden" name="mid" value="<?=$mid?>" />
<input type="hidden" name="medid" value="<?=$medid?>" />
<input type="hidden" name="coid" value="<?=$coid?>" />
<input type="hidden" name="mend" value="<?=$mend?>" />
<input type="hidden" name="nextint" value="<?=$nextint?>" />
<input type="hidden" name="givetime" value="<?=$givetime?
>" /> </td>
<input type="hidden" name="dc" value="<?=$dc?>" />
<input type="hidden" name="mactive" value="<?=$mactive?
>" />
<input type="hidden" name="mname_orig" value="<?
=$mname_orig?>" />
<input type="hidden" name="dose_orig" value="<?=$dose_orig?
>" />
</tr>
</form>
</table>

<? include 'include/footer.lbi'; ?>
</html>

```

daemon.php

```

<?
// manages SMS messages

include 'include/configuration.php';
include 'include/popmsfunctions.php';
include 'include/popmssms.php';

connect_gammu();
$dquery = "SELECT CASE WHEN Start = '1' THEN 1 ELSE 0 END FROM
daemons WHERE Info = 'newmsg'";
$dresult = mysql_query($dquery);
$drow = mysql_fetch_row($dresult);
if($drow[0] == 1){
    $mquery = "SELECT ID, TextDecoded, SenderNumber FROM inbox
WHERE Processed = 'false'";
    $mresult = mysql_query($mquery);

    $count = 1;
    while($mrow = mysql_fetch_row($mresult)){
        $id[$count] = $mrow[0];
        $msg[$count] = $mrow[1];
        $celno[$count] = $mrow[2];
        $count++;
    }
    closedb();

    for($n = 1; $n < $count; $n++){
        $code = split(' ', $msg[$n]);
        $error = 0;

        $mid = $code[1];
        $firstmessage = $code[2];
        if(!is_numeric($mid)){
            $error = 1;
        }else{
            opendb();
            $query = "SELECT CONCAT(fname, ' ', lname), aid_fk as aid,
(SELECT celno FROM user WHERE uid_pk = aid), aassist_fk as aassist,
CASE WHEN (aassist_fk = 0) OR (DATE_FORMAT(NOW(), '%H') < 8)
THEN (SELECT celno FROM user WHERE uid_pk = 2) WHEN (16 <
DATE_FORMAT(NOW(), '%H')) THEN (SELECT celno FROM user WHERE
uid_pk = 2) ELSE (SELECT celno FROM user WHERE uid_pk = aassist)
END, CASE WHEN (SELECT out_dt FROM rr where mid_fk = $mid) =
'0000-00-00 00:00:00' THEN 0 ELSE 1 END, mactive FROM patient,
consultation, preop, postop, management WHERE pid_pk = pid_fk AND
cid_pk = preop.cid_fk AND cid_pk = postop.cid_fk AND cid_pk =
management.cid_fk AND mid_pk = $mid";
            $result = mysql_query($query);
            $row = mysql_fetch_row($result);
            $pname = $row[0];
            $anescelno = $row[2];
            $aassistcelno = $row[4];
            $mstart = $row[5];
            $monitoract = $row[6];

            if($mstart == 1 && $monitoract == 1){
                if($code[0] == 'OR'){
                    $pwd = split('p:', $msg[$n]);

```

```

        $usr = split('u:', $pwd[0]);
        $pwd = $pwd[1];
        $usr = substr($usr[1], 0, -1);
        $order = split('u:', $msg[$n]);echo $usr.'-'. $pwd.'-'. $order[0];
        opendb();
        $cdquery = "SELECT uid_pk FROM user WHERE usrname = '$usr'
AND password = '$pwd' AND usr_type != 'n' AND ustatus = 1";
        $cdresult = mysql_query($cdquery);
        if(mysql_num_rows($cdresult)){
            closedb();
            connect_gammu();
            $hmquery = "DELETE FROM outbox WHERE CreatorID LIKE
'$mid:order%'";
            $hmresult = mysql_query($hmquery);

            $reply = "POPMS: Your message was received by the system.";
            send_sms($celno[$n], date('Y-m-d H:i:s'), $reply, $def_coding,
"notify");
            opendb();

            $iquery = "INSERT INTO inbox (mid_fk, sid_fk, received_dt,
read_dt, content) VALUES ($mid, '$celno[$n]', NOW(), '0000-00-00
00:00:00', '$order[0]')";
            $ireresult = mysql_query($iquery);
        }else{
            $error = 1;
        }else{
            $error = 1;
        }
    }
}
closedb();

opendb();
if($error == 1){
    $sdquery = "SELECT uid_pk FROM user WHERE celno = '$celno[$n]'
AND ustatus = 1 AND (usr_type = 'a' OR usr_type = 'r')";
    $sdresult = mysql_query($sdquery);
    if(mysql_num_rows($sdresult)){
        $reply = "POPMS: Sorry. Your message was not processed. The
format is invalid. To send an order, text OR <MID> <message>
u:<username> p:<password> to this number. Ex: OR 1234 Diazepam
6mg every 4hrs u:cvbayot p:mypass123";
        closedb();
        send_sms($celno[$n], date('Y-m-d H:i:s'), $reply, $def_coding,
"error");
        opendb();
    }
}
closedb();

connect_gammu();
$pquery = "UPDATE inbox SET Processed = 'true' WHERE ID =
'$id[$n]'";
$result = mysql_query($pquery);
closedb();
}
connect_gammu();
$dquery = "UPDATE daemons SET Start = '0' WHERE Info =
'newmsg'";
$dresult = mysql_query($dquery);
closedb();
}else{
    closedb();
    exit;
}
?>

```

dischargedetails.php

```

<?php
// hospital location details

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'], $_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

// patient name
$pquery = "SELECT CONCAT(fname, ' ', lname) FROM patient WHERE
pid_pk = $pid";
$result = mysql_query($pquery);

```



```

<option value="">&nbsp;&nbsp;&nbsp;</option>
<? if($d_ampm == 'PM'){?>
<option value="AM">AM</option>
<option value="PM" selected>PM</option>
<? }elseif($d_ampm == 'AM'){?>
<option value="AM" selected>AM</option>
<option value="PM">PM</option>
<? }else{?>
<option value="AM">AM</option>
<option value="PM">PM</option>
<? }?>
</select></td>
</tr>
<tr>
<td colspan="3">&nbsp;&nbsp;&nbsp;</td>
</tr>
</table></td>
<td>
<input type="hidden" name="pid" value="<?=$pid?>" />
<input type="hidden" name="cid" value="<?=$cid?>" />
</td>
</tr>
</form>
<tr>
<td colspan="9" height="40">&nbsp;&nbsp;&nbsp;</td>
</tr>
</table>

<? include 'include/footer.lbi'; ?>
</body>
</html>

```

effectdetails.php

```

<?php
// patient's side effect details

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$COOKIE['sesscookie']);
opendb();

$usr_id = $COOKIE['usr_id'];
$usr_typ = $_COOKIE["usr_typ"];

extract($_GET);
extract($_POST);

// keys, patient name, record number, hospital number and discharge order
if($sfid != 0){
    $pquery = "SELECT pid_pk, cid_pk, mid_pk, CONCAT(fname, ' ', lname), dc_order, mactive FROM patient_consultation_management_sidefx WHERE pid_pk = pid_fk AND cid_pk = cid_fk AND mid_pk = mid_fk AND sfid_pk = $sfid";
    $presult = mysql_query($pquery);
    $prow = mysql_fetch_row($presult) or die(mysql_error());
    $pid = $prow[0];
    $cid = $prow[1];
    $mid = $prow[2];
    $pname = $prow[3];
    $dc = $prow[4];
    $mactive = $prow[5];
} else {
    $pquery = "SELECT pid_pk, cid_pk, CONCAT(fname, ' ', lname), dc_order, mactive FROM patient_consultation_management WHERE pid_pk = pid_fk AND cid_pk = cid_fk AND mid_pk = $mid";
    $presult = mysql_query($pquery);
    $prow = mysql_fetch_row($presult) or die(mysql_error());
    $pid = $prow[0];
    $cid = $prow[1];
    $pname = $prow[2];
    $dc = $prow[3];
    $mactive = $prow[4];
}

// checks if the page has past values
if(($effect == "" && ($date_start == "" && ($start_hour == "" && ($start_min == "" || $start_min == 0) && ($start_ampm == "" && ($date_resolved == "" && ($resolve_hour == "" && ($resolve_min == "" || $resolve_min == 0) && ($resolve_ampm == "" && ($sfid != 0) && ($resetform == 1) && ($sfid != 0))))))){
    $squery = "SELECT sfname, DATE_FORMAT(sfstart, '%Y-%m-%d'), DATE_FORMAT(sfstart, '%i'), DATE_FORMAT(sfstart, '%p'), CASE WHEN sfend = '0000-00-00 00:00:00' THEN '' ELSE DATE_FORMAT(sfend, '%Y-%m-%d') END, CASE WHEN sfend = '0000-00-00 00:00:00' THEN '' ELSE DATE_FORMAT(sfend, '%i') END, CASE WHEN sfend = '0000-00-00 00:00:00' THEN '' ELSE DATE_FORMAT(sfend, '%i') END, CASE WHEN

```

```

sfend = '0000-00-00 00:00:00' THEN '' ELSE DATE_FORMAT(sfend, '%p') END, CASE WHEN sfend = '0000-00-00 00:00:00' THEN 0 ELSE 1 END FROM sidefx WHERE sfid_pk = $sfid";
    $sresult = mysql_query($squery) or die(mysql_error());
    $serow = mysql_fetch_row($sresult);
    $effect = $serow[0];
    $date_start = $serow[1];
    $start_hour = $serow[2];
    $start_min = $serow[3];
    $start_ampm = $serow[4];
    $date_resolved = $serow[5];
    $resolve_hour = $serow[6];
    $resolve_min = $serow[7];
    $resolve_ampm = $serow[8];
    $resolved = $serow[9];
}

$nowquery = "SELECT DATE_FORMAT(NOW(), '%Y-%m-%d'), DATE_FORMAT(NOW(), '%h'), DATE_FORMAT(NOW(), '%i'), DATE_FORMAT(NOW(), '%p')";
$nowresult = mysql_query($nowquery) or die(mysql_error());
$nowrow = mysql_fetch_row($nowresult);

// fill start date and time with current timestamp
if(($effect == "" && ($date_start == "" && ($start_hour == "" && ($start_min == "" || $start_min == 0) && ($start_ampm == "" && ($sfid == 0) || (($resetform == 1) && ($sfid == 0))))){
    $date_start = $nowrow[0];
    $start_hour = $nowrow[1];
    $start_min = $nowrow[2];
    $start_ampm = $nowrow[3];
}

// fill resolve date and time with current date
$date_resolved_t = $nowrow[0];
$resolve_hour_t = $nowrow[1];
$resolve_min_t = $nowrow[2];
if($nowrow[3] == "PM"){
    $resolve_ampm_t = 2;
} else {
    $resolve_ampm_t = 1;
}

if($mactive == 0 || $view == 1 || $sfid == 0){
    $nnext = "style='visibility:hidden'";
}

if($view == 1){
    $edisable = "disabled";
    $vblock = "style='display:none'";
    $vonly = "readonly";
}

if(($dc != "" && $sfid != 0) || ($mactive == 0 && $sfid != 0) || $usr_typ != 'n'){
    $edisable = "disabled";
    $vblock = "style='display:none'";
    $dblock = "style='display:none'";
    $vonly = "readonly";
}

if($resolved == 1){
    $resolve_display = "style='display:block'";
} else {
    $resolve_display = "style='display:none'";
}

// count side effects
$scquery = "SELECT sfid_pk FROM sidefx WHERE mid_fk = $mid";
$scresult = mysql_query($scquery);
$sfxcount = mysql_num_rows($scresult);

if($sfxcount > 0 && $resolved == 0 && ($view != 1 && $mactive != 0 && $dc == "" && $sfid != 0)){
    $effectaction = "<a href='patientdetails.php?pid=" . $pid . "&cid=" . $cid . "#effects'>VIEW ALL EFFECTS</a> | <a href='#onClick='\resolve_row.style.display='block';date_resolved.value=" . $date_resolved_t . "';resolve_hour.selectedIndex=" . $resolve_hour_t . "';resolve_min.selectedIndex=" . $resolve_min_t . "';resolve_ampm.selectedIndex=" . $resolve_ampm_t . "';>MARK AS RESOLVED</a>";
} else if($sfxcount == 0 && $resolved == 0 && ($view != 1 && $mactive != 0 && $dc == "" && $sfid != 0)){
    $effectaction = "<a href='#onClick='\resolve_row.style.display='block';date_resolved.value=" . $date_resolved_t . "';resolve_hour.selectedIndex=" . $resolve_hour_t . "';resolve_min.selectedIndex=" . $resolve_min_t . "';resolve_ampm.selectedIndex=" . $resolve_ampm_t . "';>MARK AS RESOLVED</a>";
} else if($sfxcount > 0){
    $effectaction = "<a href='patientdetails.php?pid=" . $pid . "&cid=" . $cid . "#effects'>VIEW ALL EFFECTS</a>";
}

```



```

        <td><a href='effectdetails.php?sfid=" . $serow[10] . "&view=1'>
    . $serow[3] . "</a></td>
    <td>" . $serow[4] . "</td>
    <td>" . $serow[7] . "</td>
    <td>" . $serow[8] . "</td>
    <td align='center'><a href='patientdetails.php?pid=" . $serow[0] .
"&cid=" . $serow[9] . "#meds">Edit Medication</a></td>
</tr>";
    $i++;
} else {
    $i++;
}
}

```

```

closedb();
?>

```

```

<html>
<head>
<title>POPMS Patients Complaining Side Effects</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<script language="JavaScript" src="include/popmsscript.js"></script>
<link href="include/popmsscscss.css" rel="stylesheet" type="text/css">

<link href="include/default.css" rel="stylesheet" type="text/css"/>
<script language="JavaScript" src="include/prototype.js"> </script>
<script language="JavaScript" src="include/window.js"> </script>
</head>

```

```

<body onLoad="if('<?=$usr_typ?'!='n'){smsMessages();}
searchPatient(); document.getElementById('clock').firstChild.nodeValue
= updateClock();
setInterval('document.getElementById('\clock\').firstChild.nodeValue =
updateClock()', 1000 );">
<? include 'include/header.php'; ?>
<table width="980" border="0">
<tr>
<td colspan="2"><font
class="title">COMPLAINING</font>&nbsp;&nbsp;&nbsp;<font
class="subtitle">PATIENTS</font></td>
</tr>
<tr>
<td colspan="2">&nbsp;&nbsp;&nbsp;</td>
</tr>
<?
if($semex != 0){
?>
<tr>
<td align="left" valign="top" class="notify"><?=$msg?></td>
<td align="right" valign="top" class="notify">Patients&nbsp;&nbsp;&nbsp;<?
=$liststart?><?=$listend?>&nbsp;&nbsp;&nbsp;of&nbsp;&nbsp;&nbsp;<?=$semex?
>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$hasprev?>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$hasnext?></td>
</tr>
<tr>
<td colspan="2">
<table width="976" class="listcontent" cellpadding="0"
cellspacing="0" border="1" bordercolor="#eaeaea">
<tr>
<?
if($ascordesc == "DESC"){
    $ascordesc = "ASC";
} else {
    $ascordesc = "DESC";
}
?>
<td class="listheader"><a href="effects.php?ascordesc=<?
=$ascordesc?>&orderby=1">Patient Name</a></td>
<td class="listheader"><a href="effects.php?ascordesc=<?
=$ascordesc?>&orderby=2">Bed No</a></td>
<td class="listheader"><a href="effects.php?ascordesc=<?
=$ascordesc?>&orderby=3">Side Effect</a></td>
<td class="listheader"><a href="effects.php?ascordesc=<?
=$ascordesc?>">Start</a></td>
<td class="listheader"><a href="effects.php?ascordesc=<?
=$ascordesc?>&orderby=4">Anesthesiologist</a></td>
<td class="listheader"><a href="effects.php?ascordesc=<?
=$ascordesc?>&orderby=5">Assistant</a></td>
<td class="listheader">Action</td>
</tr>
<?=$selist?>
</table></td>
</tr>
<tr>
<td height="27" colspan="2" align="right" valign="top"
class="notify">Patients&nbsp;&nbsp;&nbsp;<?=$liststart?><?=$listend?
>&nbsp;&nbsp;&nbsp;of&nbsp;&nbsp;&nbsp;<?=$semex?>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$hasprev?>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$hasnext?></td>
</tr>
<?
} else {
?>

```

```

<tr rowspan="3">
<td colspan="2" class="error">No patient records found.</td>
</tr>
<?
}
?>
<tr>
<td colspan="2">&nbsp;&nbsp;&nbsp;</td>
</tr>
</table>
<? include 'include/footer.lbi'; ?>
</body>
</html>

```

index.php

```

<?php
// user login

include 'include/configuration.php';
?>
<html>

<head>
<title>POPMS Login</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<script language="JavaScript" src="include/popmsscript.js"></script>
<link href="include/popmsscscss.css" rel="stylesheet" type="text/css"/>
</head>

<body>
<table width="950" border="0" align="center">
<tr>
<td width="472">&nbsp;&nbsp;&nbsp;</td>
<td colspan="4" align="center"></td>
</tr>
<tr>
<td height="1" colspan="5">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td rowspan="8">
<object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash
h/swflash.cab#version=6,0,29,0" width="421" height="394">
<param name="movie" value="images/screen.swf">
<param name="quality" value="high">
<param name="SCALE" value="noborder">
<embed src="images/screen.swf" width="421" height="394"
quality="high"
pluginspage="http://www.macromedia.com/go/getflashplayer"
type="application/x-shockwave-flash"
scale="noborder"></embed></object></td>
<td colspan="4" align="center"></td>
</tr>
<tr>
<td width="164" rowspan="2" align="left"></td>
<td height="71" colspan="2" align="left" valign="bottom"><font
face="Verdana, Arial, Helvetica, sans-serif" size="5"
color="777777"><strong>Login</strong></font></td>
<td width="133" rowspan="2" align="right"></td>
</tr>
<tr>
<td class="error" height="2" colspan="2" align="left"
valign="middle">
<?=$_REQUEST['msg']?>&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td colspan="5" align="center"><form method="post" action="validateuser.php" name="login">
<tr>
<td rowspan="4" align="center"></td>
<td colspan="3" align="left" valign="top">
<font size="-2" face="Verdana, Arial, Helvetica, sans-serif"
color="#FF0000">&nbsp;&nbsp;&nbsp;</font>
<font size="-1" face="Verdana, Arial, Helvetica, sans-
serif">Username:</font></td>
</tr>
<tr>
<td colspan="3" align="left" valign="top">
<font size="-1" face="Verdana, Arial, Helvetica, sans-
serif"><input name="uname" type="text" size="25"
maxlength="25" /></font></td>
</tr>
<tr>
<td colspan="3" align="left" valign="top"><font size="-1"
face="Verdana, Arial, Helvetica, sans-serif">Password:</font></td>
</tr>
<tr>

```



```

        <td class="listheader">Action</td>
      </tr>
      <?=$iplist?>
    </table></td>
  </tr>
  <tr>
    <td height="27" colspan="2" align="right" valign="top"
class="notify">Patients <?=$liststart?><?=$listend?
>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$ipmax?>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$hasprev?>&nbsp;&nbsp;&nbsp;&
&nbsp;&nbsp;&nbsp;<?=$hasnext?></td>
  </tr>
  <?
}else{
?>
<tr rowspan="3">
  <td colspan="2" class="error">No patient records found.</td>
</tr>
  <?
}
?>
<tr>
  <td colspan="2">&nbsp;&nbsp;&nbsp;</td>
</tr>
</table>
<? include 'include/footer.lbi'; ?>
</body>
</html>

```

locationdetails.php

```

<?php
// hospital location details

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

switch($loctype){
  // room
  case 2:
    // checks if the the page needs query
    if(($rnum == "") && ($thisselect == 0) && ($rid != 0)) ||
($resetform == 1) && ($rid != 0)){
      $rquery = "SELECT rid_pk, fno_fk, rnum FROM room WHERE rid_pk
= $rid";
      $rresult = mysql_query($rquery);
      $rrow = mysql_fetch_row($rresult);
      $thisselect = $rrow[1];
      $rnum = $rrow[2];
    }

    // select box of floors (default value is the room floor)
    $fselect = "<select name=\"thisselect\">";
    $fnsquery = "SELECT fno_pk FROM floor ORDER BY fno_pk";
    $fnsresult = mysql_query($fnsquery);

    while($fnsrow = mysql_fetch_array($fnsresult)){
      if($thisselect==$fnsrow[0]){
        $fselect = $fselect . "<option value=" . $fnsrow[0] . " selected
>" . $fnsrow[0] . "</option>";
      }else{
        $fselect = $fselect . "<option value=" . $fnsrow[0] . ">" .
$fnsrow[0] . "</option>";
      }
    }
    $fselect = $fselect . "</select>";

    if($rid != 0){
      $rnquery = "SELECT rid_pk, rnum FROM room WHERE rid_pk =
$rid";
      $rnresult = mysql_query($rnquery);
      $rnrow = mysql_fetch_row($rnresult);

      $blist = "<a href=\"locations.php?loctype=3&rid=" . $rid .
"&rnum=" . $rnrow[1] . "\">View list of beds</a>";
      $delop = "<a href=\"#\"
onClick=\"confirmAction('managelocation.php?rid=" . $rid .
"&del=1&loctype=2', \" . $rnrow[1] . '\")\">DELETE ROOM</a>";
    }

    $thead = "ROOM";
    $inputnme2 = "Room Name:";

```

```

$input2 = "<input name=\"rnum\" type=\"text\" size=\"7\"
maxlength=\"6\" value=\"\". $rnum . \"\">
<input type=\"hidden\" name=\"rid\" value=" . $rid . " />";

break;

// beds
case 3:
  // checks if the the page needs query
  if(($bnum == "") && ($thisselect == 0) && ($rid == 0) && ($bid !
= 0)) || ($resetform == 1) && ($bid != 0)){
    $bquery = "SELECT bid_pk, rid_fk, bnum, rid_pk, mnum, fno_fk
FROM room, bed WHERE bid_pk = $bid AND rid_pk = rid_fk";
    $bresult = mysql_query($bquery);
    $brow = mysql_fetch_row($bresult);
    $thisselect = $brow[5];
    $rid = $brow[3];
    $rnum = $brow[4];
    $bid = $brow[0];
    $bnum = $brow[2];
  }

  $fselect = "<select name=\"thisselect\"
onChange=\"checkType(this, 'locationdetails.php?loctype=3&bid=" .
$bid . "&bnum=" . $bnum . "&rid=" . $rid . "\">";
  $input2 = "<select name=\"rid\">";

  if($thisselect == 0){
    $tsquery = "SELECT MIN(fno_pk) FROM floor";
    $tsresult = mysql_query($tsquery);
    $tsrow = mysql_fetch_row($tsresult);
    $thisselect = $tsrow[0];
  }

  $fnsquery = "SELECT fno_pk FROM floor ORDER BY fno_pk";
  $fnsresult = mysql_query($fnsquery);

  while($fnsrow = mysql_fetch_array($fnsresult)){
    if($fnsrow[0]==$thisselect){
      $fselect = $fselect . "<option value=" . $fnsrow[0] . " selected
>" . $fnsrow[0] . "</option>";
    }else{
      $fselect = $fselect . "<option value=" . $fnsrow[0] . ">" .
$fnsrow[0] . "</option>";
    }
  }
  $fselect = $fselect . "</select>";

  // select box of rooms (default value is the bed room)
  $rnsquery = "SELECT rid_pk, rnum FROM room WHERE fno_fk =
$thisselect AND rstatus != 1 ORDER BY rnum";
  $rnsresult = mysql_query($rnsquery);

  while($rnsrow = mysql_fetch_array($rnsresult)){
    if($rnsrow[0] == $rid){
      $input2 = $input2 . "<option value=" . $rnsrow[0] . " selected
>" . $rnsrow[1] . "</option>";
    }else{
      $input2 = $input2 . "<option value=" . $rnsrow[0] . ">" .
$rnsrow[1] . "</option>";
    }
  }
  $input2 = $input2 . "</select>";

  if($bid != 0){
    $delop = "<a href=\"#\"
onClick=\"confirmAction('managelocation.php?bid=" . $bid .
"&del=1&loctype=3', \" . $bnum . '\")\">DELETE BED</a>";
  }

  $thead = "BED";
  $inputnme2 = "Room No:";
  $inputnme3 = "Bed Name:";
  $input3 = "<input name=\"bnum\" type=\"text\" size=\"9\"
maxlength=\"8\" value=\"\". $bnum . \"\">";

  break;
}

closedb();
?>

<html>
<head>
<title>POPMS Hospital Location</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<script language="javascript" src="include/popmsscript.js"></script>
<link href="include/popmsscss.css" rel="stylesheet" type="text/css">
</head>

```



```

<td>&nbsp;</td>
</tr>
<tr>
<td>&nbsp;</td>
<td colspan="2">
<table width="930" border="1" align="center" cellpadding="0"
cellspacing="0" bordercolor="#eaeaea" class="listcontent">
<?
echo $lothead;
echo $loclist;
?>
</table></td>
<td>&nbsp;</td>
</tr>
<tr>
<td>&nbsp;</td>
<td align="right" valign="bottom" class="notify" colspan="2">
<?
if(($loctype == 2) || ($loctype == 3)){
echo $loctypename?>&nbsp;<?=$liststart?>-<?=$listend?
>&nbsp;<?=$loctype?>&nbsp;<?=$loctype?>&nbsp;<?=$hasprev?>&nbsp;<?=$hasnext?>
&nbsp;<? echo $hasnext;
}
?></td>
<td>&nbsp;</td>
</tr>
<tr>
<td colspan="4">&nbsp;</td>
</tr>
</table>

<? include 'include/footer.lbi';?>
</body>
</html>

```

logout.php

```

<?
// user logout

session_start();

session_unset();
session_destroy();

setcookie("usr_id","");
setcookie("usr_typ","");
setcookie("uname","");
setcookie("sesscookie", "", time()-60000);

$url = "index.php?msg=" . $_REQUEST['msg'];
header("Location: http://". $_SERVER['HTTP_HOST'].
 rtrim(dirname($_SERVER['PHP_SELF']), '\'). "/" . $url);
?>

```

manageassignment.php

```

<?php
// manage nurse assignment schedule

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

extract($_GET);
extract($_POST);

if($dntsubmit == 1){
$url = "assignmentdetails.php";

// delete assignment
}else if($del == 1){
$andelquery = "DELETE FROM anurse WHERE asid_fk = $asid";
$andelresult = mysql_query($andelquery) or die(mysql_error());

$ardelquery = "DELETE FROM aroom WHERE asid_fk = $asid";
$ardelresult = mysql_query($ardelquery) or die(mysql_error());

$adelquery = "DELETE FROM assign WHERE asid_pk = $asid";
$adelresult = mysql_query($adelquery) or die(mysql_error());

$msg = $nwnname . " was deleted.";
$url = "assignments.php";
}else{

// checks form
if($nshift == 0){
$msg = $msg . "Please select nurse shift.";

```

```

}

for($m=1; $m <= $addnmore; $m++){
$nid = "nid" . $m;
if($nid != 0){
$nccheck = 1;
}
}
if($nccheck != 1){
if($msg != ""){
$msg = $msg . "<br />";
}
$msg = $msg . "Please select at least 1 nurse.";
}

for($q = 1; $q <= $addrmore; $q++){
$rid = "rid" . $q;
if($rid != 0){
$rcheck = 1;
}
}
if($rcheck != 1){
if($msg != ""){
$msg = $msg . "<br />";
}
$msg = $msg . "Please select at least 1 room.";
}

switch($nshift){
case 1: $stime = "22:00:01"; $etime = "06:00:00"; break;
case 2: $stime = "06:00:01"; $etime = "14:00:00"; break;
case 3: $stime = "14:00:01"; $etime = "22:00:00"; break;
}

if(($nshift != "") && ($adate != "")){
if($asid != 0){
$wasidcond = "AND asid_pk != $asid";
}

$array = array();
for($w=1; $w <= $addnmore && $anursedup != 1; $w++){
$nid = "nid" . $w;
$nid = $nid;

if($nid != 0){
$asncheckquery = "SELECT asid_pk FROM assign, anurse WHERE
adate = '$sched_date' AND stime = '$stime' AND etime = '$etime'
AND nid_fk = $nid AND asid_pk = asid_fk $wasidcond";
$asncheckresult = mysql_query($asncheckquery);
$asncheckrowcount = mysql_num_rows($asncheckresult);

if($asncheckrowcount != 0){
$anursedup = 1;
}

for($nctr=0; $nctr < count($array); $nctr++){
if($array[$nctr] == $nid){
$anursedup = 1;
}
}
array_push($array, $nid);
}
}

$array = array();
for($x=1; $x <= $addrmore && $aroomdup != 1; $x++){
$rid = "rid" . $x;
$rid = $rid;

if($rid != 0){
$srcheckquery = "SELECT asid_pk FROM assign, aroom WHERE
adate = '$sched_date' AND stime = '$stime' AND etime = '$etime'
AND rid_fk = $rid AND asid_pk = asid_fk $wasidcond";
$srcheckresult = mysql_query($srcheckquery);
$srcheckrowcount = mysql_num_rows($srcheckresult);

if($srcheckrowcount != 0){
$aroomdup = 1;
}

for($rctr=0; $rctr < count($array); $rctr++){
if($array[$rctr] == $rid){
$aroomdup = 1;
}
}

array_push($array, $rid);
}
}

if(($anursedup == 1) || ($aroomdup == 1)){
if($msg != ""){

```

```

    $msg = $msg . "<br />";
}
$msg = $msg . "Duplication of nurse assignment was detected.";
}
}

// if the submitted assignment schedule has no error it is either
updated or added
if($msg == ""){
// if it a new schedule, it is added in the database
if($asid == 0){
$asidquery = "SELECT asid_pk FROM assign ORDER BY asid_pk
ASC";
$asidresult = mysql_query($asidquery);

// search for the lowest available schedule ID
$t = 1;
while(($asidrow = mysql_fetch_array($asidresult)) && ($asid ==
0)){
if($t == $asidrow[0]){
$t++;
}else{
$asid = $t;
}
}

if($asid == 0){
$asid = $t++;
}

$aaddquery = "INSERT INTO assign (asid_pk, adate, stime, etime)
VALUES ($asid, '$sched_date', '$stime', '$etime)";
$aaddresult = mysql_query($aaddquery) or die(mysql_error());

for($xx=1; $xx <= $addnmore; $xx++){
$nid = "nid" . $xx;
$nid = $$nid;

if($nid != 0){
$aaddquery = "INSERT INTO anurse (asid_fk, nid_fk) VALUES
($asid, $nid)";
$aaddresult = mysql_query($aaddquery) or
die(mysql_error());
}
}

for($xy=1; $xy <= $addrmore; $xy++){
$rid = "rid" . $xy;
$rid = $$rid;

if($rid != 0){
$araddquery = "INSERT INTO aroom (asid_fk, rid_fk) VALUES
($asid, $rid)";
$araddresult = mysql_query($araddquery) or die(mysql_error());
}
}

$msg = "Nurse assignment schedule for <a
href=assignmentdetails.php?resetform=1&asid=" . $asid . " >" .
$sched_date . " from " . $stime . " to " . $etime . "</a> was added to
database.";
}else{
// if the assignment is already in the database, the existing account
will be updated
$aupdquery = "UPDATE assign SET adate = '$sched_date', stime =
'$stime', etime = '$etime' WHERE asid_pk = $asid";
$aupdresult = mysql_query($aupdquery) or die(mysql_error());

// list of nurses in the existing schedule will be cleared and the
submitted new list will be inserted in the database
$anupddelquery = "DELETE FROM anurse WHERE asid_fk = $asid";
$anupddelresult = mysql_query($anupddelquery) or
die(mysql_error());
for($xx=1; $xx <= $addnmore; $xx++){
$nid = "nid" . $xx;
$nid = $$nid;

if($nid != 0){
$aupdqquery = "INSERT INTO anurse (asid_fk, nid_fk) VALUES
($asid, $nid)";
$aupdqresult = mysql_query($aupdqquery) or
die(mysql_error());
}
}

// list of rooms in the existing schedule will be cleared and the
submitted new list will be inserted in the database
$arupddelquery = "DELETE FROM aroom WHERE asid_fk = $asid";
$arupddelresult = mysql_query($arupddelquery) or
die(mysql_error());
for($xy=1; $xy <= $addrmore; $xy++){
$rid = "rid" . $xy;
$rid = $$rid;

if($rid != 0){
$araddquery = "INSERT INTO aroom (asid_fk, rid_fk) VALUES
($asid, $rid)";
$araddresult = mysql_query($araddquery) or die(mysql_error());
}
}

$msg = "Nurse assignment schedule for <a
href=assignmentdetails.php?resetform=1&asid=" . $asid . " >" .
$sched_date . " from " . $stime . " to " . $etime . "</a> was updated.";
}

}

closedb();
?>

<html>
<body>

<form method="post" action="<?=$url?>"
name="editedassignform">
<input type="hidden" name="sched_date" value="<?=$sched_date?>" />
<input type="hidden" name="nshift" value="<?=$nshift?>" />
<input type="hidden" name="addnmore" value="<?=$addnmore?>" />
<input type="hidden" name="addrmore" value="<?=$addrmore?>" />
<input type="hidden" name="asfloor" value="<?=$asfloor?>" />
<?
for($n=1; $n <= $addnmore; $n++){
$nid = "nid" . $n;
$nid = $$nid;
?>
<input type="hidden" name="nid<?=$n?>" value="<?=$nid?>" />
<?
}

for($r=1; $r <= $addrmore; $r++){
$rid = "rid" . $r;
$rid = $$rid;
?>
<input type="hidden" name="rid<?=$r?>" value="<?=$rid?>" />
<?
}
?>
<input type="hidden" name="asid" value="<?=$asid?>" />
<input type="hidden" name="msg" value="<?=$msg?>" />
</form>
<script language="javascript">editedassignform.submit();</script>
</body>
</html>

managedischarge.php
<?php
// manages discharge details

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$COOKIE['sesscookie']);
opendb();

$usr_id = $COOKIE['usr_id'];
$usr_typ = $COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

// checks the submitted form
if(($oname == "") || (empty($ddate)) || ($d_hour == "") || ($d_min ==
"") || ($d_ampm == "")){
$msg = "Please fill up the form completely.";
$url = "dischargedetails.php?pid=" . $pid . "&cid=" . $cid;
$$success = 0;
}

// if the submitted form has no error it is either updated or added
if($msg == ""){
// discharge date and time
if($d_ampm == "PM" && $d_hour != 12){
$d_hour = $d_hour + 12;
}
}

```

```

if($d_ampm == "AM" && $d_hour == 12){
    $d_hour = 0;
}
$dc_dt = $ddate . " " . $d_hour . ":" . $d_min . ":00";

$dquery = "UPDATE consultation SET dc_order = '$oname', dc_dt =
'$dc_dt' WHERE cid_pk = $cid";
$dresult = mysql_query($dquery);

if($dresult){
    $success = 1;
    $msg = "Discharge data was updated.";
    $url = "patientdetails.php";
}else{
    $success = 0;
    $msg = "Failed to update discharge details.";
    $url = "dischargedetails.php";
}
$oname = "";
$ddate = "";
$d_hour = "";
$d_min = "";
$d_ampm = "";
}

closedb();
?>

<html>
<body>
<form method="post" action="<?=$url?">
name="editeddischargeform">
<input type="hidden" name="pid" value="<?=$pid?" />
<input type="hidden" name="cid" value="<?=$cid?" />
<input type="hidden" name="msg" value="<?=$msg?" />
<input type="hidden" name="success" value="<?=$success?" />
<input type="hidden" name="oname" value="<?=$oname?" />
<input type="hidden" name="ddate" value="<?=$ddate?" />
<input type="hidden" name="d_hour" value="<?=$d_hour?" />
<input type="hidden" name="d_min" value="<?=$d_min?" />
<input type="hidden" name="d_ampm" value="<?=$d_ampm?"
> />
</form>
<script
language="Javascript">editeddischargeform.submit();</script>
</body>
</html>

```

manageinformation.php

```

<?php
// manages patient's personal information

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

extract($_GET);
extract($_POST);

if($pidadd != ""){
    $ppquery = "SELECT pid_pk FROM patient WHERE pid_pk = $pidadd";
    $ppresult = mysql_query($ppquery);
    $pidcount = mysql_num_rows($ppresult);
}

// the if statements check the submitted account
if(($pidadd == "") || ($fname == "") || ($lname == "") || ($bday == "")
|| ($gender == "")){
    $msg = $msg . "Please fill up the form completely.<br />";
}

if($pidadd != 0){
    if(!is_numeric($pidadd)){
        $msg = $msg . "Invalid hospital number format.<br />";
    }
}

// if the submitted patient information has no error it is either updated
or added
if($msg == ""){
    // the existing record is updated
    $pquery = "UPDATE patient SET fname = '$fname', lname =
'$lname', bday = '$bday', gender = $gender
WHERE pid_pk = $pid";
    $presult = mysql_query($pquery);

    if($presult){

```

```

$success = 1;
$msg = "Patient information was updated.";
$url = "patientdetails.php";
}else{
    $success = 0;
    $msg = "Failed to update patient information.";
    $url = "patientinformation.php";
}

```

```

$piadd = "";
$fname = "";
$mname = "";
$lname = "";
$bday = "";
$gender = "";
}else{
    $success = 0;
    $url = "patientinformation.php";
}

```

```

closedb();
?>

```

```

<html>
<body>
<form method="post" action="<?=$url?">
name="editedpreopform">
<input type="hidden" name="pid" value="<?=$pid?" />
<input type="hidden" name="pi" value="<?=$pi?" />
<input type="hidden" name="pidadd" value="<?=$pidadd?" />
<input type="hidden" name="fname" value="<?=$fname?" />
<input type="hidden" name="mname" value="<?=$mname?" />
<input type="hidden" name="lname" value="<?=$lname?" />
<input type="hidden" name="bday" value="<?=$bday?" />
<input type="hidden" name="gender" value="<?=$gender?" />
<input type="hidden" name="success" value="<?=$success?" />
<input type="hidden" name="msg" value="<?=$msg?" />
<input type="hidden" name="msgcss" value="<?=$msgcss?" />
</form>
<script language="Javascript">editedpreopform.submit();</script>
</body>
</html>

```

managelocation.php

```

<?php
// manage hospital locations

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

extract($_GET);
extract($_POST);

switch($loctype){
    case 2:
        if($del == 1)
        {
            $delbquery = "UPDATE bed SET bstatus = 1 where rid_fk = '$rid'";
            $delbresult = mysql_query($delbquery) or die(mysql_error());

            $delquery = "UPDATE room SET rstatus = 1 where rid_pk = '$rid'";
            $delresult = mysql_query($delquery) or die(mysql_error());

            $msg = "Room " . $nwnname . " deleted from database.";
            $url = "locations.php";
            $msgcss = "notify";
        }
        else
        {
            $rnquery = "SELECT fno_fk, rnum, rid_pk FROM room where rnum
= '$rnum' AND fno_fk = $thisselect";
            $rnresult = mysql_query($rnquery);
            $rnrow = mysql_fetch_row($rnresult);

            if(($rnrow != 0) && ($rnrow[2] != $rid))
            {
                $msg = "Room " . $rnum . " already exist.";
            }

            if( $rnum == "" )
            {
                $msg = "Please fill up the form completely.";
            }

            if( $msg != "" )
            {

```

```

$url = "locationdetails.php";
$msgcss = "error";
}
else
{
if($rid == 0)
{
$ridquery = "SELECT rid_pk FROM room ORDER BY rid_pk ASC";
$ridresult = mysql_query($ridquery);

// search for the lowest available room ID
$i = 1;
while($ridrow = mysql_fetch_array($ridresult))
{
if($i == $ridrow[0])
{
$i++;
}
else
{
$rid = $i;
}
}

if ($rid == 0)
{
$rid = $i++;
}

$raddquery = "INSERT INTO room (rid_pk, fno_fk, rnum,
rstatus) VALUES ('$rid', '$thisselect', '$rnum', 0)";
$raddresult = mysql_query($raddquery) or die(mysql_error());

$msg = "New room <a href=locationdetails.php?
loctype=2&rid=" . $rid . ">" . $rnum . "</a> added to database.";
$url = "locations.php";
$msgcss = "notify";
}
else
{
$upquery = "UPDATE room SET fno_fk = '$thisselect', rnum =
'$rnum' where rid_pk = '$rid'";
$upresult = mysql_query($upquery) or die(mysql_error());

$msg = "Room <a href=locationdetails.php?loctype=2&rid=" .
$rid . ">" . $rnum . "</a> was successfully updated.";
$url = "locations.php";
$msgcss = "notify";
}
}
}

break;

case 3:
if($del == 1)
{
$delquery = "UPDATE bed SET bstatus = 1 where bid_pk = '$bid'";
$delresult = mysql_query($delquery) or die(mysql_error());

$msg = "Bed " . $nname . " deleted from database.";
$url = "locations.php";
$msgcss = "notify";
}
else
{
$bnquery = "SELECT rid_fk, bnum, bid_pk FROM bed where bnum
= '$bnum' AND rid_fk = $rid AND bstatus != 1";
$bnresult = mysql_query($bnquery);
$bnrow = mysql_fetch_row($bnresult);

if(($bnrow != 0) && ($bnrow[2] != $bid))
{
$msg = "Bed " . $bnum . " already exist.";
}

if( $bnum == "" )
{
$msg = "Please fill up the form completely.";
}

if( $msg != "" )
{
$url = "locationdetails.php";
$msgcss = "error";
}
else
{
$rbquery = "SELECT rid_pk, rnum FROM room WHERE rid_pk =
$rid";
$rbresult = mysql_query($rbquery);
$rbrow = mysql_fetch_row($rbresult);

$rnnum = $rbrow[1];

if($bid == 0)
{
$bidquery = "SELECT bid_pk FROM bed ORDER BY bid_pk ASC";
$bidresult = mysql_query($bidquery);

// search for the lowest available bed ID
$i = 1;
while($bidrow = mysql_fetch_array($bidresult))
{
if($i == $bidrow[0])
{
$i++;
}
else
{
$bid = $i;
}
}

if ($bid == 0)
{
$bid = $i++;
}

$baddquery = "INSERT INTO bed (bid_pk, rid_fk, bnum, bstatus)
VALUES ('$bid', '$rid', '$bnum', 0)";
$baddresult = mysql_query($baddquery) or die(mysql_error());

$msg = "New bed <a href=locationdetails.php?
loctype=3&bid=" . $bid . "&rid=" . $rid . "thisselect=" . $thisselect .
"&resetform=1>" . $bnum . "</a> added to database.";
$url = "locations.php";
$msgcss = "notify";
}
else
{
$upquery = "UPDATE bed SET rid_fk = $rid, bnum = '$bnum'
where bid_pk = '$bid'";
$upresult = mysql_query($upquery) or die(mysql_error());

$msg = "Bed <a href=locationdetails.php?loctype=3&bid=" .
$bid . "&rid=" . $rid . "thisselect=" . $thisselect . "&resetform=1>" .
$bnum . "</a> was successfully updated.";
$url = "locations.php";
$msgcss = "notify";
}
}
}
break;
}
}

?>

<html>
<body>
<form method="post" action="<? echo $url ?>"
name="editedlocform">
<input type="hidden" name="loctype" value="<? echo $loctype ?>" />
<input type="hidden" name="thisselect" value="<? echo
$thisselect ?>" />
<input type="hidden" name="rid" value="<? echo $rid ?>" />
<input type="hidden" name="thisselect" value="<? echo
$thisselect ?>" />
<input type="hidden" name="bid" value="<? echo $bid ?>" />
<input type="hidden" name="bnum" value="<? echo $bnum ?>" />
<input type="hidden" name="rnum" value="<? echo $rnum ?>" />
<input type="hidden" name="msg" value="<? echo $msg ?>" />
<input type="hidden" name="msgcss" value="<? echo $msgcss ?>" />
>" />
</form>
<script language="JavaScript">editedlocform.submit();</script>
</body>
</html>

managemonitoring.php
<?php
// manages monitoring details

include 'include/configuration.php';
include 'include/popmsfunctions.php';
include 'include/popmssms.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

```

```

extract($_GET);
extract($_POST);

if($mid == 0){
  if($paid != 0){
    $midquery = "SELECT mid_fk FROM pain WHERE paid_pk = $paid";
    $midresult = mysql_query($midquery);
    $midrow = mysql_fetch_row($midresult);
    $mid = $midrow[0];
  }else if($sfid != 0){
    $midquery = "SELECT mid_fk FROM sidefx WHERE sfid_pk = $sfid";
    $midresult = mysql_query($midquery);
    $midrow = mysql_fetch_row($midresult);
    $mid = $midrow[0];
  }else if($medid != 0){
    $midquery = "SELECT mid_fk FROM medication WHERE medid_pk = $medid";
    $midresult = mysql_query($midquery);
    $midrow = mysql_fetch_row($midresult);
    $mid = $midrow[0];
  }
}

$query = "SELECT CONCAT(fname, ' ', lname), aid_fk as aid, (SELECT
celno FROM user WHERE uid_pk = aid), aassist_fk as aassist, CASE
WHEN (aassist_fk = 0) OR (DATE_FORMAT(NOW(), '%H') < 8) THEN
(SELECT celno FROM user WHERE uid_pk = 2) WHEN (16 <
DATE_FORMAT(NOW(), '%H')) THEN (SELECT celno FROM user WHERE
uid_pk = 2) ELSE (SELECT celno FROM user WHERE uid_pk = aassist)
END, CASE WHEN (SELECT out_dt = '0000-00-00 00:00:00' FROM rr
where mid_fk = $mid) THEN 0 ELSE 1 END, mactive FROM patient,
consultation, preop, postop, management WHERE pid_pk = pid_fk AND
cid_pk = preop.cid_fk AND cid_pk = postop.cid_fk AND cid_pk =
management.cid_fk AND mid_pk = $mid";

$result = mysql_query($query);
$row = mysql_fetch_row($result);
$name = $row[0];
$anescelno = $row[2];
$aassistcelno = $row[4];
$mstart = $row[5];
$monitoract = $row[6];

//add or edit medication details
if($save_med == 1){
  // checks the submitted form
  if(($mname == "") || (empty($sdate)) || ($s_hour == "") || ($s_min
== "") || ($s_ampm == "") || ($dose == "") || ($freq_hour == "") ||
($freq_min == "") || ($oid == 0)){
    $msg = "Please fill up the form completely.";
    $url = "medicationdetails.php";
    $success = 0;
  }

  // if the submitted form has no error it is either updated or added
  if($msg == ""){
    // medication start
    if($s_ampm == "PM" && $s_hour != 12){
      $s_hour = $s_hour + 12;
    }
    if($s_ampm == "AM" && $s_hour == 12){
      $s_hour = 0;
    }
    $med_start = $sdate . " " . $s_hour . " " . $s_min . ":00";

    // frequency of visit
    $med_freq = $freq_hour . " " . $freq_min . ":00";

    // if it is a new medication, it is added in the database
    if($medid == 0){
      $medidquery = "SELECT medid_pk FROM medication ORDER BY
medid_pk ASC";
      $medidresult = mysql_query($medidquery);

      // search for the lowest available medication ID
      $i = 1;
      while(($medidrow = mysql_fetch_array($medidresult)) && ($medid
== 0)){
        if($i == $medidrow[0]){
          $i++;
        }else{
          $medid = $i;
        }
      }

      if($medid == 0){
        $medid = $i++;
      }

      $mquery = "INSERT INTO medication (medid_pk, mid_fk, oid_fk,
med_name, med_dose, med_freq, med_start, med_end) VALUES
($medid, $mid, $oid, '$mname', '$dose', '$med_freq', '$med_start', 0)";
    }

    $mresult = mysql_query($mquery);

    if($mresult){
      $success = 1;
      $msg = "Medication added to database.";
      $url = "patientdetails.php";
    }else{
      $medid = 0;
      $success = 0;
      $msg = "Failed to add medication.";
      $msgcss = "error";
      $url = "medicationdetails.php";
    }
  }else{
    // if the medication is already in the database, the existing data will
    be updated
    $mquery = "UPDATE medication SET oid_fk = $oid, med_name =
'$mname', med_dose = '$dose', med_freq = '$med_freq', med_start =
'$med_start' WHERE medid_pk = $medid";
    $mresult = mysql_query($mquery);

    if($mresult){
      $success = 1;
      $msg = "Medication details was updated.";
      $url = "patientdetails.php";
    }else{
      $success = 0;
      $msg = "Failed to update medication.";
      $msgcss = "error";
      $url = "medicationdetails.php";
    }
  }

  if($change_co == 1){
    $coquery = "UPDATE carryout SET oid_fk = $oid, med_name =
'$mname', med_dose = '$dose' WHERE medid_fk = $medid";
    $coresult = mysql_query($coquery);

    if($coresult){
      $success = 1;
      $msg = $msg . "<br/>Carried out medication details was
updated.";
      $url = "patientdetails.php";
    }else{
      $success = 0;
      $msg = $msg . "<br/>Failed to update carried out medication.";
      $msgcss = "error";
      $url = "medicationdetails.php";
    }
  }

  if($success == 1 && $mstart == 1 && $monitoract == 1){
    connect_gammu();
    $hmquery = "DELETE FROM outbox WHERE CreatorID LIKE
'$mid:order%'";
    $hmresult = mysql_query($hmquery);
    closedb();
  }

  $mname = "";
  $sstart = "";
  $s_hour = "";
  $s_min = "";
  $s_ampm = "";
  $dose = "";
  $freq_hour = "";
  $freq_min = "";
  $oid = "";
}

//stop medication
if($stop_med == 1){
  $smedquery = "UPDATE medication SET med_end=1 where medid_pk
= $medid";
  $smedresult = mysql_query($smedquery);

  if($smedresult){
    $success = 1;
    $msg = "Medication of <a href=patientdetails.php?pid=" . $pid .
"&cid=" . $cid . ">" . $pname . "</a>, <a href=medicationdetails.php?
medid=" . $medid . "&view=1>" . $med . " (" . $dose . ")</a>, has
ended.";
  }else{
    $success = 0;
    $msg = "Failed to stop medication of <a href=patientdetails.php?
pid=" . $pid . "&cid=" . $cid . ">" . $pname . "</a>, <a
href=medicationdetails.php?medid=" . $medid . "&view=1>" . $med .
" (" . $dose . ")</a>.";
    $msgcss = "error";
  }
}

```



```

$url = $urlfrom;
}

//add or edit given medication details
if($save_given == 1){
    // checks the submitted form
    if(($mname == "" || ($dose == "" || ($oid == 0 || (empty($gdate)
|| ($g_hour == "" || ($g_min == "" || ($g_ampm == "" || ($nid == 0))
{
    $msg = "Please fill up the form completely.";
    $url = "carryoutdetails.php";
    $success = 0;
}

// if the submitted form has no error it is either updated or added
if($msg == ""){
    // medication was given
    if($g_ampm == "PM" && $g_hour != 12){
        $g_hour = $g_hour + 12;
    }
    if($g_ampm == "AM" && $g_hour == 12){
        $g_hour = 0;
    }
    $given_dt = $gdate . " " . $g_hour . ":" . $g_min . ":00";

    $csquery = "SELECT CASE WHEN NOT EXISTS(SELECT medid_fk
FROM medication, carryout WHERE medid_pk = medid_fk AND
medid_pk = $medid) THEN med_start ELSE ADDTIME((SELECT
MAX(given_dt) FROM carryout WHERE medid_fk=$medid), med_freq)
END FROM medication, carryout WHERE CASE WHEN NOT
EXISTS(SELECT medid_fk FROM medication, carryout WHERE medid_pk
= medid_fk AND medid_pk = $medid) THEN 1 ELSE medid_pk =
medid_fk END AND medid_pk = $medid";
    $csresult = mysql_query($csquery);
    $csrow = mysql_fetch_row($csresult);

    // if it is a new entry, it is added in the database
    if($coid == 0){
        $coidquery = "SELECT coid_pk FROM carryout ORDER BY coid_pk
ASC";
        $coidresult = mysql_query($coidquery);

        // search for the lowest available carried out medication ID
        $i = 1;
        while(($coidrow = mysql_fetch_array($coidresult)) && ($coid ==
0)){
            if($i == $coidrow[0]){
                $i++;
            }else{
                $coid = $i;
            }
        }

        if($coid == 0){
            $coid = $i++;
        }

        $coquery = "INSERT INTO carryout (coid_pk, nid_fk, oid_fk,
medid_fk, med_name, med_dose, sched_dt, given_dt) VALUES ($coid,
$nid, $oid, $medid, '$mname', '$dose', '$csrow[0]', '$given_dt')";
        $coresult = mysql_query($coquery);

        if($coresult){
            $success = 1;
            $msg = "Carried out medication added to database.";
            $url = "patientdetails.php";
        }else{
            $coid = 0;
            $success = 0;
            $msg = "Failed to add carried out medication.";
            $msgcss = "error";
            $url = "carryoutdetails.php";
        }
    }else{
        // if it is already in the database, the existing data will be updated
        $coquery = "UPDATE carryout SET nid_fk = $nid, oid_fk = $oid,
med_name = '$mname', med_dose = '$dose', given_dt = '$given_dt'
WHERE coid_pk = $coid";
        $coresult = mysql_query($coquery);

        if($coresult){
            $success = 1;
            $msg = "Carried out medication details was updated.";
            $url = "patientdetails.php";
        }else{
            $success = 0;
            $msg = "Failed to update carried out medication.";
            $msgcss = "error";
            $url = "carryoutdetails.php";
        }
    }
}

$mname = "";
$dose = "";
$oid = "";
$gdate = "";
$g_hour = "";
$g_min = "";
$g_ampm = "";
$nid = "";
}

//add or edit pain score details
if($save_pain == 1){
    // checks the submitted form
    if((empty($pain_date) || ($pain_hour == "" || ($pain_min == "" ||
($pain_ampm == ""))){
        $msg = "Please fill up the form completely.";
        $url = "paindetails.php";
        $success = 0;
    }

    // if the submitted form has no error it is either updated or added
    if($msg == ""){
        // pain score timestamp
        if($pain_ampm == "PM" && $pain_hour != 12){
            $pain_hour = $pain_hour + 12;
        }
        if($pain_ampm == "AM" && $pain_hour == 12){
            $pain_hour = 0;
        }
        $pain_dt = $pain_date . " " . $pain_hour . ":" . $pain_min . ":00";

        // if it is a new pain score, it is added in the database
        if($paid == 0){
            $paidquery = "SELECT paid_pk FROM pain ORDER BY paid_pk
ASC";
            $paidresult = mysql_query($paidquery);

            // search for the lowest available pain score ID
            $i = 1;
            while(($paidrow = mysql_fetch_array($paidresult)) && ($paid ==
0)){
                if($i == $paidrow[0]){
                    $i++;
                }else{
                    $paid = $i;
                }
            }

            if($paid == 0){
                $paid = $i++;
            }

            $ppquery = "INSERT INTO pain (paid_pk, mid_fk, score, pain_dt)
VALUES ($paid, $mid, $score, '$pain_dt')";
            $presult = mysql_query($ppquery);

            if($presult){
                $success = 1;
                $msg = "Pain score added to database.";
                $url = "patientdetails.php";
            }else{
                $paid = 0;
                $success = 0;
                $msg = "Failed to add pain score.";
                $msgcss = "error";
                $url = "paindetails.php";
            }
        }else{
            // if the pain score is already in the database, the existing data will
            // be updated
            $ppquery = "UPDATE pain SET score = $score, pain_dt = '$pain_dt'
WHERE paid_pk = $paid";
            $presult = mysql_query($ppquery);

            if($presult){
                $success = 1;
                $msg = "Pain score details was updated.";
                $url = "patientdetails.php";
            }else{
                $success = 0;
                $msg = "Failed to update pain score.";
                $msgcss = "error";
                $url = "paindetails.php";
            }
        }
    }

    if($success == 1 && $score > 4 && $mstart == 1 && $monitoract
== 1){
        connect_gammu();
        $hmquery = "DELETE FROM outbox WHERE CreatorID =
'$mid:orderpain'";
    }
}

```

```

$hmresult = mysql_query($hmquery);
closedb();

$txtstart = date('Y-m-d H:i:s');
$txtmsg = "POPMS: $pname has a pain score of $score. Please reply to this message or edit the medication of the patient. To reply, text OR $mid <message> u:<username> p:<password>. Ex: OR $mid Diazepam 6mg every 4hrs u:cvbayot p:mypass123";

if($anescelno != ""){
  for($i = 0; $i < 3; $i++){
    if($i == 0){
      $schedsms = send_sms($anescelno, $txtstart, $txtmsg, $def_coding, $mid."orderpain");
    }else{
      $mmquery = "SELECT ADDTIME('$txtstart','00:05:00')";
      $mmresult = mysql_query($mmquery);
      $mmsg = mysql_fetch_row($mmresult);
      $txtstart = $mmsg[0];
      $schedsms = send_sms($anescelno, $txtstart, $txtmsg, $def_coding, $mid."orderpain");
    }
  }
  $mmquery = "SELECT ADDTIME('$txtstart','00:05:00')";
  $mmresult = mysql_query($mmquery);
  $mmsg = mysql_fetch_row($mmresult);
  $txtstart = $mmsg[0];
}

if($assistcelno != ""){
  for($i = 0; $i < 3; $i++){
    if($i == 0){
      $schedsms = send_sms($assistcelno, $txtstart, $txtmsg, $def_coding, $mid."orderpain");
    }else{
      $mmquery = "SELECT ADDTIME('$txtstart','00:05:00')";
      $mmresult = mysql_query($mmquery);
      $mmsg = mysql_fetch_row($mmresult);
      $txtstart = $mmsg[0];
      $schedsms = send_sms($assistcelno, $txtstart, $txtmsg, $def_coding, $mid."orderpain");
    }
  }
  $mmquery = "SELECT ADDTIME('$txtstart','00:05:00')";
  $mmresult = mysql_query($mmquery);
  $mmsg = mysql_fetch_row($mmresult);
  $txtstart = $mmsg[0];
}

closedb();
}

$pain_date = "";
$pain_hour = "";
$pain_min = "";
$pain_ampm = "";
$score = "";
}

//add or edit side effect details
if($save_effect == 1){
  // checks the submitted form
  if(($effect == "" ) || (empty($date_start)) || ($start_hour == "" ) || ($start_ampm == "")){
    $msg = "Please fill up the form completely.";
    $msgcss = "error";
    $url = "effectdetails.php";
    $success = 0;
  }
  if(!empty($date_resolved) || ($resolve_hour != "" ) || ($resolve_ampm != "")){
    if(($effect == "" ) || (empty($date_start)) || ($start_hour == "" ) || ($start_ampm == "" ) || (empty($date_resolved)) || ($resolve_hour == "" ) || ($resolve_ampm == "")){
      $msg = "Please fill up the form completely.";
      $msgcss = "error";
      $url = "effectdetails.php";
      $success = 0;
    }
  }
}

// if the submitted form has no error it is either updated or added
if($msg == ""){
  // date and time the side effect started
  if($start_ampm == "PM" && $start_hour != 12){
    $start_hour = $start_hour + 12;
  }
  if($start_ampm == "AM" && $start_hour == 12){
    $start_hour = 0;
  }
  $sfstart = $date_start . " " . $start_hour . " " . $start_min . ":00";

  // date and time the side effect was resolved
  if($resolve_ampm == "PM" && $resolve_hour != 12){
    $resolve_hour = $resolve_hour + 12;
  }
  if($resolve_ampm == "AM" && $resolve_hour == 12){
    $resolve_hour = 0;
  }
  $sfend = $date_resolved . " " . $resolve_hour . " " . $resolve_min . ":00";

  // if it is a new side effect, it is added in the database
  if($sfid == 0){
    $sfidquery = "SELECT sfid_pk FROM sidefx ORDER BY sfid_pk ASC";
    $sfidresult = mysql_query($sfidquery);

    // search for the lowest available side effect ID
    $i = 1;
    while(($sfidrow = mysql_fetch_array($sfidresult)) && ($sfid == 0))
    {
      if($i == $sfidrow[0]){
        $i++;
      }else{
        $sfid = $i;
      }
    }

    if($sfid == 0){
      $sfid = $i++;
    }

    $squery = "INSERT INTO sidefx (sfid_pk, mid_fk, sfname, sfstart, sfend) VALUES ($sfid, $mid, '$effect', '$sfstart', '$sfend')";
    $sresult = mysql_query($squery);

    if($sresult){
      $success = 1;
      $msg = "Side effect added to database.";
      $url = "patientdetails.php";
    }else{
      $sfid = 0;
      $success = 0;
      $msg = "Failed to add side effect.";
      $msgcss = "error";
      $url = "effectdetails.php";
    }
  }else{
    // if the side effect is already in the database, the existing data will be updated
    $squery = "UPDATE sidefx SET sfname = '$effect', sfstart = '$sfstart', sfend = '$sfend' WHERE sfid_pk = $sfid";
    $sresult = mysql_query($squery);

    if($sresult){
      $success = 1;
      $msg = "Side effect details was updated.";
      $url = "patientdetails.php";
    }else{
      $success = 0;
      $msg = "Failed to update side effect details.";
      $msgcss = "error";
      $url = "effectdetails.php";
    }
  }

  if($success == 1 && $resolve_hour != ""){
    connect_gammu();
    $hmquery = "DELETE FROM outbox WHERE CreatorID = '$mid:ordersfx:$sfid'";
    $hmresult = mysql_query($hmquery);
    closedb();
  }else if($success == 1 && $mstart == 1 && $monitoract == 1){
    connect_gammu();
    $hmquery = "DELETE FROM outbox WHERE CreatorID = '$mid:ordersfx:$sfid'";
    $hmresult = mysql_query($hmquery);
    closedb();
  }

  $txtstart = date('Y-m-d H:i:s');
  $txtmsg = "POPMS: $pname is experiencing a side effect ($effect). Please reply to this message or edit the medication of the patient. To reply, text OR $mid <message> u:<username> p:<password>. Ex: OR $mid Diazepam 6mg every 4hrs u:cvbayot p:mypass123";

  if($anescelno != ""){
    for($i = 0; $i < 3; $i++){
      if($i == 0){
        $schedsms = send_sms($anescelno, $txtstart, $txtmsg, $def_coding, $mid."ordersfx:$sfid");
      }else{
        $mmquery = "SELECT ADDTIME('$txtstart','00:05:00')";
        $mmresult = mysql_query($mmquery);
        $mmsg = mysql_fetch_row($mmresult);
      }
    }
  }
}

```

```

$txtstart = $mmsg[0];
    $schedsms = send_sms($anescelno, $txtstart, $txtmgs,
$def_coding, $mid.".ordersfx:". $sfid);
    }
    }
    $mmquery = "SELECT ADDTIME('$txtstart','00:05:00')";
    $mmresult = mysql_query($mmquery);
    $mmsg = mysql_fetch_row($mmresult);
    $txtstart = $mmsg[0];
}

if($assistcelno != ""){
    for($i = 0; $i < 3; $i++){
        if($i == 0){
            $schedsms = send_sms($assistcelno, $txtstart, $txtmgs,
$def_coding, $mid.".ordersfx:". $sfid);
        }else{
            $mmquery = "SELECT ADDTIME('$txtstart','00:05:00')";
            $mmresult = mysql_query($mmquery);
            $mmsg = mysql_fetch_row($mmresult);
            $txtstart = $mmsg[0];
            $schedsms = send_sms($assistcelno, $txtstart, $txtmgs,
$def_coding, $mid.".ordersfx:". $sfid);
        }
        }
        $mmquery = "SELECT ADDTIME('$txtstart','00:05:00')";
        $mmresult = mysql_query($mmquery);
        $mmsg = mysql_fetch_row($mmresult);
        $txtstart = $mmsg[0];
    }

    closedb();
}
$effect = "";
$date_start = "";
$start_hour = "";
$start_min = "";
$start_ampm = "";
$date_resolved = "";
$resolve_hour = "";
$resolve_min = "";
$resolve_ampm = "";
}

//stop monitoring of patient
if($stop_monitor == 1){
    $medquery = "UPDATE medication SET med_end=1 WHERE mid_fk =
$mid";
    $medresult = mysql_query($medquery);

    $smquery = "UPDATE management SET mactive=0,
end_dt=DATE_FORMAT(NOW(), '%Y-%m-%d %H:%i:%s') where mid_pk
= $mid";
    $smresult = mysql_query($smquery);

    if($smresult){
        $success = 1;
        $msg = "Monitoring of <a href=patientdetails.php?pid=" . $pid .
"&cid=" . $cid . "> . $pname . "</a> was stopped.";
    }else{
        $success = 0;
        $msg = "Failed to stop monitoring of <a href=patientdetails.php?
pid=" . $pid . "&cid=" . $cid . "> . $pname . "</a>.";
        $msgcss = "error";
    }
}

if($success == 1){
    connect_gammu();
    $hmquery = "DELETE FROM outbox WHERE CreatorID LIKE 'mid:%'";
    $hmresult = mysql_query($hmquery);
    closedb();
}

$url = $urlfrom;
}

closedb();
?>

<html>
<body>
<form method="post" action="<?=$url?>"
name="editedmonitoringform">
    <input type="hidden" name="pid" value="<?=$pid?>" />
    <input type="hidden" name="cid" value="<?=$cid?>" />
    <input type="hidden" name="mid" value="<?=$mid?>" />
    <input type="hidden" name="medid" value="<?=$medid?>" />
    <input type="hidden" name="coid" value="<?=$coid?>" />
    <input type="hidden" name="msg" value="<?=$msg?>" />
    <input type="hidden" name="success" value="<?=$success?>" />
    <input type="hidden" name="mend" value="<?=$mend?>" />
    <input type="hidden" name="nextint" value="<?=$nextint?>" />
    <input type="hidden" name="givetime" value="<?=$givetime?
>" />
    <input type="hidden" name="dc" value="<?=$dc?>" />
    <input type="hidden" name="mactive" value="<?=$mactive?
>" />
    <input type="hidden" name="mname_orig" value="<?
=$mname_orig?>" />
    <input type="hidden" name="dose_orig" value="<?=$dose_orig?
>" />
    <input type="hidden" name="mname" value="<?=$mname?>" />
    <input type="hidden" name="sdate" value="<?=$sdate?>" />
    <input type="hidden" name="s_hour" value="<?=$s_hour?>" />
    <input type="hidden" name="s_min" value="<?=$s_min?>" />
    <input type="hidden" name="s_ampm" value="<?=$s_ampm?
>" />
    <input type="hidden" name="dose" value="<?=$dose?>" />
    <input type="hidden" name="freq_hour" value="<?=$freq_hour?>" />
    <input type="hidden" name="freq_min" value="<?=$freq_min?
>" />
    <input type="hidden" name="oid" value="<?=$oid?>" />
    <input type="hidden" name="gdate" value="<?=$gdate?>" />
    <input type="hidden" name="g_hour" value="<?=$g_hour?>" />
    <input type="hidden" name="g_min" value="<?=$g_min?>" />
    <input type="hidden" name="g_ampm" value="<?=$g_ampm?
>" />
    <input type="hidden" name="nid" value="<?=$nid?>" />
    <input type="hidden" name="paid" value="<?=$paid?>" />
    <input type="hidden" name="pain_date" value="<?=$pain_date?>" />
    <input type="hidden" name="pain_hour" value="<?=$pain_hour?
>" />
    <input type="hidden" name="pain_min" value="<?=$pain_min?
>" />
    <input type="hidden" name="pain_ampm" value="<?
=$pain_ampm?>" />
    <input type="hidden" name="score" value="<?=$score?>" />
    <input type="hidden" name="sfid" value="<?=$sfid?>" />
    <input type="hidden" name="effect" value="<?=$effect?>" />
    <input type="hidden" name="date_start" value="<?=$date_start?
>" />
    <input type="hidden" name="start_hour" value="<?=$start_hour?
>" />
    <input type="hidden" name="start_min" value="<?=$start_min?
>" />
    <input type="hidden" name="start_ampm" value="<?
=$start_ampm?>" />
    <input type="hidden" name="date_resolved" value="<?
=$date_resolved?>" />
    <input type="hidden" name="resolve_hour" value="<?
=$resolve_hour?>" />
    <input type="hidden" name="resolve_min" value="<?
=$resolve_min?>" />
    <input type="hidden" name="resolve_ampm" value="<?
=$resolve_ampm?>" />
    <input type="hidden" name="resolved" value="<?=$resolved?
>" />
</form>
<script
language="Javascript">editedmonitoringform.submit();</script>
</body>
</html>

```

managepostop.php

```

<?php
// manages post operation data

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

// checks the submitted form
if((empty($ordate)) || ($ors_hour == "") || ($ors_min == "") ||
($ors_ampm == "") || ($ore_hour == "") || ($ore_min == "") ||
($ore_ampm == "") || ($sproc == "") || ($aness_hour == ""))

```

```

($aness_min == "") || ($aness_ampm == "") || ($anese_hour == "") ||
($anese_min == "") || ($anese_ampm == "") || ($atype == "") ||
($aagent == "")){
    $msg = "Please fill up the form completely.";
    $url = "postopdata.php?pid=" . $pid . "&cid=" . $cid . "&poid=" .
$poid;
    $success = 0;
}

// if the submitted form has no error it is either updated or added
if($msg == ""){
    // or start
    if($ors_ampm == "PM" && $ors_hour != 12){
        $ors_hour = $ors_hour + 12;
    }
    if($ors_ampm == "AM" && $ors_hour == 12){
        $ors_hour = 0;
    }
    $or_st = $ors_hour . ":" . $ors_min . ":00";

    // or end
    if($ore_ampm == "PM" && $ore_hour != 12){
        $ore_hour = $ore_hour + 12;
    }
    if($ore_ampm == "AM" && $ore_hour == 12){
        $ore_hour = 0;
    }
    $or_et = $ore_hour . ":" . $ore_min . ":00";

    // anesthesia start
    if($aness_ampm == "PM" && $aness_hour != 12){
        $aness_hour = $aness_hour + 12;
    }
    if($aness_ampm == "AM" && $aness_hour == 12){
        $aness_hour = 0;
    }
    $anes_st = $aness_hour . ":" . $aness_min . ":00";

    // anesthesia end
    if($anese_ampm == "PM" && $anese_hour != 12){
        $anese_hour = $anese_hour + 12;
    }
    if($anese_ampm == "AM" && $anese_hour == 12){
        $anese_hour = 0;
    }
    $anes_et = $anese_hour . ":" . $anese_min . ":00";

    // asa
    if($asae == 'E'){
        $asa_t = $asa . 'E';
    }else{
        $asa_t = $asa;
    }

    // anesthesia assistant
    if($aassist == ""){
        $aassist = 0;
    }

    // if it is a new postop data, it is added in the database
    if($poid == 0){
        $poidquery = "SELECT poid_pk FROM postop ORDER BY poid_pk
ASC";
        $poidresult = mysql_query($poidquery);

        // search for the lowest available postop ID
        $i = 1;
        while(($poidrow = mysql_fetch_array($poidresult)) && ($poid == 0))
        {
            if($i == $poidrow[0]){
                $i++;
            }else{
                $poid = $i;
            }
        }

        if($poid == 0){
            $poid = $i++;
        }

        $poquery = "INSERT INTO postop (poid_pk, cid_fk, aassist_fk, ordate,
sassist, sproc, mal, asa, anestype, anesagent, or_st, or_et, anes_st,
'mal', '$asa_t', '$atype', '$aagent', '$or_st', '$or_et', '$anes_st',
'$anes_et')";
        $poresult = mysql_query($poquery);

        if($poresult){
            $success = 1;
            $msg = "Post-operation data added to database.";
            $url = "patientdetails.php";
        }else{
            $poid = 0;
            $success = 0;
            $msg = "Failed to add post-operation data.";
            $msgcss = "error";
            $url = "postopdata.php";
        }
    }else{
        // if the postop data is already in the database, the existing data will
        be updated
        $poquery = "UPDATE postop SET aassist_fk = $aassist, ordate =
'$ordate', sassist = '$sassist', sproc = '$sproc', mal = '$mal', asa =
'$asa_t', anestype = '$atype', anesagent = '$aagent', or_st = '$or_st',
or_et = '$or_et', anes_st = '$anes_st', anes_et = '$anes_et' where
poid_pk = $poid";
        $poresult = mysql_query($poquery);

        if($poresult){
            $success = 1;
            $msg = "Post-operation data was updated.";
            $url = "patientdetails.php";
        }else{
            $success = 0;
            $msg = "Failed to update post-operation data.";
            $url = "postopdata.php";
        }
    }
    $aassist = "";
    $ordate = "";
    $sassist = "";
    $sproc = "";
    $mal = "";
    $asa = "";
    $asae = "";
    $atype = "";
    $aagent = "";
    $ors_hour = "";
    $ors_min = "";
    $ors_ampm = "";
    $ore_hour = "";
    $ore_min = "";
    $ore_ampm = "";
    $aness_hour = "";
    $aness_min = "";
    $aness_ampm = "";
    $anese_hour = "";
    $anese_min = "";
    $anese_ampm = "";
}

closedb();
?>

<html>
<body>
<form method="post" action="<?=$url?>"
name="editedpostopform">
<input type="hidden" name="pid" value="<?=$pid?>" />
<input type="hidden" name="cid" value="<?=$cid?>" />
<input type="hidden" name="poid" value="<?=$poid?>" />
<input type="hidden" name="msg" value="<?=$msg?>" />
<input type="hidden" name="ordate" value="<?=$ordate?>" />
<input type="hidden" name="ors_hour" value="<?=$ors_hour?
>" />
<input type="hidden" name="ors_min" value="<?=$ors_min?>" />
<input type="hidden" name="ors_ampm" value="<?=$ors_ampm?
>" />
<input type="hidden" name="ore_hour" value="<?=$ore_hour?
>" />
<input type="hidden" name="ore_min" value="<?=$ore_min?>" />
<input type="hidden" name="ore_ampm" value="<?=$ore_ampm?
>" />
<input type="hidden" name="sproc" value="<?=$sproc?>" />
<input type="hidden" name="sassist" value="<?=$sassist?>" />
<input type="hidden" name="aness_hour" value="<?
=$aness_hour?>" />
<input type="hidden" name="aness_min" value="<?=$aness_min?
>" />
<input type="hidden" name="aness_ampm" value="<?
=$aness_ampm?>" />
<input type="hidden" name="anese_hour" value="<?
=$anese_hour?>" />
<input type="hidden" name="anese_min" value="<?=$anese_min?
>" />
<input type="hidden" name="anese_ampm" value="<?
=$anese_ampm?>" />
<input type="hidden" name="atype" value="<?=$atype?>" />
<input type="hidden" name="aagent" value="<?=$aagent?>" />
<input type="hidden" name="aassist" value="<?=$aassist?>" />
<input type="hidden" name="mal" value="<?=$mal?>" />
<input type="hidden" name="asa" value="<?=$asa?>" />
<input type="hidden" name="asae" value="<?=$asae?>" />
<input type="hidden" name="success" value="<?=$success?>" />

```

```

</form>
<script language="javascript">editedpostopform.submit();</script>
</body>
</html>

```

managepreop.php

```

<?php
// manages patient's consultation and pre-operative details

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

// checks the submitted form
if(($cidadd == "" || ($rid == 0) || ($bid == 0) || (empty($or_date))) ||
($or_hour == "" || ($or_min == "" || ($or_ampm == "" || ($sched_proc == "" || ($age == "" || ($surgeon == "" || ($aid == 0))
{
    $msg = "Please fill up the form completely.<br/>";
    $url = "preopdata.php";
    $success = 0;
}
if($cidadd != 0){
    if(!is_numeric($cidadd)){
        $msg = $msg . "Invalid record number format.<br />";
    }
}
if($weight != 0){
    if(!is_numeric($weight)){
        $msg = $msg . "Invalid weight format.<br />";
    }
}
if($height != 0){
    if(!is_numeric($height)){
        $msg = $msg . "Invalid height format.<br />";
    }
}

if($cidadd != ""){
    $pcquery = "SELECT pid_fk, bday FROM consultation WHERE cid_pk = $cidadd";
    $pcresult = mysql_query($pcquery);
    $pcrow = mysql_fetch_row($pcresult);
    $pcidcount = mysql_num_rows($pcresult);
    $pid_temp = $pcrow[0];
    $bday = $pcrow[1];
}

// if the submitted form has no error it is either updated or added
if($msg == ""){
    // scheduled or date and time
    if($or_ampm == "PM" && $or_hour != 12){
        $or_hour = $or_hour + 12;
    }
    if($or_ampm == "AM" && $or_hour == 12){
        $or_hour = 0;
    }
    $or_dt = $or_date . " . " . $or_hour . " . " . $or_min . " :00";

    // weight
    if($weight == ""){
        $weight = 0;
    }

    // height
    if($height == ""){
        $height = 0;
    }

    // if the consultation and preop data is already in the database, the
    existing data will be updated
    $cquery = "UPDATE consultation SET bid_fk = $bid, account =
'$account' WHERE cid_pk = $cid";
    $cresult = mysql_query($cquery);

    if($cresult){
        $prquery = "UPDATE preop SET aid_fk = $aid, weight = $weight,
height = $height, or_dt = '$or_dt', surgeon = '$surgeon', premed =
'$premed', sched_proc = '$sched_proc' WHERE cid_fk = $cid";
        $prresult = mysql_query($prquery);
    }
}

```

```

if($prresult){
    $success = 1;
    $msg = "Consultation and pre-operation assessment data was
updated.";
    $url = "patientdetails.php";
}
else{
    $success = 0;
    $msg = "Failed to update consultation and pre-operation
assessment.";
    $url = "preopdata.php";
}

```

```

$cidadd = "";
$account = "";
$rid = "";
$bid = "";
$or_date = "";
$or_hour = "";
$or_min = "";
$or_ampm = "";
$age = "";
$weight = "";
$height = "";
$surgeon = "";
$aid = "";
$premed = "";
$sched_proc = "";
}
else{
    $url = "preopdata.php";
}

```

```

closedb();
?>

```

```

<html>
<body>
<form method="post" action="<?=$url?>"
name="editedpreopform">
    <input type="hidden" name="pid" value="<?=$pid?>" />
    <input type="hidden" name="cid" value="<?=$cid?>" />
    <input type="hidden" name="preop" value="<?=$preop?>" />
    <input type="hidden" name="poid" value="<?=$mend?>" />
    <input type="hidden" name="msg" value="<?=$msg?>" />
    <input type="hidden" name="cidadd" value="<?=$cidadd?>" />
    <input type="hidden" name="account" value="<?=$account?>" />
    <input type="hidden" name="rid" value="<?=$rid?>" />
    <input type="hidden" name="bid" value="<?=$bid?>" />
    <input type="hidden" name="or_date" value="<?=$or_date?>" />
    <input type="hidden" name="or_hour" value="<?=$or_hour?>" />
    <input type="hidden" name="or_min" value="<?=$or_min?>" />
    <input type="hidden" name="or_ampm" value="<?=$or_ampm?>" />
    <input type="hidden" name="age" value="<?=$age?>" />
    <input type="hidden" name="weight" value="<?=$weight?>" />
    <input type="hidden" name="height" value="<?=$height?>" />
    <input type="hidden" name="surgeon" value="<?=$surgeon?>" />
    <input type="hidden" name="aid" value="<?=$aid?>" />
    <input type="hidden" name="premed" value="<?=$premed?>" />
    <input type="hidden" name="sched_proc" value="<?=$sched_proc?>" />
    <input type="hidden" name="success" value="<?=$success?>" />
</form>
<script language="javascript">editedpreopform.submit();</script>
</body>
</html>

```

managepreopassess.php

```

<?php
// manages patient's pre-operation assessment

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$COOKIE['sesscookie']);
opendb();

extract($_GET);
extract($_POST);

if($pidadd != ""){
    $ppquery = "SELECT pid_pk FROM patient WHERE pid_pk = $pidadd";
    $ppresult = mysql_query($ppquery);
    $pidcount = mysql_num_rows($ppresult);
}

// if the statements check the submitted account
if(($pidadd == "" || ($fname == "" || ($lname == "" || ($bday == "" ||
($gender == "" || ($cidadd == "" || ($rid == 0) || ($bid == 0) ||

```

```

(empty($or_date)) || ($or_hour == "") || ($or_min == "") || ($or_ampm
== "") || ($sched_proc == "") || ($surgeon == "") || ($aid == 0){
    $msg = "Please fill up the form completely.<br />";
}
if($pidadd != 0){
    if(!is_numeric($pidadd)){
        $msg = $msg . "Invalid hospital number format.<br />";
    }
}
if($cidadd != 0){
    if(!is_numeric($cidadd)){
        $msg = $msg . "Invalid record number format.<br />";
    }
}
if($weight != 0){
    if(!is_numeric($weight)){
        $msg = $msg . "Invalid weight format.<br />";
    }
}
if($height != 0){
    if(!is_numeric($height)){
        $msg = $msg . "Invalid height format.<br />";
    }
}
if($cidadd != ""){
    $pquery = "SELECT pid_fk FROM consultation WHERE cid_pk =
$cidadd";
    $presult = mysql_query($pquery);
    $pcrow = mysql_fetch_row($presult);
    $cidcount = mysql_num_rows($presult);
    $pid_temp = $pcrow[0];
}
if($cid == 0 && $cidcount > 0){
    $msg = $msg . "Record number <a href=patientdetails.php?pid=" .
$pid_temp . "&cid=" . $cidadd . ">" . $cidadd . "</a> is already in the
database.";
}

// if the submitted patient information has no error it is either updated
or added
if($msg == ""){
    // if it a new patient record, it is added in the database
    if($pidcount == 0){
        $pquery = "INSERT INTO patient (pid_pk, fname, mname, lname,
bday, gender) VALUES ($pidadd, '$fname', '$mname', '$lname',
'$bday', '$gender)";
        $presult = mysql_query($pquery);

        if($presult){
            $success = 1;
            $msg = "New patient added to database.<br/>";
            $url = "patientdetails.php";
        }else{
            $success = 0;
            $msg = "Failed to add patient.<br/>";
            $msgcss = "error";
            $url = "preopassess.php";
        }
    }else{
        if($pi == 1 || ($pi == 0 && $preop == 0)){
            // if the patient is already in the database, the existing record will
be updated
            $pquery = "UPDATE patient SET fname = '$fname', mname =
'$mname', lname = '$lname', bday = '$bday', gender = $gender
WHERE pid_pk = $pidadd";
            $presult = mysql_query($pquery);

            if($presult){
                $success = 1;
                $msg = "Patient information was updated.<br/>";
                $url = "patientdetails.php";
            }else{
                $success = 0;
                $msg = "Failed to update patient information.<br/>";
                $url = "preopassess.php";
            }
        }
    }
}

// scheduled or date and time
if($or_ampm == "PM" && $or_hour != 12){
    $or_hour = $or_hour + 12;
}
if($or_ampm == "AM" && $or_hour == 12){
    $or_hour = 0;
}
$or_dt = $or_date . " . $or_hour . ":" . $or_min . ":00";

// weight
if($weight == ""){
    $weight = 0;
}

// height
if($height == ""){
    $height = 0;
}

// if it is a new consultation and preop data, it is added in the
database
$cquery = "INSERT INTO consultation (cid_pk, pid_fk, bid_fk, cdate,
account, age, dc_order, dc_dt) VALUES ($cidadd, $pidadd, $bid,
DATE_FORMAT(NOW(), '%Y-%m-%d'), $account, (YEAR(CURDATE())-
YEAR('$bday')) - (RIGHT(CURDATE(),5)<RIGHT('$bday',5)), '', '0000-00-
00 00:00:00')";
$result = mysql_query($cquery);

if($result){
    $pridquery = "SELECT prid_pk FROM preop ORDER BY prid_pk ASC";
    $pridresult = mysql_query($pridquery);

    // search for the lowest available preop ID
    $i = 1;
    while(($pridrow = mysql_fetch_array($pridresult)) && ($prid == 0)){
        if($i == $pridrow[0]){
            $i++;
        }else{
            $prid = $i;
        }
    }

    if($prid == 0){
        $prid = $i++;
    }

    $prquery = "INSERT INTO preop (prid_pk, cid_fk, aid_fk, prdate,
weight, height, or_dt, surgeon, premed, sched_proc) VALUES ($prid,
$cidadd, $aid, DATE_FORMAT(NOW(), '%Y-%m-%d'), $weight, $height,
'$or_dt', '$surgeon', '$premed', '$sched_proc')";
    $prresult = mysql_query($prquery);
}

if($prresult){
    $success = 1;
    $msg = $msg . "Consultation and pre-operation assessment added
to database.";
    $url = "patientdetails.php";
    $cid = $cidadd;
} else {
    $success = 0;
    $prid = 0;
    $msg = $msg . "Failed to update consultation and pre-operation
assessment.";
    $msgcss = "error";
    $url = "preopassess.php";
}

$piadd = "";
$fname = "";
$mname = "";
$lname = "";
$bday = "";
$gender = "";
$cidadd = "";
$account = "";
$rid = "";
$bid = "";
$or_date = "";
$or_hour = "";
$or_min = "";
$or_ampm = "";
$weight = "";
$height = "";
$surgeon = "";
$aid = "";
$premed = "";
$sched_proc = "";
} else {
    $success = 0;
    $url = "preopassess.php";
}

closedb();
?>

<html>
<body>
<form method="post" action="<?=$url?>"
name="editedpreopform">
    <input type="hidden" name="pid" value="<?=$pid?>" />
    <input type="hidden" name="pi" value="<?=$pi?>" />
    <input type="hidden" name="pidadd" value="<?=$pidadd?>" />
    <input type="hidden" name="fname" value="<?=$fname?>" />
    <input type="hidden" name="mname" value="<?=$mname?>" />

```

```




---



```

managerrnmonitor.php
<?php
// manages recovery room and monitoring data

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

// checks the submitted form
if(empty($rrdate) || ($bid == "") || ($in_hour == "") || ($in_ampm ==
"") || ($freq_hour == "") || ($endmonitor == "") || ($end_hour == "") ||
($end_ampm == "")){
 $msg = "Please fill up the form completely.";
 $msgcss = "error";
 $url = "rrnmonitordata.php";
 $success = 0;
}
if(($clearid != "") || ($clear_hour != "") || ($clear_ampm != "")){
 if(empty($rrdate) || ($bid == "") || ($in_hour == "") || ($in_ampm
== "") || ($clearid == "") || ($clear_hour == "") || ($clear_ampm == "")
|| ($freq_hour == "") || ($endmonitor == "") || ($end_hour == "") ||
($end_ampm == "")){
 $msg = "Please fill up the form completely.";
 $msgcss = "error";
 $url = "rrnmonitordata.php";
 $success = 0;
 }
}
if(($out_hour != "") || ($out_ampm != "") || ($nid != "")){
 if(empty($rrdate) || ($bid == "") || ($nid == "") || ($in_hour == "") ||
($in_ampm == "") || ($clearid == "") || ($clear_hour == "") ||
($clear_ampm == "") || ($out_hour == "") || ($out_ampm == "") ||
($freq_hour == "") || ($endmonitor == "") || ($end_hour == "") ||
($end_ampm == "")){
 $msg = "Please fill up the form completely.";
 $msgcss = "error";
 $url = "rrnmonitordata.php";
 $success = 0;
 }
}

if($msg == ""){
 if($monitoring == 1 || ($rr == "" && $monitoring == "")){
 // frequency of visit
 $freq = $freq_hour . ":" . $freq_min . ":00";

 // end of monitoring
 if($end_ampm == "PM" && $end_hour != 12){
 $end_hour = $end_hour + 12;
 }
 if($end_ampm == "AM" && $end_hour == 12){
 $end_hour = 0;
 }

 $send_hour = 0;
 }
 $send_dt = $endmonitor . " " . $end_hour . ":" . $end_min . ":00";

 // status
 $send_year = substr($send_dt, 0, 4);
 $send_month = substr($send_dt, 5, 2);
 $send_day = substr($send_dt, 8, 2);
 $send_dt_t = mktime($send_hour, $send_min, 0, $send_month,
$send_day, $send_year);
 $isnegative = substr((date("YmdHis", $send_dt_t) - date("YmdHis")), 0,
1);
 if($isnegative == "-"){
 $mactive = 0;
 }else{
 $mactive = 1;
 }

 // if it is a new management data, it is added in the database
 if($mid == 0){
 $midquery = "SELECT mid_pk FROM management ORDER BY
mid_pk ASC";
 $midresult = mysql_query($midquery);

 // search for the lowest available management ID
 $i = 1;
 while(($midrow = mysql_fetch_array($midresult)) && ($mid == 0))
 {
 if($i == $midrow[0]){
 $i++;
 }else{
 $mid = $i;
 }
 }

 if($mid == 0){
 $mid = $i++;
 }

 $mquery = "INSERT INTO management (mid_pk, cid_fk, check_freq,
end_dt, mactive) VALUES ($mid, $cid, '$freq', '$send_dt', '$mactive)";
 $mresult = mysql_query($mquery);

 }else{
 // if the management data is already in the database, the existing
 data will be updated
 $mupdate = 1;
 $mquery = "UPDATE management SET check_freq = '$freq',
end_dt = '$send_dt', mactive = $mactive WHERE mid_pk = $mid";
 $mresult = mysql_query($mquery);
 }

 if($rr == 1 || ($rr == "" && $monitoring == "")){
 // time in
 if($in_ampm == "PM" && $in_hour != 12){
 $in_hour = $in_hour + 12;
 }
 if($in_ampm == "AM" && $in_hour == 12){
 $in_hour = 0;
 }
 $in_dt = $rrdate . " " . $in_hour . ":" . $in_min . ":00";

 // time cleared
 if($clear_hour != ""){
 if($clear_ampm == "PM" && $clear_hour != 12){
 $clear_hour = $clear_hour + 12;
 }
 if($clear_ampm == "AM" && $clear_hour == 12){
 $clear_hour = 0;
 }
 if($clear_hour < $in_hour){
 $year = substr($rrdate, 0, 4);
 $month = substr($rrdate, 5, 2);
 $day = substr($rrdate, 8, 2);
 $clear_dt_t = mktime($clear_hour, $clear_min, 0, $month,
$day+1, $year);
 $clear_dt = date("Y-m-d H:i:00", $clear_dt_t);
 }else{
 $clear_dt = $rrdate . " " . $clear_hour . ":" . $clear_min . ":00";
 }
 }

 // nurse in-charge
 if($nid == ""){
 $nid = 0;
 }

 // cleared by
 if($clearid == ""){
 $clearid = 0;
 }
 }
}

```


```

```

// time out
if($out_hour != ""){
    if($out_ampm == "PM" && $out_hour != 12){
        $out_hour = $out_hour + 12;
    }
    if($out_ampm == "AM" && $out_hour == 12){
        $out_hour = 0;
    }
    if(($out_hour < $clear_hour) || ($out_hour < $in_hour)){
        $year = substr($rrdate, 0, 4);
        $month = substr($rrdate, 5, 2);
        $day = substr($rrdate, 8, 2);
        $out_dt_t = mktime($out_hour, $out_min, 0, $month, $day+1,
$year);
        $out_dt = date('Y-m-d H:i:00', $out_dt_t);
    }else{
        $out_dt = $rrdate . " . " . $out_hour . ":" . $out_min . ":00";
    }
}

// rr stay duration
if($out_hour != ""){
    $dursql = "SELECT TIMEDIFF('$out_dt','$in_dt')";
    $durresult = mysql_query($dursql);
    $durrow = mysql_fetch_row($durresult);
    $staylength = $durrow[0];
}

// if it is a new rr data, it is added in the database
if($rrid == 0){
    $rridquery = "SELECT rr_id_pk FROM rr ORDER BY rr_id_pk ASC";
    $rridresult = mysql_query($rridquery);

    // search for the lowest available rr ID
    $i = 1;
    while(($rridrow = mysql_fetch_array($rridresult)) && ($rrid == 0)){
        if($i == $rridrow[0]){
            $i++;
        }else{
            $rrid = $i;
        }
    }

    if($rrid == 0){
        $rrid = $i++;
    }

    $rrquery = "INSERT INTO rr (rrid_pk, mid_fk, bid_fk, in_dt) VALUES
($rrid, $mid, $bid, '$in_dt')";
    $rrresult = mysql_query($rrquery);

}else{
    // if the rr data is already in the database, the existing data will be
    updated
    $rrupdate = 1;
    $rrquery = "UPDATE rr SET nid_fk = $nid, clearid_fk = $clearid,
bid_fk = $bid, clear_dt = '$clear_dt', in_dt = '$in_dt', out_dt =
'$out_dt', duration = '$staylength' WHERE rrid_pk = $rrid";
    $rrresult = mysql_query($rrquery);
}
closedb();

if($rr == "" && $monitoring == ""){
    if($mresult && $rrresult){
        $msg = "Recovery room and monitoring details added to
database.";
        $success = 1;
        $msgcss = "notify";
        $url = "patientdetails.php";
    }else{
        $mid = 0;
        $rrid = 0;
        $msg = "Failed to add recovery room and monitoring details.";
        $success = 0;
        $msgcss = "error";
        $url = "rrnmonitordata.php";
    }
}
else if($rr == 1 && $monitoring == ""){
    if($rrresult){
        if($rrupdate == 1){
            $msg = "Recovery room details was updated.";
        }else{
            $msg = "Recovery room details added to database.";
        }
        $success = 1;
        $msgcss = "notify";
        $url = "patientdetails.php";
    }else{
        if($rrupdate == 1){
            $msg = "Failed to update recovery room details.";
        }
    }
}
else{
    $msg = "Failed to add recovery room details.";
}
}
$success = 0;
$msgcss = "error";
$url = "rrnmonitordata.php";
}
else if($rr == "" && $monitoring == 1){
    if($mresult){
        if($mupdate == 1){
            $msg = "Monitoring details was updated.";
        }else{
            $msg = "Monitoring details added to database.";
        }
        $success = 1;
        $msgcss = "notify";
        $url = "patientdetails.php";
    }else{
        if($mupdate == 1){
            $msg = "Failed to update monitoring details.";
        }else{
            $msg = "Failed to add monitoring details.";
        }
        $success = 0;
        $msgcss = "error";
        $url = "rrnmonitordata.php";
    }
}

$rrdate = "";
$nid = "";
$bid = "";
$in_hour = "";
$in_min = "";
$in_ampm = "";
$clearid = "";
$clear_hour = "";
$clear_min = "";
$clear_ampm = "";
$out_hour = "";
$out_min = "";
$out_ampm = "";
$freq_hour = "";
$freq_min = "";
$sendmonitor = "";
$send_hour = "";
$send_min = "";
$send_ampm = "";
}

?>

<html>
<body>
<form method="post" action="<?=$url?>"
name="editedrrnmonitoringform">
<input type="hidden" name="rr" value="<?=$rr?>" />
<input type="hidden" name="monitoring" value="<?=$monitoring?>" />
<input type="hidden" name="pid" value="<?=$pid?>" />
<input type="hidden" name="cid" value="<?=$cid?>" />
<input type="hidden" name="mid" value="<?=$mid?>" />
<input type="hidden" name="rrid" value="<?=$rrid?>" />
<input type="hidden" name="msg" value="<?=$msg?>" />
<input type="hidden" name="success" value="<?=$success?>" />
<input type="hidden" name="clearid_orig" value="<?=$clearid_orig?>" />
<input type="hidden" name="outdate" value="<?=$outdate?>" />
<input type="hidden" name="mactive" value="<?=$mactive?>" />
<input type="hidden" name="dc_order" value="<?=$dc_order?>" />
<input type="hidden" name="rrdate" value="<?=$rrdate?>" />
<input type="hidden" name="nid" value="<?=$nid?>" />
<input type="hidden" name="bid" value="<?=$bid?>" />
<input type="hidden" name="aid" value="<?=$aid?>" />
<input type="hidden" name="in_hour" value="<?=$in_hour?>" />
<input type="hidden" name="in_min" value="<?=$in_min?>" />
<input type="hidden" name="in_ampm" value="<?=$in_ampm?>" />
<input type="hidden" name="clearid" value="<?=$clearid?>" />
<input type="hidden" name="clear_hour" value="<?=$clear_hour?>" />
<input type="hidden" name="clear_min" value="<?=$clear_min?>" />
<input type="hidden" name="clear_ampm" value="<?=$clear_ampm?>" />
<input type="hidden" name="out_hour" value="<?=$out_hour?>" />
<input type="hidden" name="out_min" value="<?=$out_min?>" />
<input type="hidden" name="out_ampm" value="<?=$out_ampm?>" />
> />

```



```

<input type="hidden" name="freq_hour" value="<?=$freq_hour?
>" />
<input type="hidden" name="freq_min" value="<?=$freq_min?
>" />
<input type="hidden" name="endmonitor" value="<?
=$endmonitor?>" />
<input type="hidden" name="end_hour" value="<?=$end_hour?
>" />
<input type="hidden" name="end_min" value="<?=$end_min?>" />
<input type="hidden" name="end_ampm" value="<?=$end_ampm?
>" />
<input type="hidden" name="clear_hour_t" value="<?
=$clear_hour_t?>" />
<input type="hidden" name="clear_min_t" value="<?
=$clear_min_t?>" />
<input type="hidden" name="clear_ampm_t" value="<?
=$clear_ampm_t?>" />
<input type="hidden" name="out_hour_t" value="<?=$out_hour_t?
>" />
<input type="hidden" name="out_min_t" value="<?=$out_min_t?
>" />
<input type="hidden" name="out_ampm_t" value="<?
=$out_ampm_t?>" />
<input type="hidden" name="pclear" value="<?=$pclear?>" />
<input type="hidden" name="ptransfer" value="<?=$ptransfer?
>" />
</form>
<script
language="Javascript">editedrrnmonitoringform.submit();</script>
</body>
</html>

```

manageuser.php

```

<?php
// manages user accounts

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'], $_COOKIE['sesscookie']);
opendb();

extract($_GET);
extract($_POST);

//delete a user account
if($del == 1){
    $delquery = "UPDATE user SET ustatus=2 where uid_pk = '$usr'";
    $delresult = mysql_query($delquery) or die(mysql_error());
    $msg = "User " . $nwnname . " deleted from database.";
    $url = "users.php";
} else {
    $usr_id = $_COOKIE['usr_id'];

    $unquery = "SELECT usrnme FROM user where usrnme = '$ulog' AND
ustatus != 2";
    $unresult = mysql_query($unquery);
    $unrow = mysql_fetch_row($unresult);

    $unoquery = "SELECT usrnme FROM user where uid_pk = '$usr'";
    $unoresult = mysql_query($unoquery);
    $unorow = mysql_fetch_row($unoresult);
    $unorig = $unorow[0];

    // the if statements check the submitted account
    if(($ulog == "") || ($plog1 == "") || ($plog2 == "") || ($uname == ""))
    {
        $msg = $msg . "Please fill up the form completely.<br />";
    }

    if(($unrow != 0) && ($unorig != $ulog)){
        $msg = $msg . "Username is not available.<br />";
    }

    if($plog1 != $plog2){
        $msg = $msg . "Please verify password.<br />";
    }

    if($ucelno != ""){
        if(($ucelno[9] == "") || !(is_numeric($ucelno))){
            $msg = $msg . "Invalid cellular phone number format.";
        } else {
            $ucelnodb = "+63" . $ucelno;
        }
    }

    // if the submitted account has no error it is either updated or added
    if($msg == ""){
        // if it a new user account, it is added in the database

```

```

if($usr == 0){
    $uidquery = "SELECT uid_pk FROM user ORDER BY uid_pk ASC";
    $uidresult = mysql_query($uidquery);

    // search for the lowest available user ID
    $i = 1;
    while(($uidrow = mysql_fetch_array($uidresult)) && ($usr == 0)){
        if($i == $uidrow[0]){
            $i++;
        } else {
            $usr = $i;
        }
    }

    if($usr == 0){
        $usr = $i++;
    }

    $usrquery = "INSERT INTO user (uid_pk, usrnme, password,
usr_name, celno, usr_type, ustatus) VALUES ('$usr', '$ulog', '$plog1',
'$uname', '$ucelnodb', '$thisselect', '$uactive')";
    $usrresult = mysql_query($usrquery) or die(mysql_error());

    $nwnname = strtoupper($uname);
    $uname = "";
    $thisselect = "";
    $uactive = "";
    $ucelno = "";
    $msg = "New user <a href=useraccount.php?usr=" . $usr . ">" .
$nwnname . "</a> added to database.";
    $url = "users.php";
} else {
    // if the user account is already in the database, the existing
account will be updated
    $upquery = "UPDATE user SET usrnme = '$ulog', password =
'$plog1', usr_name = '$uname', celno = '$ucelnodb', usr_type =
'$thisselect', ustatus = '$uactive' where uid_pk = '$usr'";
    $upresult = mysql_query($upquery) or die(mysql_error());

    $nwnname = strtoupper($uname);
    $success = 1;
    $ulog = "";
    $plog1 = "";
    $plog2 = "";
    $uname = "";
    $thisselect = "";
    $uactive = "";
    $ucelno = "";

    if($usr_id == $usr){
        $url = "useraccount.php";
        $msg = "Your user account was successfully updated.";
    } else {
        $url = "users.php";
        $msg = "Existing user account of <a href=useraccount.php?usr="
. $usr . ">" . $nwnname . "</a> was successfully updated.";
    }
} else {
    $url = "useraccount.php";
}
}

closedb();
?>

<html>
<body>
<form method="post" action="<?=$url?>"
name="editeduserform">
<input type="hidden" name="usr" value="<?=$usr?>" />
<input type="hidden" name="msg" value="<?=$msg?>" />
<input type="hidden" name="ulog" value="<?=$ulog?>" />
<input type="hidden" name="plog1" value="<?=$plog1?>" />
<input type="hidden" name="plog2" value="<?=$plog2?>" />
<input type="hidden" name="uname" value="<?=$uname?>" />
<input type="hidden" name="thisselect" value="<?=$thisselect?>" />
/>
<input type="hidden" name="ucelno" value="<?=$ucelno?>" />
<input type="hidden" name="uactive" value="<?=$uactive?>" />
<input type="hidden" name="success" value="<?=$success?>" />
<input type="hidden" name="msgcss" value="notify" />
</form>
<script language="Javascript">editeduserform.submit();</script>
</body>
</html>

```

medicationdetails.php

```

<?
// patient's medication details

```

```

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE["usr_typ"];

extract($_GET);
extract($_POST);

// keys, patient name, record number, hospital number and discharge
order
if($medid != 0){
    $pquery = "SELECT pid_pk, cid_pk, mid_pk, CONCAT(fname, ' ',
lname), dc_order, mactive FROM patient, consultation, management,
medication WHERE pid_pk = pid_fk AND cid_pk = cid_fk AND mid_pk =
mid_fk AND medid_pk = $medid";
    $presult = mysql_query($pquery);
    $prow = mysql_fetch_row($presult) or die(mysql_error());
    $pid = $prow[0];
    $cid = $prow[1];
    $mid = $prow[2];
    $pname = $prow[3];
    $cdc = $prow[4];
    $mactive = $prow[5];
}else{
    $pquery = "SELECT pid_pk, cid_pk, CONCAT(fname, ' ', lname),
dc_order, mactive, aid_fk FROM patient, consultation, management,
management WHERE pid_pk = pid_fk AND cid_pk = preop.cid_fk AND
cid_pk = management.cid_fk AND mid_pk = $mid";
    $presult = mysql_query($pquery);
    $prow = mysql_fetch_row($presult) or die(mysql_error());
    $pid = $prow[0];
    $cid = $prow[1];
    $pname = $prow[2];
    $cdc = $prow[3];
    $mactive = $prow[4];
    $oid = $prow[5];
}

// checks if the page has past values
if(($mname == "") && ($sdate == "") && ($s_hour == "") && ($s_min
== "" || $s_min == 0) && ($s_ampm == "") && ($dose == "") &&
($freq_hour == "") && ($freq_min == "" || $freq_min == 0) && ($oid
== "") && ($medid != 0) || (($resetform == 1) && ($medid != 0))){
    $mquery = "SELECT medication.med_name,
DATE_FORMAT( med_start, '%Y-%m-%d'), DATE_FORMAT( med_start,
'%i'), DATE_FORMAT( med_start, '%i'), DATE_FORMAT( med_start, '%p'),
medication.med_dose, DATE_FORMAT( med_freq, '%i'),
DATE_FORMAT( med_freq, '%i'), medication.oid_fk, med_end,
DATE_FORMAT(CASE WHEN NOT EXISTS(SELECT medid_fk FROM
medication, carryout WHERE medid_pk = medid_fk AND medid_pk =
$medid) THEN med_start ELSE ADDTIME((SELECT MAX(given_dt) FROM
carryout WHERE medid_fk=$medid), med_freq) END, '%b %e %Y %T')
as nextint, CASE WHEN (CASE WHEN NOT EXISTS(SELECT medid_fk
FROM medication, carryout WHERE medid_pk = medid_fk AND
medid_pk = $medid) THEN med_start ELSE ADDTIME((SELECT
MAX(given_dt) FROM carryout WHERE medid_fk=$medid), med_freq)
END) < NOW() THEN 1 ELSE 0 END FROM medication, carryout where
CASE WHEN EXISTS(SELECT medid_fk FROM medication, carryout
WHERE medid_pk = medid_fk AND medid_pk = $medid) THEN
medid_pk = medid_fk ELSE 1 END AND medid_pk = $medid GROUP BY
medid_pk";
    $mresult = mysql_query($mquery) or die(mysql_error());
    $mrow = mysql_fetch_row($mresult);
    $mname = $mrow[0];
    $mname_orig = $mrow[0];
    $sdate = $mrow[1];
    $s_hour = $mrow[2];
    $s_min = $mrow[3];
    $s_ampm = $mrow[4];
    $dose = $mrow[5];
    $dose_orig = $mrow[5];
    $freq_hour = $mrow[6];
    $freq_min = $mrow[7];
    $oid = $mrow[8];
    $mend = $mrow[9];
    $nextint = $mrow[10];
    $givetime = $mrow[11];
}

// fill start date and time with current timestamp
if(($mname == "") && ($sdate == "") && ($s_hour == "") && ($s_min
== "" || $s_min == 0) && ($s_ampm == "") && ($dose == "") &&
($freq_hour == "") && ($freq_min == "" || $freq_min == 0) && ($oid
== "") && ($medid == 0) || (($resetform == 1) && ($medid == 0))){
    $nowquery = "SELECT DATE_FORMAT(NOW(), '%Y-%m-%d'),
DATE_FORMAT(NOW(), '%h'), DATE_FORMAT(NOW(), '%i'),
DATE_FORMAT(NOW(), '%p)";
    $nowresult = mysql_query($nowquery) or die(mysql_error());
    $nowrow = mysql_fetch_row($nowresult);

    $sdate = $nowrow[0];
    $s_hour = $nowrow[1];
    $s_min = $nowrow[2];
    $s_ampm = $nowrow[3];
}

// list of doctors
$dquery = "SELECT uid_pk, usr_name, ustatus FROM user WHERE
(usr_type = 'a' OR usr_type = 'r') AND usr_name <> 'AROD' ORDER BY
usr_name";
$dresult = mysql_query($dquery);

$alist = "<option value="">&nbsp;</option>";
while($drow = mysql_fetch_array($dresult)){
    if($drow[2] == 2 || $drow[2] == 0){
        if($oid == $drow[0]){
            $dselect = "selected";
            $alist = $alist . "<option value=" . $drow[0] . " selected > " .
$drow[1] . "</option>";
        }
    }else{
        if($oid == $drow[0]){
            $dselect = "selected";
        }else{
            $dselect = "";
        }
    }
    $alist = $alist . "<option value=" . $drow[0] . " " . $dselect . "> " .
$drow[1] . "</option>";
}

if($mend == 1 || $view == 1 || $medid == 0){
    $nonext = "style='visibility:hidden'";
    $medaction = "&nbsp;";
}else{
    if($usr_typ == 'n'){
        $medaction = "<a href='carryoutdetails.php?medid=" .
$medid . "'>CARRY OUT</a> | <a href='#
onclick='confirmStopMed('managemonitoring.php?stop_med=1', " .
$medid . ", " . $pname . ", " . $mname_orig . ", " . $dose_orig . ", " .
$pid . ", " . $cid . ", 'medicationdetails.php')\">STOP
MEDICATION</a>";
    }else{
        $medaction = "<a href='#
onclick='confirmStopMed('managemonitoring.php?stop_med=1', " .
$medid . ", " . $pname . ", " . $mname_orig . ", " . $dose_orig . ", " .
$pid . ", " . $cid . ", 'medicationdetails.php')\">STOP
MEDICATION</a>";
    }
}

if($view == 1){
    $edisable = "disabled";
    $vblock = "style='display:none'";
    $vonly = "readonly";
}

if($cdc != "" && $medid != 0 || $mactive == 0 && $medid != 0 ||
$mend == 1){
    $edisable = "disabled";
    $vblock = "style='display:none'";
    $dblock = "style='display:none'";
    $vonly = "readonly";
}

// carried out medication schedule
if($medid != 0){
    $coquery = "SELECT coid_pk, med_name, med_dose, oid_fk as oid,
(SELECT usr_name FROM user WHERE uid_pk = oid),
DATE_FORMAT(sched_dt, '%b %e, %i:%i %p'), DATE_FORMAT(given_dt,
'%b %e, %i:%i %p'), nid_fk as nid, (SELECT usr_name FROM user
WHERE uid_pk = nid) FROM carryout WHERE medid_fk = $medid
ORDER BY given_dt DESC";
    $coresult = mysql_query($coquery);
    $cocoount = mysql_num_rows($coresult);

    while($corow = mysql_fetch_array($coresult)){
        $ccount++;
        $colist = $colist . "<tr>
<td><a href='carryoutdetails.php?view=1&medid=" . $medid .
"&coid=" . $corow[0] . "'> " . $ccount . "</a></td>
<td>" . $corow[1] . "</td>
<td>" . $corow[2] . "</td>
<td>" . $corow[4] . "</td>
<td>" . $corow[5] . "</td>
<td>" . $corow[6] . "</td>

```

```

        <td>". $corow[8] . "</td>
    </tr>";
}
}
}
if($cocount > 0){
    $malign = "left";
    $codisplay = "display:'block'";
} else {
    $malign = "center";
    $codisplay = "display:'none'";
}

closedb();
?>

<html>
<head>
<title>POPMS Medication Details</title>
<script language="javascript" src="include/popmsscript.js"></script>
<script language="javascript" src="include/calendar.js"></script>
<link href="include/popmsscss.css" rel="stylesheet" type="text/css">

<link href="include/default.css" rel="stylesheet" type="text/css"/>
<script language="javascript" src="include/prototype.js" </script>
<script language="javascript" src="include/window.js" </script>
</head>

<body onLoad="if('<?=$usr_typ?'!='n'){smsMessages();}
searchPatient(); document.getElementById('clock').firstChild.nodeValue
= updateClock();
setInterval('document.getElementById('\clock\').firstChild.nodeValue =
updateClock(), 1000 ); if('<?=$nextint?' != ''){countDown('<?
=$nextint?' , 'nextco');}">
<? include 'include/header.php' ?>
<table width="980" border="0">
    <tr>
        <td colspan="6"><font
class="title">MEDICATION</font>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<font
class="subtitle">DETAILS</font></td>
    </tr>
    <tr>
        <td colspan="6">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
    </tr>
    <tr>
        <td colspan="6">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
    </tr>
    <tr>
        <td colspan="6">
            <?
            if($success == 1){
                $msgcss = "notify";
            }else{
                $msgcss = "error";
            }
            ?>
            <td colspan="6" class="<?=$msgcss?>"<?=$msg?></td>
        </tr>
        <tr>
            <td colspan="6">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
        </tr>
        <tr>
            <td colspan="6">
                <form method="post" action="managemonitoring.php"
                name="editmedicationform" onSubmit="if('<?=$cocount?' > 0 &&
                '<?=$usr_typ?' == 'n'){if(confirm('Do you want to change the given
                medication details?')){change_co.value=1;}}">
                <tr>
                    <td width="2" rowspan="6">&nbsp;&nbsp;&nbsp;</td>
                    <td width="684" class="attention">HOSPITAL NO: <?=$pid?
                ><br/>
                    RECORD NO: <?=$cid?><br/>PATIENT NAME: <a
                    href="patientdetails.php?pid=<?=$pid?&cid=<?=$cid?>"><?
                    =strtoupper($pname)?></a></td>
                    <td width="79" rowspan="2" align="right"
                    valign="bottom"><input type="submit" name="save"
                    class="cssbutton" value="save"
                    onMouseOver="btnOver(this.form.name,this.name)"
                    onMouseOut="btnOut(this.form.name,this.name)" <?=$vblock?>
                ></td>
                    <td width="84" rowspan="2" align="center" valign="bottom"><?
                    if($vonly == 'readonly') {?}<input type="button" name="edit"
                    class="cssbutton" value="edit"
                    onMouseOver="btnOver(this.form.name,this.name)"
                    onMouseOut="btnOut(this.form.name,this.name)"
                    onClick="window.location='medicationdetails.php?mid=<?=$mid?
                    &medid=<?=$medid?'>" <?=$dblock?> ><? } else { ?><input
                    type="reset" name="reset" class="cssbutton" value="reset"
                    onMouseOver="btnOver(this.form.name,this.name)"
                    onMouseOut="btnOut(this.form.name,this.name)"
                    onClick="window.location='medicationdetails.php?mid=<?=$mid?
                    &medid=<?=$medid?'&resetform=1'"><? } ?></td>
                    <td width="103" rowspan="2" valign="bottom"><input
                    type="reset" name="cancel" class="cssbutton" value="cancel"
                    onMouseOver="btnOver(this.form.name,this.name)"
                    onMouseOut="btnOut(this.form.name,this.name)"
                    onClick="window.location='patientdetails.php?pid=<?=$pid?
                    &cid=<?=$cid?'>" <?=$dblock?> ></td>
                </tr>
                <tr>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                </tr>
                <tr>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                </tr>
                <tr>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                </tr>
                <tr>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                    <td colspan="3">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
                </tr>
            </td>
        </tr>
    </table>

```

```

<tr>
<td align="right">Frequency: </td>
<td>Every
<select name="freq_hour" style="width:45px" <?=$edisable?
>>
<option value="">&nbsp;</option>
<? for($i=1;$i<49;$i++){?>
<? if($freq_hour == $i){
$freqh_select = "selected";
}else{
$freqh_select = "";
}
?>
<? if($i<10){?>
<option value="<?"="0".$i?>" <?=$freqh_select?> >
<?"="0".$i?>
</option>
<? }else{?>
<option value="<?"=$i?>" <?=$freqh_select?> >
<?"=$i?>
</option>
<? }?>
<? }?>
</select>
hrs and
<select name="freq_min" style="width:45px" <?=$edisable?>>
<? for($i=0;$i<60;$i++){?>
<? if($freq_min == $i){
$freqm_select = "selected";
}else{
$freqm_select = "";
}
?>
<? if($i<10){?>
<option value="<?"="0".$i?>" <?=$freqm_select?> >
<?"="0".$i?>
</option>
<? }else{?>
<option value="<?"=$i?>" <?=$freqm_select?> >
<?"=$i?>
</option>
<? }?>
<? }?>
</select>
mins</td>
</tr>
<tr>
<td align="right">Ordered By:</td>
<td><select name="oid" style="width:150px" <?=$edisable?>>
<?=$alist?>
</select></td>
</tr>
<tr>
<td colspan="3">&nbsp;</td>
</tr>
<tr>
<td colspan="3" align="right" valign="bottom"><?
=$medaction?></td>
</tr>
</table>
<div style="width:400; <?=$codisplay?>," align="left"
class="attention"></div> </td>
<tr style="<?=$codisplay?>">
<td colspan="4"><table width="957" class="listcontent"
cellpadding="0" cellspacing="0" border="1" bordercolor="#eaeaea">
<tr>
<td class="listheader">No</td>
<td class="listheader">Medication</td>
<td class="listheader">Dosage</td>
<br>
<td class="listheader">Ordered By</td>
<td class="listheader">Schedule</td>
<td class="listheader">Given</td>
<td class="listheader">Given By</td>
</tr>
<?=$colist?>
</table></td>
</tr>
<tr>
<td colspan="4">&nbsp;</td>
<input type="hidden" name="save_med" value="1" />
<input type="hidden" name="change_co" value="0" />
<input type="hidden" name="pid" value="<?=$pid?>" />
<input type="hidden" name="cid" value="<?=$cid?>" />
<input type="hidden" name="mid" value="<?=$mid?>" />
<input type="hidden" name="medid" value="<?=$medid?>" />
<input type="hidden" name="mend" value="<?=$mend?>" />
<input type="hidden" name="nextint" value="<?=$nextint?>" />
<input type="hidden" name="givetime" value="<?=$givetime?
>" /> </td>
<input type="hidden" name="dc" value="<?=$dc?>" />
<input type="hidden" name="mactive" value="<?=$mactive?
>" />
<input type="hidden" name="mname_orig" value="<?
=$mname_orig?>" />
<input type="hidden" name="dose_orig" value="<?=$dose_orig?
>" />
</tr>
</form>
</table>
<? include 'include/footer.lbi'; ?>
</html>

```

```

medications.php
<?php
// list of under monitoring post-operative patients with medications

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$COOKIE['sesscookie']);
opendb();

$usr_id = $COOKIE['usr_id'];
$uname = $COOKIE['uname'];
$usr_typ = $COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

switch($orderby){
case 1: $order = "CONCAT(UPPER(lname) , ' ', fname)"; break;
case 2: $order = "bnum"; break;
case 3: $order = "usr_name"; break;
case 4: $order = "med_name"; break;
case 5: $order = "med_dose"; break;
case 6: $order = "med_freq"; break;
case 7: $order = "med_start"; break;
case 8: $order = "given"; break;
default: $order = "nextintorder"; break;
}

if($usr_typ == 'a'){
$consulted = "AND (aid_fk = " . $usr_id . " OR aassist_fk = " .
$usr_id . ")";
}

if($usr_typ == 'n'){
if(date('G') < 6 || date('G') > 21){
$nacondition = "(DATE_FORMAT(NOW()), %Y%m%d%H%i%s')
BETWEEN DATE_FORMAT(CONCAT(adate, ' ', stime), %Y%m%d%H%i
%s') AND DATE_FORMAT(CONCAT(ADATE_ADD(adate, INTERVAL 1 DAY),
' ', etime), %Y%m%d%H%i%s')";
}else{
$nacondition = "(DATE_FORMAT(NOW()), %Y%m%d%H%i%s')
BETWEEN DATE_FORMAT(CONCAT(adate, ' ', stime), %Y%m%d%H%i
%s') AND DATE_FORMAT(CONCAT(adate, ' ', etime), %Y%m%d%H%i
%s')";
}

$ntables = " , room, assign, anurse, aroom";
$nccondition = " AND anurse.nid_fk = " . $usr_id . " AND CASE WHEN
(SELECT out_dt = '0000-00-00 00:00:00' FROM rr where mid_fk = mid)
THEN bid_pk = rr.bid_fk ELSE bid_pk = consultation.bid_fk END AND
rid_pk = bed.rid_fk AND rid_pk = aroom.rid_fk AND asid_pk =
aroom.asid_fk AND asid_pk = anurse.asid_fk AND $nacondition";
}

$mquery = "SELECT DISTINCT medid_pk as medid, pid_pk,
CONCAT(UPPER(lname), ' ', fname), bnum, usr_name,
medication.med_name, medication.med_dose, CASE WHEN
(DATE_FORMAT(med_freq, '%i')='00') THEN DATE_FORMAT(med_freq,
'%k hrs') ELSE DATE_FORMAT(med_freq, '%k hrs, %i mins') END,
DATE_FORMAT(med_start, '%b %e, %l:%i %p'), DATE_FORMAT(CASE
WHEN NOT EXISTS(SELECT medid_fk FROM medication, carryout
WHERE medid_pk = medid_fk AND medid_pk = medid) THEN
med_start ELSE ADDTIME((SELECT MAX(given_dt) FROM carryout
WHERE medid_fk=medid), med_freq) END, '%b %e %Y %T') as nextint,
CASE WHEN (CASE WHEN NOT EXISTS(SELECT medid_fk FROM
medication, carryout WHERE medid_pk = medid_fk AND medid_pk =
medid) THEN med_start ELSE ADDTIME((SELECT MAX(given_dt) FROM
carryout WHERE medid_fk=medid), med_freq) END) < NOW() THEN 1
ELSE 0 END, (SELECT COUNT(coid_pk) FROM carryout WHERE medid_fk

```

```

= medid) as given, cid_pk, CASE WHEN NOT EXISTS(SELECT medid_fk
FROM medication, carryout WHERE medid_pk = medid_fk AND
medid_pk = medid) THEN med_start ELSE ADDTIME((SELECT
MAX(given_dt) FROM carryout WHERE medid_fk=medid), med_freq)
END as nextintorder, mid_pk as mid FROM patient, bed, user,
medication, consultation, preop, postop, management, rr $ntables
WHERE pid_pk = pid_fk AND uid_pk = medication.oid_fk AND cid_pk =
preop.cid_fk AND cid_pk = postop.cid_fk AND cid_pk =
management.cid_fk AND mid_pk = medication.mid_fk AND mid_pk =
rr.mid_fk AND (CASE WHEN out_dt = '0000-00-00 00:00:00' THEN
bid_pk = rr.bid_fk ELSE bid_pk = consultation.bid_fk END) AND
med_end = 0 AND mactive = 1 $consulted $ncondition GROUP BY
medid_pk ORDER BY $order $ascordesc";
$mresult = mysql_query($mquery);

// total number of under monitoring postop patients with medication
$mmax = mysql_num_rows($mresult);

$recordsperpage = 25;
paging($mmax, $recordsperpage, $liststart, $listend, "&orderby=" .
$orderby . "&ascordesc=" . $ascordesc, "medications");
$hasprev = $_POST['hasprev'];
$hasnext = $_POST['hasnext'];
$liststart = $_POST['liststart'];
$listend = $_POST['listend'];

$i = 1;
while($mrow = mysql_fetch_array($mresult)){
  if(($liststart <= $i) && ($i <= $listend)){
    if($usr_typ == 'n'){
      $cout = " | <a href='carryoutdetails.php?medid=" . $mrow[0] .
">Carry Out</a>";
    }
    if($mrow[10] == 1){
      $intaketime = "<b><span id='span' . $mrow[0] .
">&nbsp;&nbsp;&nbsp;</span></b>";
    }else{
      $intaketime = "<span id='span' . $mrow[0] . '>&nbsp;&nbsp;&nbsp;</span>";
    }
    $mlist = $mrow[11];
    <td><a href='patientdetails.php?pid=" . $mrow[1] . "&cid=" .
$mrow[12] . "'> . $mrow[2] . "</a></td>
    <td> . $mrow[3] . "</td>
    <td> . $mrow[4] . "</td>
    <td><a href='medicationdetails.php?medid=" . $mrow[0] .
"&view=1"> . $mrow[5] . "</a></td>
    <td> . $mrow[6] . "</td>
    <td> . $mrow[7] . "</td>
    <td> . $mrow[8] . "</td>
    <td align='center'> . $intaketime . "</td>
    <td align='center'> . $mrow[11] . "</td>
    <td align='center'><a href='medicationdetails.php?medid=" .
$mrow[0] . "'>Edit</a> . $cout . " | <a href='#'
onclick='confirmStopMed('managemonitoring.php?stop_med=1', " .
$mrow[0] . ", " . $mrow[2] . ", " . $mrow[5] . ", " . $mrow[6] . ", " .
$mrow[1] . ", " . $mrow[12] . ", 'medications.php')">Stop</a></td>
    </tr>";
    if($i == 1){
      $taketime = $mrow[9];
      $spanid = "span" . $mrow[0];
    }else{
      $taketime = $taketime . "*" . $mrow[9];
      $spanid = $spanid . "*" . $mrow[0];
    }
    $i++;
  }else{
    $i++;
  }
}

closedb();
?>

<html>
<head>
<title>POPMS Patients with Medications</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<script language="javascript" src="include/popmsscript.js"></script>
<link href="include/popmsscss.css" rel="stylesheet" type="text/css">

<link href="include/default.css" rel="stylesheet" type="text/css"/>
<script language="javascript" src="include/prototype.js"> </script>
<script language="javascript" src="include/window.js"> </script>
</head>

<body onLoad="if('<?=$usr_typ?>'=='n'){smsMessages();}
searchPatient(); document.getElementById('clock').firstChild.nodeValue
= updateClock();
setInterval('document.getElementById('clock').firstChild.nodeValue =
updateClock()', 1000 ); if('<?=$mmax?>' != 0){countDown('<?
=$taketime?>', '<?=$spanid?>');}">

```

```

<? include 'include/header.php'; ?>
<table width="980" border="0">
  <tr>
    <td colspan="2"><font
class="title">MEDICATED</font>&nbsp;&nbsp;&nbsp;<font
class="subtitle">PATIENTS</font></td>
  </tr>
  <tr>
    <td colspan="2"><span id="trythis1">&nbsp;&nbsp;&nbsp;</span><span
id="trythis2">&nbsp;&nbsp;&nbsp;</span></td>
  </tr>
  <tr>
    <td colspan="2">
    <?
    if($mmax != 0){
      ?>
    <tr>
      <td colspan="2">
      <?
      if($success == 1){
        $msgcss = "notify";
      }else{
        $msgcss = "error";
      }
      ?>
      <td width="786" valign="top" class="<?=$msgcss?>"><?=$msg?>
    </td>
    <td width="188" align="right" valign="top"
class="notify">Patients&nbsp;&nbsp;&nbsp;<?=$liststart?><?=$listend?>
&nbsp;&nbsp;&nbsp;<?=$mmax?>&nbsp;&nbsp;&nbsp;<?=$hasprev?>&nbsp;&nbsp;&nbsp;<?=$hasnext?></td>
  </tr>
  <tr>
    <td colspan="2">
    <table width="976" class="listcontent" cellpadding="0"
cellspacing="0" border="1" bordercolor="#eaeaea">
      <tr>
        <td colspan="2">
        <?
        if($ascordesc == "DESC"){
          $ascordesc = "ASC";
        }else{
          $ascordesc = "DESC";
        }
        ?>
        <td class="listheader"><a href="medications.php?ascordesc=<?
=$ascordesc?>&orderby=1">Patient Name</a></td>
        <td class="listheader" width="60"><a href="medications.php?
ascordesc=<?=$ascordesc?>&orderby=2">Bed No</td>
        <td class="listheader"><a href="medications.php?ascordesc=<?
=$ascordesc?>&orderby=3">Ordered By</a></td>
        <td class="listheader"><a href="medications.php?ascordesc=<?
=$ascordesc?>&orderby=4">Medication</a></td>
        <td class="listheader" width="80"><a href="medications.php?
ascordesc=<?=$ascordesc?>&orderby=5">Dosage</a></td>
        <td class="listheader" width="85"><a href="medications.php?
ascordesc=<?=$ascordesc?>&orderby=6">Frequency</a></td>
        <td class="listheader" width="110"><a href="medications.php?
ascordesc=<?=$ascordesc?>&orderby=7">Start</a></td>
        <td class="listheader" width="130"><a href="medications.php?
ascordesc=<?=$ascordesc?>">Next Intake</a></td>
        <td class="listheader" width="45"><a href="medications.php?
ascordesc=<?=$ascordesc?>&orderby=8">Given</a></td>
        <td class="listheader" width="140">Action</td>
      </tr>
      <tr>
        <td colspan="2">
        <?=$mlist?>
      </td>
    </table></td>
  </tr>
  <tr>
    <td height="27" colspan="2" align="right" valign="top"
class="notify">Patients&nbsp;&nbsp;&nbsp;<?=$liststart?><?=$listend?>
&nbsp;&nbsp;&nbsp;<?=$mmax?>&nbsp;&nbsp;&nbsp;<?=$hasprev?>&nbsp;&nbsp;&nbsp;<?=$hasnext?></td>
  </tr>
  <tr>
    <td colspan="2">
    <?
    }else{
      ?>
    <tr rowspan="3">
      <td colspan="2" class="error">No patient records found.</td>
    </tr>
    <tr>
      <td colspan="2">
      <?
      ?>
    <tr>
      <td colspan="2">&nbsp;&nbsp;&nbsp;</td>
    </tr>
  </table>
  <? include 'include/footer.lbi'; ?>
</body>
</html>

```

```

messageDetails.php
<?php
// SMS message details

```

```

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

opendb();

$usr_id = $_COOKIE['usr_id'];
$username = $_COOKIE['uname'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

$mquery = "SELECT sid_fk as sid, CASE WHEN EXISTS(SELECT
usr_name FROM user WHERE celno = sid LIMIT 0, 1) THEN (SELECT
usr_name FROM user WHERE celno = sid LIMIT 0, 1) ELSE sid_fk END as
sname, DATE_FORMAT(received_dt, '%Y-%m-%d'),
DATE_FORMAT(received_dt, '%H:%i:%s'), content FROM inbox WHERE
iid_pk = $iid";
$mresult = mysql_query($mquery);
$mrow = mysql_fetch_array($mresult);
$sendername = $mrow[1];
$senderno = $mrow[0];
$timerecv = $mrow[2];
$daterecv = $mrow[3];
$message = $mrow[4];

?>

<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<title>POPMS SMS Message</title>
<script language="javascript" src="include/popmsscript.js"></script>
<link href="include/popmcss.css" rel="stylesheet" type="text/css">
</head>

<body class="headerbox">
<table width="213" cellpadding="0" cellspacing="0" border="0"
align="center">
<tr>
<td class="attention">Sender:</td>
</tr>
<? if($sendername != $senderno){?>
<tr>
<td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$sendername?></td>
</tr>
<? }?>
<tr>
<td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$senderno?></td>
</tr>
<tr>
<td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td class="attention">Sent:</td>
</tr>
<tr>
<td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$daterecv?></td>
</tr>
<tr>
<td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$timerecv?></td>
</tr>
<tr>
<td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td class="attention">Message:</td>
</tr>
<tr>
<td><?=$message?></td>
</tr>
<tr>
<td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
</tr>
</table>
</body>
</html>

<?
$qquery = "UPDATE inbox SET read_dt = NOW() WHERE iid_pk = $iid";
$result = mysql_query($qquery);
closedb();
?>

newconsult.php
<?php
// list of new consulted patients

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'], $_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$username = $_COOKIE['uname'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

switch($orderby){
case 1: $order = "cid_pk"; break;
case 2: $order = "CONCAT(UPPER(lname), ' ', fname)"; break;
case 3: $order = "surgeon"; break;
case 4: $order = "sched_proc"; break;
case 5: $order = "premed"; break;
default: $order = "or_dt"; break;
}

$ncoquery = "SELECT cid_pk as cid, DATE_FORMAT(or_dt, '%b %e'),
DATE_FORMAT(or_dt, '%l:%i %p'), CONCAT(UPPER(lname), ' ', fname),
surgeon, sched_proc, CASE WHEN premed = ' ' THEN 'None' ELSE
premed END, pid_pk, prid_pk FROM patient, consultation, preop
WHERE NOT EXISTS (SELECT poid_pk from postop WHERE cid_fk = cid)
AND aid_fk = $usr_id AND pid_fk = pid_pk AND cid_pk = cid_fk AND
dc_order=" GROUP BY pid_pk ORDER BY $order $ascorder";
$ncoresult = mysql_query($ncoquery);

// total number of new consulted patients
$ncocomax = mysql_num_rows($ncoresult);

$recordsperpage = 25;
paging($ncocomax, $recordsperpage, $liststart, $listend, "&orderby=" .
$orderby . "&ascorder=" . $ascorder, "newconsult");
$hasprev = $_POST['hasprev'];
$hasnext = $_POST['hasnext'];
$liststart = $_POST['liststart'];
$listend = $_POST['listend'];

$i = 1;
while($ncorow = mysql_fetch_array($ncoresult)){
if(($liststart <= $i) && ($i <= $listend)){
$ncolist = $ncolist . "<tr>
<td align='center'" . $ncorow[0] . "</td>
<td align='center'" . $ncorow[1] . "</td>
<td align='center'" . $ncorow[2] . "</td>
<td><a href='patientdetails.php?pid=" . $ncorow[7] . "&cid=" .
$ncorow[0] . "> " . $ncorow[3] . "</a></td>
<td> " . $ncorow[4] . "</td>
<td> " . $ncorow[5] . "</td>
<td> " . $ncorow[6] . "</td>
</tr>";
$i++;
}else{
$i++;
}
}
}

closedb();
?>

<html>
<head>
<title>POPMS New Consulted Patients</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<script language="javascript" src="include/popmsscript.js"></script>
<link href="include/popmcss.css" rel="stylesheet" type="text/css">

<link href="include/default.css" rel="stylesheet" type="text/css"/>
<script language="javascript" src="include/prototype.js"></script>
<script language="javascript" src="include/window.js"></script>
</head>

<body onLoad="searchPatient();
document.getElementById('clock').firstChild.nodeValue =
updateClock();
setInterval('document.getElementById('\clock\').firstChild.nodeValue =
updateClock()', 1000);">
<? include 'include/header.php'; ?>
<table width="980" border="0">
<tr>
<td colspan="3"><font
class="title">NEW&nbsp;&nbsp;&nbsp;CONSULTED</font>&nbsp;&nbsp;&nbsp;<font
class="subtitle">PATIENTS</font></td>
</tr>
</table>

```

```

<td colspan="3">&nbsp;&nbsp;&nbsp;</td>
</tr>
<?
if($ncomax != 0){
?>
<tr>
<td colspan="3" align="right" valign="top"
class="notify">Patients&nbsp;&nbsp;&nbsp;<?=$liststart?><?=$listend?
>&nbsp;&nbsp;&nbsp;of&nbsp;&nbsp;&nbsp;<?=$ncomax?>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$hasprev?
>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$hasnext?></td>
</tr>
<tr>
<td rowspan="2">&nbsp;&nbsp;&nbsp;</td>
<td>
<table width="960" class="listcontent" cellpadding="0"
cellspacing="0" border="1" bordercolor="#eaeaea">
<tr>
<?
if(($ascordesc == "DESC") || ($ascordesc == "")){
$ascordesc = "ASC";
}else{
$ascordesc = "DESC";
}
?>
<td class="listheader" width="71"><a href="newconsult.php?
ascordesc=<?=$ascordesc?>&orderby=1">Record No</a></td>
<td class="listheader" width="72"><a href="newconsult.php?
ascordesc=<?=$ascordesc?>&orderby=2">OR Date</a></td>
<td class="listheader" width="78">OR Time</td>
<td width="235" class="listheader"><a href="newconsult.php?
ascordesc=<?=$ascordesc?>&orderby=2">Patient Name</a></td>
<td class="listheader" width="137"><a href="newconsult.php?
ascordesc=<?=$ascordesc?>&orderby=3">Surgeon</a></td>
<td class="listheader" width="143"><a href="newconsult.php?
ascordesc=<?=$ascordesc?>&orderby=4">Procedure</a></td>
<td class="listheader" width="208"><a href="newconsult.php?
ascordesc=<?=$ascordesc?>&orderby=5">Premeds</a></td>
</tr>
<?=$nclist?>
</table></td>
<td rowspan="2">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td colspan="3" align="right" valign="top"
class="notify">Patients&nbsp;&nbsp;&nbsp;<?=$liststart?><?=$listend?
>&nbsp;&nbsp;&nbsp;of&nbsp;&nbsp;&nbsp;<?=$ncomax?>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$hasprev?
>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<?=$hasnext?></td>
</tr>
<?
}else{
?>
<tr rowspan="3">
<td class="error">No patient records found.</td>
</tr>
<?
}
?>
<tr>
<td colspan="3">&nbsp;&nbsp;&nbsp;</td>
</tr>
</table>
<? include 'include/footer.lbi'; ?>
</body>
</html>

```

newpostop.php

```

<?php
// list of new post-operative patients(to be transferred to the recovery
room)

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$uname = $_COOKIE['uname'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

switch($orderby){
case 1: $order = "or_dt"; break;
case 2: $order = "CONCAT(UPPER(lname) , ' ', fname)"; break;
case 3: $order = "usr_name"; break;
case 4: $order = "surgeon"; break;
case 5: $order = "sched_proc"; break;

```

```

default: $order = "or_dt"; break;
}

$npoquery = "SELECT DATE_FORMAT(or_dt, '%b %e'),
DATE_FORMAT(or_dt, '%l:%i:%p'), CONCAT(UPPER(lname), ' ', fname),
usr_name, surgeon, pid_pk, cid_pk as cid, (CASE WHEN EXISTS (SELECT
* from postop WHERE cid_fk = cid) THEN 1 ELSE 0 END), (CASE WHEN
EXISTS (SELECT poid_pk from postop WHERE cid_fk = cid) THEN
(SELECT poid_pk from postop WHERE cid_fk = cid) ELSE 0 END,
sched_proc FROM user, patient, consultation, preop WHERE (NOT
EXISTS (SELECT poid_pk from postop WHERE cid_fk = cid) OR NOT
EXISTS (SELECT rrid_pk from management, rr WHERE mid_pk = mid_fk
AND cid_fk = cid)) AND uid_pk = aid_fk AND pid_fk = pid_pk AND
cid_pk = cid_fk AND dc_order=" ORDER BY $order $ascordesc";
$nproresult = mysql_query($npoquery);

// total number of new postop patients
$npromax = mysql_num_rows($nproresult);

$recordsperpage = 25;
paging($npromax, $recordsperpage, $liststart, $listend, "&orderby=" .
$orderby . "&ascordesc=" . $ascordesc, "newpostop");
$hasprev = $_POST['hasprev'];
$hasnext = $_POST['hasnext'];
$liststart = $_POST['liststart'];
$listend = $_POST['listend'];

$i = 1;
while($nporow = mysql_fetch_array($nproresult)){
if(($liststart <= $i) && ($i <= $listend)){
if($nporow[7] == 1){
$oact = "Edit";
$discharge = " | <a href='dischargedetails.php?
discharge=1&pid=" . $nporow[5] . "&cid=" . $nporow[6] .
"'>Discharge</a>";
if($usr_typ == 'n'){
$rdata = " | <a href='rrnmonitordata.php?pid=" . $nporow[5].
"&cid=" . $nporow[6] . "'>Add RR</a>";
}else{
$rdata = "";
}
}else{
$oact = "Add";
$discharge = "";
$rdata = "";
}

$nplist = $nplist . "<tr>
<td align='center'>" . $nporow[0] . "</td>
<td align='center'>" . $nporow[1] . "</td>
<td><a href='patientdetails.php?pid=" . $nporow[5] . "&cid=" .
$nporow[6] . "'>" . $nporow[2] . "</a></td>
<td>" . $nporow[3] . "</td>
<td>" . $nporow[4] . "</td>
<td>" . $nporow[9] . "</td>
<td align='center' width='215'><a href='postopdata.php?pid=" .
$nporow[5] . "&cid=" . $nporow[6] . "&poiid=" . $nporow[8] . "'>".
$oact . " Postop</a>" . $rdata . $discharge . "</td>
</tr>";
$i++;
}else{
}
}

closedb();
?>

<html>
<head>
<title>POPMS New Post-Operative Patients</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<script language="javascript" src="include/popmsscript.js"></script>
<link href="include/popmsscscs.css" rel="stylesheet" type="text/css">

<link href="include/default.css" rel="stylesheet" type="text/css">
<script language="javascript" src="include/prototype.js"> </script>
<script language="javascript" src="include/window.js"> </script>
</head>

<body onLoad="if('<?=$usr_typ?>'=='n'){smsMessages();}
searchPatient(); document.getElementById('clock').firstChild.nodeValue
= updateClock();
setInterval('document.getElementById('\clock\').firstChild.nodeValue =
updateClock()', 1000 );">
<? include 'include/header.php'; ?>
<table width="980" border="0">
<tr>
<td colspan="3"><font
class="title">NEW&nbsp;&nbsp;&nbsp;POSTOP</font>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<font
class="subtitle">PATIENTS</font></td>

```

```

</tr>
<tr>
<td colspan="3">&nbsp;&nbsp;&nbsp;</td>
</tr>
<?
if($npomax != 0){
?>
<tr>
<td rowspan="2">&nbsp;&nbsp;&nbsp;</td>
<td>
<table width="960" class="listcontent" cellpadding="0"
cellspacing="0" border="1" bordercolor="#eaeaea">
<tr>
<?
if(($ascordesc == "DESC") || ($ascordesc == "")){
$ascordesc = "ASC";
}else{
$ascordesc = "DESC";
}
?>
<td class="listheader"><a href="newpostop.php?ascordesc=<?
=$ascordesc?>&orderby=1">OR Date</a></td>
<td class="listheader">Start Time</td>
<td class="listheader"><a href="newpostop.php?ascordesc=<?
=$ascordesc?>&orderby=2">Patient Name</a></td>
<td class="listheader"><a href="newpostop.php?ascordesc=<?
=$ascordesc?>&orderby=3">Anesthesiologist</a></td>
<td class="listheader"><a href="newpostop.php?ascordesc=<?
=$ascordesc?>&orderby=4">Surgeon</a></td>
<td class="listheader"><a href="newpostop.php?ascordesc=<?
=$ascordesc?>&orderby=5">Procedure</a></td>
<td class="listheader">Action</td>
</tr>
<?=$npolist?>
</table></td>
<td rowspan="2">&nbsp;&nbsp;&nbsp;</td>
</tr>
<?
}else{
?>
<tr rowspan="3">
<td class="error">No patient records found.</td>
</tr>
<?
}
?>
<tr>
<td colspan="3">&nbsp;&nbsp;&nbsp;</td>
</tr>
</table>
<? include 'include/footer.lbi'; ?>
</body>
</html>

```

nursehome.php

```

<?php
// nurse's home

include 'include/configuration.php';
include 'include/popomsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$username = $_COOKIE['uname'];
$usr_typ = $_COOKIE['usr_typ'];

if(date('G') < 6 || date('G') > 21){
$nacondition = "(DATE_FORMAT(NOW(), '%Y%m%d%H%i%s')
BETWEEN DATE_FORMAT(CONCAT(adate, ' ', stime), '%Y%m%d%H%i
%s') AND DATE_FORMAT(CONCAT(ADATE_ADD(adate, INTERVAL 1 DAY),
' ', etime), '%Y%m%d%H%i%s'))";
}else{
$nacondition = "(DATE_FORMAT(NOW(), '%Y%m%d%H%i%s')
BETWEEN DATE_FORMAT(CONCAT(adate, ' ', stime), '%Y%m%d%H%i
%s') AND DATE_FORMAT(CONCAT(adate, ' ', etime), '%Y%m%d%H%i
%s'))";
}

$narrquery = "SELECT asid_pk FROM assign, anurse, aroom WHERE
asid_pk = anurse.asid_fk AND asid_pk = aroom.asid_fk AND rid_fk = 1
AND nid_fk = $usr_id AND $nacondition";
$narrresult = mysql_query($narrquery);
$rrn = mysql_num_rows($narrresult);

if($rrn > 0){
$poquery = "SELECT DATE_FORMAT(or_dt, '%b %e'),
DATE_FORMAT(or_dt, '%l:%i %p'), CONCAT(UPPER(lname), ' ', fname),

```

```

usr_name, surgeon, pid_pk, cid_pk as cid, (CASE WHEN EXISTS (SELECT
* from postop WHERE cid_fk = cid) THEN 1 ELSE 0 END), sched_proc
from user, patient, consultation, preop WHERE (NOT EXISTS (SELECT
poid_pk from postop WHERE cid_fk = cid) OR NOT EXISTS (SELECT
rrid_pk from management, rr WHERE mid_pk = mid_fk AND cid_fk =
cid)) AND uid_pk = aid_fk AND pid_fk = pid_pk AND cid_pk = cid_fk
AND dc_order=" ORDER BY or_dt";
$poresult = mysql_query($poquery);
$poresult = mysql_num_rows($poresult);
$pototal = $poresult;
if ($poresult > 5) { $poresult = 5; }

while(($porow = mysql_fetch_array($poresult)) && ($poresult > 0)){
if($porow[7] == 1){
$poact = "Edit";
if($usr_typ == 'n'){
$rrdata = " | <a href='rrnmonitordata.php?pid=" . $porow[5] .
"&cid=" . $porow[6] . "'>Add RR</a>";
}else{
$rrdata = "";
}
$discharge = " | <a href='dischargedetails.php?pid=" . $porow[5]
. "&cid=" . $porow[6] . "'>Discharge</a>";
}else{
$poact = "Add";
$rrdata = "";
$discharge = "";
}
$polist = $polist . "<tr>
<td align='center'>" . $porow[0] . "</td>
<td align='center'>" . $porow[1] . "</td>
<td><a href='patientdetails.php?pid=" . $porow[5] . "&cid=" .
$porow[6] . "'>" . $porow[2] . "</a></td>
<td>" . $porow[3] . "</td>
<td>" . $porow[4] . "</td>
<td>" . $porow[8] . "</td>
<td align='center' width='215'><a href='postopdata.php?pid=" .
$porow[5] . "&cid=" . $porow[6] . "'>" . $poact . " Postop</a>".
$rrdata . $discharge . "</td>
</tr>";
}
$poresult--;
}

$ntables = ", room, assign, anurse, aroom";
$condition = " AND anurse.nid_fk = " . $usr_id . " AND CASE WHEN
(SELECT out_dt = '0000-00-00 00:00:00' FROM rr where mid_fk = mid)
THEN bid_pk = rr.bid_fk ELSE bid_pk = consultation.bid_fk END AND
rid_pk = bed.rid_fk AND rid_pk = aroom.rid_fk AND asid_pk =
aroom.asid_fk AND asid_pk = anurse.asid_fk AND $nacondition";
$pmquery = "SELECT DISTINCT medid_pk as medid, pid_pk,
CONCAT(UPPER(lname), ' ', fname), bnum, usr_name,
medication.med_name, medication.med_dose, CASE WHEN
(DATE_FORMAT(med_freq, '%i')='00') THEN DATE_FORMAT(med_freq,
'%k hrs') ELSE DATE_FORMAT(med_freq, '%k hrs, %i mins') END,
DATE_FORMAT(med_start, '%b %e, %l:%i %p'), DATE_FORMAT(CASE
WHEN NOT EXISTS(SELECT medid_fk FROM medication, carryout
WHERE medid_pk = medid_fk AND medid_pk = medid) THEN
med_start ELSE ADDTIME((SELECT MAX(given_dt) FROM carryout
WHERE medid_fk=medid), med_freq) END) < NOW() THEN 1
ELSE 0 END, (SELECT COUNT(coid_pk) FROM carryout WHERE medid_fk
= medid) as given, cid_pk, CASE WHEN NOT EXISTS(SELECT medid_fk
FROM medication, carryout WHERE medid_pk = medid_fk AND
medid_pk = medid) THEN med_start ELSE ADDTIME((SELECT
MAX(given_dt) FROM carryout WHERE medid_fk=medid), med_freq)
END as nextintorder, mid_pk as mid FROM patient, bed, user,
medication, consultation, management, rr $ntables WHERE pid_pk =
pid_fk AND uid_pk = medication.oid_fk AND cid_pk =
management.cid_fk AND mid_pk = medication.mid_fk AND mid_pk =
rr.mid_fk AND (CASE WHEN out_dt = '0000-00-00 00:00:00' THEN
bid_pk = rr.bid_fk ELSE bid_pk = consultation.bid_fk END) AND
med_end = 0 AND mactive = 1 $condition GROUP BY medid_pk
ORDER BY nextintorder";
$pmresult = mysql_query($pmquery);
$pmcount = mysql_num_rows($pmresult);
$pmtotal = $pmcount;
if ($pmcount > 5) { $pmcount = 5; }

$first = 1;
while($pmrow = mysql_fetch_array($pmresult)) && ($pmcount > 0){
if($pmrow[10] == 1){
$intaketime = "<b><span id='span' . $pmrow[0] .
">&nbsp;&nbsp;&nbsp;</span></b>";
}else{
$intaketime = "<span id='span' . $pmrow[0] . "'>&nbsp;&nbsp;&nbsp;</span>";
}
$pmlist = $pmlist . "<tr>

```



```

        <td colspan="2">&nbsp;</td>
    </tr>
    <?
    if($opmax != 0){
    ?>
    <tr>
    <td colspan="2" align="right" valign="top"
    class="notify">Patients&nbsp;<?=$liststart?><?=$listend?
    >&nbsp;<?=$opmax?>&nbsp;<?=$hasprev?>&nbsp;<?=$hasnext?></td>
    </tr>
    <td colspan="2">
    <table width="976" class="listcontent" cellpadding="0"
    cellspacing="0" border="1" bordercolor="#eaeaea">
    <tr>
    <?
    if($ascordesc == "DESC"){
    $ascordesc = "ASC";
    }else{
    $ascordesc = "DESC";
    }
    ?>
    <td class="listheader"><a href="outpatients.php?
    ascordesc=<?=$ascordesc?>&orderby=1">Patient Name</a></td>
    <td class="listheader"><a href="outpatients.php?
    ascordesc=<?=$ascordesc?>&orderby=2">Record No</a></td>
    <td class="listheader"><a href="outpatients.php?
    ascordesc=<?=$ascordesc?>&orderby=3">Procedure</a></td>
    <td class="listheader"><a href="outpatients.php?
    ascordesc=<?=$ascordesc?>&orderby=4">OR Date</a></td>
    <td class="listheader"><a href="outpatients.php?
    ascordesc=<?=$ascordesc?>">Date Discharged</a></td>
    <td class="listheader"><a href="outpatients.php?
    ascordesc=<?=$ascordesc?>&orderby=5">Discharge
    Order</a></td>
    </tr>
    <?=$oplist?>
    </table></td>
    </tr>
    <td height="27" colspan="2" align="right" valign="top"
    class="notify">Patients&nbsp;<?=$liststart?><?=$listend?
    >&nbsp;<?=$opmax?>&nbsp;<?=$hasprev?>&nbsp;<?=$hasnext?></td>
    </tr>
    <?
    }else{
    ?>
    <tr rowspan="3">
    <td colspan="2" class="error">No patient records found.</td>
    </tr>
    <?
    }
    ?>
    <tr>
    <td colspan="2">&nbsp;</td>
    </tr>
    </table>
    <? include 'include/footer.lbi'; ?>
    </body>
    </html>

    $smid = $prow[2];
    $pname = $prow[3];
    $dc = $prow[4];
    $mactive = $prow[5];
    }else{
    $pquery = "SELECT pid_pk, cid_pk, CONCAT(fname, ' ', lname),
    dc_order, mactive FROM patient, consultation, management WHERE
    pid_pk = pid_fk AND cid_pk = cid_fk AND mid_pk = $mid";
    $presult = mysql_query($pquery);
    $prow = mysql_fetch_row($presult) or die(mysql_error());
    $pid = $prow[0];
    $cid = $prow[1];
    $pname = $prow[2];
    $dc = $prow[3];
    $mactive = $prow[4];
    }

    // checks if the page has past values
    if(($pain_date == "") && ($pain_hour == "") && ($pain_min == "" ||
    $pain_min == 0) && ($pain_ampm == "") && ($paid != 0) ||
    (($resetform == 1) && ($paid != 0))){
    $pnquery = "SELECT DATE_FORMAT(pain_dt, '%Y-%m-%d'),
    DATE_FORMAT(pain_dt, '%i'), DATE_FORMAT(pain_dt, '%i'),
    DATE_FORMAT(pain_dt, '%p'), score FROM pain WHERE paid_pk =
    $paid";
    $pnresult = mysql_query($pnquery) or die(mysql_error());
    $pnrow = mysql_fetch_row($pnresult);
    $pain_date = $pnrow[0];
    $pain_hour = $pnrow[1];
    $pain_min = $pnrow[2];
    $pain_ampm = $pnrow[3];
    $score = $pnrow[4];
    }

    // fill pain score date and time with current timestamp
    if(($pain_date == "") && ($pain_hour == "") && ($pain_min == "" ||
    $pain_min == 0) && ($pain_ampm == "") && ($paid == 0) ||
    (($resetform == 1) && ($paid == 0))){
    $snowquery = "SELECT DATE_FORMAT(NOW(), '%Y-%m-%d'),
    DATE_FORMAT(NOW(), '%h'), DATE_FORMAT(NOW(), '%i'),
    DATE_FORMAT(NOW(), '%p)";
    $snowresult = mysql_query($snowquery) or die(mysql_error());
    $snowrow = mysql_fetch_row($snowresult);

    $pain_date = $snowrow[0];
    $pain_hour = $snowrow[1];
    $pain_min = $snowrow[2];
    $pain_ampm = $snowrow[3];
    }

    if($mactive == 0 || $view == 1 || $paid == 0){
    $nonext = "style='visibility:hidden'";
    }

    if($view == 1){
    $edisable = "disabled";
    $vblock = "style='display:none'";
    $vonly = "readonly";
    }

    if(($dc != "" && $paid != 0) || ($mactive == 0 && $paid != 0) ||
    $usr_tpy != 'n'){
    $edisable = "disabled";
    $vblock = "style='display:none'";
    $dblock = "style='display:none'";
    $vonly = "readonly";
    }

    // count pain scores
    $pcquery = "SELECT paid_pk FROM pain WHERE mid_fk = $mid";
    $pcresult = mysql_query($pcquery);
    $paincount = mysql_num_rows($pcresult);

    closedb();
    ?>

    <html>
    <head>
    <title>POPMS Pain Score Details</title>
    <meta http-equiv="Content-Type" content="text/html; charset=iso-
    8859-1">
    <script language="javascript" src="include/popmsscript.js"></script>
    <script language="javascript" src="include/calendar.js"></script>
    <link href="include/popmcss.css" rel="stylesheet" type="text/css">

    <link href="include/default.css" rel="stylesheet" type="text/css"/>
    <script language="javascript" src="include/prototype.js"></script>
    <script language="javascript" src="include/window.js"></script>
    </head>

    <body onLoad="if('<?=$usr_tpy?>'=='n'){smsMessages();}
    searchPatient(); document.getElementById('clock').firstChild.nodeValue

```

```

= updateClock();
setInterval('document.getElementById(\'clock\').firstChild.nodeValue =
updateClock()', 1000 );">
<? include 'include/header.php' ?>
<table width="980" border="0">
<tr>
<td colspan="6"><font
class="title">PAIN&nbsp;SCORE</font>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<font
class="subtitle">DETAILS</font></td>
</tr>
<tr>
<td rowspan="3">&nbsp;&nbsp;&nbsp;</td>
<td colspan="4">&nbsp;&nbsp;&nbsp;</td>
<td rowspan="3">&nbsp;&nbsp;&nbsp;</td>
</tr>
<?
if($success == 1){
$msgcss = "notify";
}else{
$msgcss = "error";
}
?>
<tr>
<td colspan="4" class="<?=$msgcss?>"><?=$msg?></td>
</tr>
<tr>
<td colspan="4">&nbsp;&nbsp;&nbsp;</td>
</tr>
<form method="post" action="managemonitoring.php"
name="editpainform">
<tr>
<td rowspan="3" width="19">&nbsp;&nbsp;&nbsp;</td>
<td width="394"><span class="attention">HOSPITAL NO:
<?=$pid?>
<br/>
RECORD NO:
<?=$cid?>
<br/>
PATIENT NAME: <a href="patientdetails.php?pid=<?=$pid?
>&cid=<?=$cid?>">
<?=$strtoupper($pname)?>
</a></span></td>
<td width="157" rowspan="2" align="right"
valign="bottom"><input type="submit" name="save"
class="cssbutton" value="save"
onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)" <?=$vblock?>
></td>
<td width="87" rowspan="2" align="center" valign="bottom"><?
if($only == 'readonly') {?>
<input type="button" name="edit" class="cssbutton" value="edit"
onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"
onClick="window.location='paindetails.php?paid=<?=$paid?>' <?
=$dblock?> >
<? }else{ ?>
<input type="reset" name="reset" class="cssbutton"
value="reset" onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"
onClick="window.location='paindetails.php?mid=<?=$mid?
>&paid=<?=$paid?>&resetform=1'">
<? }?></td>
<td width="265" rowspan="2" valign="bottom"><input
type="reset" name="cancel" class="cssbutton" value="cancel"
onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"
onClick="window.location='patientdetails.php?pid=<?=$pid?
>&cid=<?=$cid?>' <?=$dblock?> ></td>
<td colspan="3" width="32">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td height="40">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td height="200" colspan="4" valign="top"
class="attention"><table class="boxwithheader" width="520"
align="center">
<tr>
<td colspan="3" class="headerbox">PAIN SCORE</td>
</tr>
<tr>
<td colspan="3" align="right">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td width="107" align="right">Date and Time:</td>
<td width="6" rowspan="2">&nbsp;&nbsp;&nbsp;</td>
<td width="387"><input name="pain_date" size="14px"
type="text" readonly="readonly" class="text" value="<?=$pain_date?
>>
<input name="button" type="button" style="width:20px;
height:20px; background:url(images/cal.gif);"
onClick="javascript:showCal('pain')" <?=$edisable?>>
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
<select name="pain_hour" style="width:45px" <?=$edisable?
>>
<option value="">&nbsp;&nbsp;&nbsp;</option>
<? for($i=1;$i<13;$i++){?>
<? if($pain_hour == $i){
$ph_select = "selected";
}else{
$ph_select = "";
}
?>
<? if($i<10){?>
<option value="<?="0".$i?>" <?=$ph_select?> >
<?="0".$i?>
</option>
<? }else{?>
<option value="<?=$i?>" <?=$ph_select?> >
<?=$i?>
</option>
<? }?>
<? }?>
</select>
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
<select name="pain_min" style="width:45px" <?=$edisable?>>
<? for($i=0;$i<60;$i++){?>
<? if($pain_min == $i){
$pm_select = "selected";
}else{
$pm_select = "";
}
?>
<? if($i<10){?>
<option value="<?="0".$i?>" <?=$pm_select?> >
<?="0".$i?>
</option>
<? }else{?>
<option value="<?=$i?>" <?=$pm_select?> >
<?=$i?>
</option>
<? }?>
<? }?>
</select>
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
<select name="pain_ampm" style="width:45px;" <?=$edisable?>>
<option value="">&nbsp;&nbsp;&nbsp;</option>
<? if($pain_ampm == 'PM'){?>
<option value="AM">AM</option>
<option value="PM" selected>PM</option>
<? }elseif($pain_ampm == 'AM'){?>
<option value="AM" selected>AM</option>
<option value="PM">PM</option>
<? }else{?>
<option value="AM">AM</option>
<option value="PM">PM</option>
<? }?>
</select></td>
</tr>
<tr>
<td align="right">Score:</td>
<td><select name="score" style="width:45px" <?=$edisable?
>>
<? for($i=0;$i<11;$i++){?>
<? if($score == $i){
$$select = "selected";
}else{
$$select = "";
}
?>
<option value="<?=$i?>" <?=$select?> >
<?=$i?>
</option>
<? }?>
</select></td>
</tr>
<tr>
<td colspan="3">&nbsp;&nbsp;&nbsp;</td>
</tr>
<? if($paincount > 0){?>
<tr>
<td colspan="3" align="right" valign="bottom"><a
href="patientdetails.php?pid=<?=$pid?>&cid=<?=$cid?
>#pains">VIEW ALL SCORES</a></td>
</tr>
<? }?>
</table></td>
</tr>
<tr>
<td colspan="6" height="5">
<input type="hidden" name="save_pain" value="1" />

```



```

        <td class="listheader"><a href="pains.php?ascordesc=<?
=$ascordesc?>&orderby=3">Pain Score</a></td>
        <td class="listheader"><a href="pains.php?ascordesc=<?
=$ascordesc?>">Date and Time</a></td>
        <td class="listheader"><a href="pains.php?ascordesc=<?
=$ascordesc?>&orderby=4">Anesthesiologist</a></td>
        <td class="listheader"><a href="pains.php?ascordesc=<?
=$ascordesc?>&orderby=5">Assistant</a></td>
        <td class="listheader">Action</td>
    </tr>
    <?=$plist?>
</table></td>
</tr>
<tr>
    <td height="27" align="right" valign="top"
class="notify">Patients&nbsp;<?=$liststart?>-<?=$listend?
>&nbsp;<?=$pmax?>&nbsp;<?=$hasprev?>&nbsp;<?=$hasnext?></td>
    </tr>
    <?
    }else{
    ?>
    <tr rowspan="3">
    <td class="error">No patient records found.</td>
    </tr>
    <?
    }
    ?>
    <tr>
    <td colspan="2">&nbsp;</td>
    </tr>
</table>
<? include 'include/footer.lbi'; ?>
</body>
</html>

```

patientdetails.php

```

<?
// patient information and peri-operative details

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

if($pid == ""){
    $pid = $pidadd;
}

// selects the latest consultation if no consultation is selected
if($cid == "" || $cid == 0){
    $cidquery = "SELECT cid_pk, cdate from patient, consultation WHERE
pid_pk = pid_fk AND pid_pk = $pid ORDER BY cdate DESC LIMIT 0,1";
    $cidresult = @mysql_query($cidquery);
    if($cidresult){
        $cidrow = mysql_fetch_row($cidresult);
        $cid = $cidrow[0];
    }
}

// patient information
$query = "SELECT fname, mname, lname, DATE_FORMAT(bday, '%b
%e, %Y'), CASE WHEN gender = 1 THEN 'Male' ELSE 'Female' END
FROM patient WHERE pid_pk = $pid";
$result = mysql_query($query) or die(mysql_error());
$row = mysql_fetch_row($result);
$fname = $row[0];
$mname = $row[1];
$lname = $row[2];
$bday = $row[3];
$gender = $row[4];
$celno = $row[5];

if($cid != "" || $cid != 0){
    // consultation and preop
    $query = "SELECT DATE_FORMAT(prdate, '%b %e, %Y'),
DATE_FORMAT(or_dt, '%b %e, %l:%i %p'), age, weight, height,
surgeon, usr_name, bnum, premed,CASE WHEN dc_dt = '0000-00-00
00:00:00' THEN 0 ELSE 1 END, DATE_FORMAT(dc_dt, '%b %e, %Y %l:
%i %p'), dc_order, sched_proc, account FROM consultation, preop,
user, bed WHERE cid_pk = cid_fk AND uid_pk = aid_fk AND bid_pk =
bid_fk AND cid_pk = $cid";

```

```

$result = mysql_query($query);
if($crow = mysql_fetch_row($result)){
    $prdate = $crow[0];
    $pr_or = $crow[1];
    $age = $crow[2];
    $weight = $crow[3];
    $height = $crow[4];
    $surgeon = $crow[5];
    $consult = $crow[6];
    $cbcd = $crow[7];
    $premed = $crow[8];
    $discharged = $crow[9];
    $dc_dt = $crow[10];
    $dcorder = $crow[11];
    $sched_proc = $crow[12];
    $account = $crow[13];
}
else{
    $nopreop = 1;
    $hidepostop = "style='visibility:hidden'";
    $hiderr = "style='visibility:hidden'";
}

// postop
$query = "SELECT DATE_FORMAT(ordate, '%b %e, %Y'),
CONCAT(DATE_FORMAT(or_st, '%l:%i %p'), '-', DATE_FORMAT(or_et,
'%l:%i %p')), sproc, sassist, CONCAT(DATE_FORMAT(anes_st, '%l:%i
%p'), '-', DATE_FORMAT(anes_et, '%l:%i %p')), CONCAT(anes_type, '/',
anesagent), aassist_fk as aassist, CASE WHEN aassist_fk = 0 THEN
'ROD' ELSE (SELECT usr_name FROM user WHERE uid_pk = aassist)
END, CASE WHEN mal = 1 THEN 'I' WHEN mal = 2 THEN 'II' WHEN mal
= 3 THEN 'III' WHEN mal = 4 THEN 'IV' ELSE '' END, asa FROM postop
WHERE cid_fk = $cid";
$result = mysql_query($query);
if($prow = mysql_fetch_row($result)){
    $ordate = $prow[0];
    $ortime = $prow[1];
    $sproc = $prow[2];
    $sassist = $prow[3];
    $anestime = $prow[4];
    $anes = $prow[5];
    $aassist = $prow[7];
    $mal = $prow[8];
    $asa = $prow[9];
}
else{
    $nopostop = 1;
    $hiderr = "style='visibility:hidden'";
}

// rr
$query = "SELECT mid_pk, DATE_FORMAT(in_dt, '%b %e, %Y'),
nid_fk as nid, (SELECT usr_name FROM user WHERE uid_pk = nid),
bnum, DATE_FORMAT(in_dt, '%l:%i %p'), clearid_fk as clearid, (SELECT
usr_name FROM user WHERE uid_pk = clearid), CASE WHEN clearid_fk
= 0 THEN '' ELSE DATE_FORMAT(clear_dt, '%l:%i %p') END, CASE
WHEN out_dt = '0000-00-00 00:00:00' THEN '' ELSE
DATE_FORMAT(out_dt, '%l:%i %p') END, CASE WHEN
(DATE_FORMAT(duration, '%i')='00') THEN DATE_FORMAT(duration,
'%k hrs') WHEN (DATE_FORMAT(duration, '%k')='0') THEN
DATE_FORMAT(duration, '%i mins') ELSE DATE_FORMAT(duration, '%k
hrs, %i mins') END, DATE_FORMAT(end_dt, '%b %e %Y %T'), mactive,
CASE WHEN end_dt < NOW() THEN 1 ELSE 0 END,
DATE_FORMAT(end_dt, '%b %e, %l:%i %p'), CASE WHEN
(DATE_FORMAT(check_freq, '%i')='00') THEN
DATE_FORMAT(check_freq, '%khrs') ELSE DATE_FORMAT(check_freq,
'%khrs, %imins') END FROM management, rr, bed WHERE mid_pk =
mid_fk AND bid_pk = bid_fk AND cid_fk = $cid";
$result = mysql_query($query);
if($rrow = mysql_fetch_row($result)){
    $mid = $rrow[0];
    $rrdate = $rrow[1];
    $nurse = $rrow[3];
    $rrbed = $rrow[4];
    $sin = $rrow[5];
    $clearedby = $rrow[7];
    $clear = $rrow[8];
    $out = $rrow[9];
    $duration = $rrow[10];
    $monend = $rrow[11];
    $monended = $rrow[14];
    $mactive = $rrow[12];
    $check_freq = $rrow[15];
    if($rrow[13] == 1 && $discharged != 1){
        $toend = "style='color:red'";
    }
    else{
        $toend = "";
    }
    $nxttime = $monend;
    $cdloc = "spanmonitor";
}
else{
    $norr = 1;
}

```

```

if($mid != ""){
// pain scores
$psquery = "SELECT paid_pk,
DATE_FORMAT(ADDTIME(MAX(pain_dt), check_freq), '%b %e %Y %T'),
CASE WHEN (DATE_FORMAT(check_freq, '%i') = '00') THEN
DATE_FORMAT(check_freq, '%khrs') ELSE DATE_FORMAT(check_freq,
'%khrs, %imins') END, DATE_FORMAT(pain_dt, '%b %e, %Y %l:%i %p'),
score, CASE WHEN ADDTIME(MAX(pain_dt), check_freq) < NOW() THEN
1 ELSE 0 END FROM management, pain WHERE mid_pk = mid_fk AND
mid_pk = $mid GROUP BY pain_dt ORDER BY pain_dt DESC";
$psresult = mysql_query($psquery);
$psrtotal = mysql_num_rows($psresult);

if($mactive == 0 || $mactive == "" || $usr_typ != 'n'){
$editpain = "style='display:none";
}else{
$editpain = "";
}

$i = 0;
while($psrow = mysql_fetch_array($psresult)){
if($i == 0){
$nextcheck = $psrow[1];
$checkfreq = $psrow[2];
$checktime = $psrow[5];
}

if($psrow[4] > 4){
$pscore = "<font size='2'><b>" . $psrow[4] . "</b></font>";
}else{
$pscore = $psrow[4];
}

$pslist = $pslist . "<tr>
<td align='center'>" . $psrow[3] . "</td>
<td align='center'><a href='paindetails.php?view=1&paid=" .
$psrow[0] . ">" . $pscore . "</a></td>
<td align='center' . $editpain . "><a href='paindetails.php?
paid=" . $psrow[0] . ">Edit</a></td>
</tr>";
$i++;
}

if($psrtotal == 0){
$nopains = 1;
}else{
if($nxttime == ""){
$nxttime = $nextcheck;
$cdloc = "nxtcheck";
}else{
$nxttime = $nxttime . "*" . $nextcheck;
$cdloc = $cdloc . "*"nxtcheck";
}
}

// medications
$mquery = "SELECT DISTINCT medid_pk as medid,
medication.med_name, medication.med_dose, CASE WHEN
(DATE_FORMAT(med_freq, '%i')='00') THEN DATE_FORMAT(med_freq,
'%khrs') ELSE DATE_FORMAT(med_freq, '%khrs, %imins') END,
usr_name, DATE_FORMAT(med_start, '%b %e, %l:%i %p'),
DATE_FORMAT(CASE WHEN NOT EXISTS(SELECT medid_fk FROM
medication, carryout WHERE medid_pk = medid_fk AND medid_pk =
medid) THEN med_start ELSE ADDTIME((SELECT MAX(given_dt) FROM
carryout WHERE medid_fk=medid), med_freq) END, '%b %e %Y %T') as
nextint, CASE WHEN (CASE WHEN NOT EXISTS(SELECT medid_fk FROM
medication, carryout WHERE medid_pk = medid_fk AND medid_pk =
medid) THEN med_start ELSE ADDTIME((SELECT MAX(given_dt) FROM
carryout WHERE medid_fk=medid), med_freq) END) < NOW() THEN 1
ELSE 0 END, (SELECT COUNT(coid_pk) FROM carryout WHERE medid_fk
= medid), med_end, CASE WHEN NOT EXISTS(SELECT medid_fk FROM
medication, carryout WHERE medid_pk = medid_fk AND medid_pk =
medid) THEN med_start ELSE ADDTIME((SELECT MAX(given_dt) FROM
carryout WHERE medid_fk=medid), med_freq) END as nextintorder
FROM user, medication WHERE mid_fk = $mid AND uid_pk =
medication.oid_fk GROUP BY medid_pk ORDER BY nextintorder,
med_start DESC";
$mresult = mysql_query($mquery);
if(!mysql_num_rows($mresult)){
$nomeds = 1;
}

if($mactive == 0 || $mactive == ""){
$editmed = "style='display:none";
$editco = "style='display:none";
$editse = "style='display:none";
}else{
$editmed = "";
$editco = "";
$editse = "";
}

while($mrow = mysql_fetch_array($mresult)){
if($mrow[9] == 1){
$mlist = $mlist . "<tr>
<td><a href='medicationdetails.php?view=1&medid=" .
$mrow[0] . ">" . $mrow[1] . "</a></td>
<td>" . $mrow[2] . "</td>
<td>" . $mrow[3] . "</td>
<td>" . $mrow[4] . "</td>
<td>" . $mrow[5] . "</td>
<td align='center'>" . $mrow[8] . "</td>
</tr>";
$mptotal++;
}else{
if($mrow[7] == 1){
$intaketime = "<b><span id='span' . $mrow[0] .
">&nbsp;</span></b>";
}else{
$intaketime = "<span id='span' . $mrow[0] .
">&nbsp;</span>";
}
if($usr_typ == 'n'){
$givedmed = "<a href='carryoutdetails.php?medid=" . $mrow[0] .
">Carry Out</a> | ";
}
$mlist = $mlist . "<tr>
<td><a href='medicationdetails.php?view=1&medid=" .
$mrow[0] . ">" . $mrow[1] . "</a></td>
<td>" . $mrow[2] . "</td>
<td>" . $mrow[3] . "</td>
<td>" . $mrow[4] . "</td>
<td>" . $mrow[5] . "</td>
<td align='center'>" . $intaketime . "</td>
<td align='center'>" . $mrow[8] . "</td>
<td align='center' . $editmed . ">" . $givedmed . "<a
href='medicationdetails.php?medid=" . $mrow[0] . ">Edit</a> | <a
href='#' onclick='confirmStopMed('managemonitoring.php?
stop_med=1', " . $mrow[0] . ", " . $fname . ", $name . ", " .
$mrow[1] . ", " . $mrow[2] . ", " . $pid . ", " . $cid . ",
'patientdetails.php')\>Stop</a></td>
</tr>";
$matotal++;

if($nxttime == ""){
$nxttime = $mrow[6];
$cdloc = "span" . $mrow[0];
}else{
$nxttime = $nxttime . "*" . $mrow[6];
$cdloc = $cdloc . "*"span" . $mrow[0];
}
}

if($nomeds != 1){
// given medications
$gmquery = "SELECT medid_pk, coid_pk, carryout.med_name,
carryout.med_dose, carryout.oid_fk as oid, (SELECT usr_name FROM
user WHERE uid_pk = oid), DATE_FORMAT(sched_dt, '%b %e, %l:%i
%p'), DATE_FORMAT(given_dt, '%b %e, %l:%i %p'), nid_fk as nid,
(SELECT usr_name FROM user WHERE uid_pk = nid) FROM medication,
carryout WHERE medid_pk = medid_fk AND mid_fk = $mid ORDER BY
given_dt DESC";
$gmresult = mysql_query($gmquery);
if(!mysql_num_rows($gmresult)){
$nogiven = 1;
}
if($usr_typ != 'n'){
$editco = "style='display:none";
}
$count = 0;
while($gmrow = mysql_fetch_array($gmresult)){
$count++;
$gmlist = $gmlist . "<tr>
<td><a href='carryoutdetails.php?view=1&medid=" .
$gmrow[0] . "&coid=" . $gmrow[1] . ">" . $count . "</a></td>
<td>" . $gmrow[2] . "</td>
<td>" . $gmrow[3] . "</td>
<td>" . $gmrow[5] . "</td>
<td>" . $gmrow[6] . "</td>
<td>" . $gmrow[7] . "</td>
<td>" . $gmrow[9] . "</td>
</tr>";
}
}else{
$nogiven = 1;
}

// side effects
$sequery = "SELECT sfname, DATE_FORMAT(sfstart, '%b %e, %l:%i
%p'), CASE WHEN sfend='0000-00-00 00:00:00' THEN '' ELSE
DATE_FORMAT(sfend, '%b %e, %l:%i %p') END, sfid_pk FROM sidefx
WHERE mid_fk = $mid ORDER BY sfend ASC, sfstart DESC";

```



```

onClick="window.location='patientinformation.php?pid=?=$pid?
>&resetform=1'"></td>
<td width="295" valign="bottom"><input type="reset"
name="cancel" class="cssbutton" value="cancel"
onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"
onClick="window.location='patientdetails.php?pid=?=$pid?
>&cid=?=$cid?'"></td>
<td width="2" rowspan="6">&nbsp;</td>
</tr>
<tr>
<td colspan="4" align="center"><table class="boxwithheader"
width="500" border="0" cellpadding="1" cellspacing="0">
<tr>
<td colspan="3" class="headerbox">PERSONAL INFORMATION
</td>
</tr>
<tr>
<td colspan="3" align="right">&nbsp;</td>
</tr>
<tr>
<td width="167" align="right">Hospital No: </td>
<td width="4" rowspan="7">&nbsp;</td>
<td width="317"><input name="pidadd" type="text" size="25"
maxlength="25" value="<?=$pidadd?>" readonly = "readonly"
/></td>
</tr>
<tr>
<td align="right">First Name:</td>
<td width="317"><input name="fname" type="text" size="25"
maxlength="25" value="<?=$fname?>" /></td>
</tr>
<tr>
<td align="right">Middle Name:</td>
<td><input name="mname" type="text" size="25"
maxlength="25" value="<?=$mname?>" /></td>
</tr>
<tr>
<td align="right">Last Name:</td>
<td><input name="lname" type="text" size="25"
maxlength="25" value="<?=$lname?>" /></td>
</tr>
<tr>
<td align="right">Date of Birth: </td>
<td><input name="bday" size="14px" type="text"
readonly="readonly" class="text" value="<?=$bday?>" />
<input name="button" type="button" style="width:200px;
height:20px; background:url(images/cal.gif);"
onClick="javascript:showCal('birthdate')"></td>
</tr>
<tr>
<td align="right">Gender: </td>
<td><select name="gender" style="width:80px;">
<option value="">&nbsp;</option>
<? if($gender == 1){?>
<option value="1" selected="selected">Male</option>
<option value="2">Female</option>
<? }elseif($gender == 2){?>
<option value="1">Male</option>
<option value="2" selected="selected">Female</option>
<? }else{?>
<option value="1">Male</option>
<option value="2">Female</option>
<? }?>
</select></td>
</tr>
<tr>
<td colspan="3">&nbsp;</td>
</tr>
</table></td>
</tr>
<tr>
<td colspan="4">&nbsp;</td>
<td colspan="4">&nbsp;</td>
</tr>
</table>
</form>
</table>
<? include 'include/footer.lbi'; ?>
</html>

```

```

patients.php
<?php
// list of patients under monitoring
include 'include/configuration.php';
include 'include/popmsfunctions.php';
session_start();

```

```

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

switch($orderby){
case 1: $order = "mid_pk"; break;
case 2: $order = "CONCAT(UPPER(lname) , ' ', fname)"; break;
case 3: $order = "bnum"; break;
case 4: $order = "aname"; break;
case 5: $order = "aassistname"; break;
case 6: $order = "score"; break;
default: $order = "end_dt";
}

if($ploc == 0){
$head = "RR";
$cond = "bid_pk = rr.bid_fk AND rid_pk = bed.rid_fk AND fno_pk =
fno_fk AND out_dt = '0000-00-00 00:00:00'";
}else{
$head = "FLOOR " . $ploc;
$cond = "out_dt <> '0000-00-00 00:00:00' AND bid_pk =
consultation.bid_fk AND rid_pk = bed.rid_fk AND fno_pk = fno_fk AND
fno_fk = " . $ploc;
}

if($usr_typ == 'a'){
$consulted = "AND (aid_fk = " . $usr_id . " OR aassist_fk = " .
$usr_id . ")";
}

if($usr_typ == 'n'){
if(date('G') < 6 || date('G') > 21){
$nacondition = "(DATE_FORMAT(NOW(), '%Y%m%d%H%i%s')
BETWEEN DATE_FORMAT(CONCAT(adate, ' ', stime), '%Y%m%d%H%i
%s') AND DATE_FORMAT(CONCAT(ADATE_ADD(adate, INTERVAL 1 DAY),
' ', etime), '%Y%m%d%H%i%s'))";
}else{
$nacondition = "(DATE_FORMAT(NOW(), '%Y%m%d%H%i%s')
BETWEEN DATE_FORMAT(CONCAT(adate, ' ', stime), '%Y%m%d%H%i
%s') AND DATE_FORMAT(CONCAT(adate, ' ', etime), '%Y%m%d%H%i
%s'))";
}

$ntables = "assign, anurse, aroom, ";
$condition = " AND anurse.nid_fk = " . $usr_id . " AND rid_pk =
aroom.rid_fk AND asid_pk = aroom.asid_fk AND asid_pk =
anurse.asid_fk AND $nacondition";
}

}

$query = "SELECT CONCAT(UPPER(lname), ' ', fname), bnum,
aid_fk as aid, aassist_fk as aassist, (SELECT usr_name from user
WHERE uid_pk = aid) as aname, (CASE WHEN aassist_fk = 0 THEN
'&nbsp;' ELSE (SELECT usr_name from user WHERE uid_pk = aassist)
END) as aassistname, score, DATE_FORMAT(end_dt, '%b %e %Y %T'),
pid_pk, mid_pk as mid, CASE WHEN end_dt < NOW() THEN 1 ELSE 0
END, cid_pk FROM patient, bed, room, floor, $ntables consultation,
preop, postop LEFT JOIN management ON postop.cid_fk =
management.cid_fk LEFT JOIN rr ON mid_pk = mid_fk LEFT JOIN pain
ON rr.mid_fk = pain.mid_fk WHERE CASE WHEN paid_pk IS NULL THEN
1 ELSE pain_dt = (SELECT pain_dt FROM pain WHERE mid_fk = mid
ORDER BY pain_dt DESC LIMIT 0,1) END AND pid_pk = pid_fk AND
cid_pk = preop.cid_fk AND cid_pk = postop.cid_fk AND cid_pk =
management.cid_fk AND CASE WHEN paid_pk IS NULL THEN 1 ELSE
mid_pk = pain.mid_fk END AND mid_pk = rr.mid_fk AND dc_order="
AND mactive = 1 AND $cond $consulted $ncondition GROUP BY pid_pk
ORDER BY $order $ascorder";
$result = mysql_query($query);

// total number of patients under monitoring (in a location)
$nummax = mysql_num_rows($result);

$recordsperpage = 25;
paging($nummax, $recordsperpage, $liststart, $listend, "&ploc=" .
$ploc . "&orderby=" . $orderby . "&ascorder=" . $ascorder,
"patients");
$hasprev = $_POST['hasprev'];
$hasnext = $_POST['hasnext'];
$liststart = $_POST['liststart'];
$listend = $_POST['listend'];

$i = 1;
while($umrow = mysql_fetch_array($result)){
if(($liststart <= $i) && ($i <= $listend)){
$umlist = $umlist . "<tr>
<td align='center'" . $umrow[9] . "</td>

```

```

        <td><a href='patientdetails.php?pid=' . $umrow[8] . "&cid=" .
$umrow[11] . "'>" . $umrow[0] . "</a></td>
        <td>" . $umrow[1] . "</td>
        <td>" . $umrow[4] . "</td>
        <td>" . $umrow[5] . "</td>";

        $cquery = "SELECT sfname FROM sidefx WHERE mid_fk = $umrow[9]
AND sfend = '0000-00-00 00:00:00'";
        $cresult = mysql_query($cquery);
        $ctotal = mysql_num_rows($cresult);

        $umlist = $umlist . "<td><a href='patientdetails.php?pid=" .
$umrow[8] . "&cid=" . $umrow[11] . "#effects'>";

        if($ctotal == 0){
            $umlist = $umlist . "&nbsp;";
        }else{
            $ccount = 1;
            while($crow = mysql_fetch_array($cresult)){
                if($ccount == 1){
                    $umlist = $umlist . $crow[0];
                    $ccount++;
                }else{
                    $umlist = $umlist . ", " . $crow[0];
                }
            }
        }
        $umlist = $umlist . "</a></td>";

        $mquery = "SELECT med_name, med_dose FROM medication WHERE
mid_fk = $umrow[9] AND med_end = 0";
        $mresult = mysql_query($mquery);
        $mtotal = mysql_num_rows($mresult);

        $umlist = $umlist . "<td><a href='patientdetails.php?pid=" .
$umrow[8] . "&cid=" . $umrow[11] . "#meds'>";

        if($mtotal == 0){
            $umlist = $umlist . "&nbsp;";
        }else{
            $mcount = 1;
            while($mrow = mysql_fetch_array($mresult)){
                if($mcount == 1){
                    $umlist = $umlist . $mrow[0] . "(" . $mrow[1] . ")";
                    $mcount++;
                }else{
                    $umlist = $umlist . ", <br/>" . $mrow[0] . "(" . $mrow[1] . ")";
                }
            }
        }
        $umlist = $umlist . "</a></td>";

        if($umrow[6] > 4){
            $pscore = "<font size='2'><b>" . $umrow[6] . "</b></font>";
        }else{
            $pscore = $umrow[6];
        }
        $umlist = $umlist . "<td align='center'><a href='patientdetails.php?
pid=" . $umrow[8] . "&cid=" . $umrow[11] . "#pains'>" . $pscore .
"</a></td>";

        if($umrow[10] == 1){
            $etime = "<b><span id='span" . $umrow[8] .
">&nbsp;&nbsp;&nbsp;</span></b>";
        }else{
            $etime = "<span id='span" . $umrow[8] . "'>&nbsp;&nbsp;&nbsp;</span>";
        }
        $umlist = $umlist . "<td align='center'>" . $etime . "</td>
        <td align='center'><a href='#'
onclick='confirmStopMonitor('managemonitoring.php?
stop_monitor=1', " . $umrow[9] . ", " . $umrow[0] . ", " . $umrow[8] . ",
" . $umrow[11] . ", 'patients.php?ploc=" . $ploc . "')'>Stop
Monitor</a></td>
        </tr>";

        if($i == 1){
            $endtime = $umrow[7];
            $spanid = "span" . $umrow[8];
        }else{
            $endtime = $endtime . "*" . $umrow[7];
            $spanid = $spanid . "*" . $umrow[8];
        }

        $i++;
    }else{
        $i++;
    }
}
}
closedb();
?>

```

```

<html>
<head>
<title>POPMS Patients Under Monitoring</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<script language="javascript" src="include/popmsscript.js"></script>
<link href="include/popmsscsc.css" rel="stylesheet" type="text/css">

<link href="include/default.css" rel="stylesheet" type="text/css"/>
<script language="javascript" src="include/prototype.js"></script>
<script language="javascript" src="include/window.js"></script>
</head>

<body onLoad="if('<?=$usr_typ?>'=='n'){smsMessages();}
searchPatient(); document.getElementById('clock').firstChild.nodeValue
= updateClock();
setInterval('document.getElementById('clock').firstChild.nodeValue =
updateClock()', 1000); if('<?=$ummax?>' != 0){countDown('<?
=$endtime?>', '<?=$spanid?>');}>
<? include 'include/header.php'; ?>
<table width="980" border="0">
    <tr>
        <td colspan="2"><font
class="title">UNDER&nbsp;&nbsp;&nbsp;MONITORING&nbsp;&nbsp;&nbsp;PATIENTS</font>&nbsp;&nbsp;&nbsp;
</td>
        <td colspan="2"><font class="subtitle">IN&nbsp;&nbsp;&nbsp;<?=$head?></font></td>
    </tr>
    <tr>
        <td colspan="2">&nbsp;&nbsp;&nbsp;</td>
        <td colspan="2">&nbsp;&nbsp;&nbsp;</td>
    </tr>
    <tr>
        <td colspan="2"><?
if($ummax != 0){
?>
        <tr>
            <td valign="top" class="notify"><?=$msg?></td>
            <td align="right" valign="top" class="notify">Patients&nbsp;&nbsp;&nbsp;<?
=$liststart?><?=$listend?>&nbsp;&nbsp;&nbsp;of&nbsp;&nbsp;&nbsp;<?=$ummax?>
&nbsp;&nbsp;&nbsp;<?=$hasprev?>&nbsp;&nbsp;&nbsp;|&nbsp;&nbsp;&nbsp;<?=$hasnext?></td>
        </tr>
        <tr>
            <td colspan="2">
                <table width="976" class="listcontent" cellpadding="0"
cellspacing="0" border="1" bordercolor="#eaeaea">
                    <tr>
                        <td colspan="2">
                            if($ascordesc == "DESC") || ($ascordesc == ""){
                                $ascordesc = "ASC";
                            }else{
                                $ascordesc = "DESC";
                            }
                        <?>
                        <td class="listheader"><a href="patients.php?ploc=<?=$ploc
>&ascordesc=<?=$ascordesc?>&orderby=1">MID</a></td>
                        <td class="listheader"><a href="patients.php?ploc=<?=$ploc
>&ascordesc=<?=$ascordesc?>&orderby=2">Patient
Name</a></td>
                        <td class="listheader"><a href="patients.php?ploc=<?=$ploc
>&ascordesc=<?=$ascordesc?>&orderby=3">Bed No</a></td>
                        <td class="listheader"><a href="patients.php?ploc=<?=$ploc
>&ascordesc=<?=$ascordesc?>&orderby=4">Anesthesiologist</a></td>
                        <td class="listheader"><a href="patients.php?ploc=<?=$ploc
>&ascordesc=<?=$ascordesc?>&orderby=5">Assistant</a></td>
                        <td class="listheader">Complications</td>
                        <td class="listheader">Medications</td>
                        <td class="listheader"><a href="patients.php?ploc=<?=$ploc
>&ascordesc=<?=$ascordesc?>&orderby=6">Pain Score</a></td>
                        <td class="listheader" width="125"><a href="patients.php?
ploc=<?=$ploc?>&ascordesc=<?=$ascordesc?>">Monitoring
End</a></td>
                        <td class="listheader">Action</td>
                    </tr>
                    <tr>
                        <td colspan="2"><?=$umlist?>
                    </td>
                </table>
            </td>
            <td colspan="2">
                <td height="27" colspan="2" align="right" valign="top"
class="notify">Patients&nbsp;&nbsp;&nbsp;<?=$liststart?><?=$listend?
&nbsp;&nbsp;&nbsp;of&nbsp;&nbsp;&nbsp;<?=$ummax?>&nbsp;&nbsp;&nbsp;<?=$hasprev?
&nbsp;&nbsp;&nbsp;|&nbsp;&nbsp;&nbsp;<?=$hasnext?></td>
            </td>
            <td colspan="2"><?>
            <tr rowspan="3">
                <td colspan="2" class="error">No patient records found.</td>
            </tr>
            <tr>
                <td colspan="2"><?>
            </tr>
            <tr>
                <td colspan="2"><td colspan="2">&nbsp;&nbsp;&nbsp;</td>
            </tr>
        </tr>
    </table>

```



```

</tr>
<tr>
<td colspan="2">
<table width="800" class="listcontent" cellpadding="0"
cellspacing="0" border="1" bordercolor="#eaeaea" align="center">
<tr>
<?
if($ascordesc == "DESC"){
$ascordesc = "ASC";
}else{
$ascordesc = "DESC";
}
?>
<td class="listheader"><a href="patientsearch.php?shnum=<?
=$shnum?>&spname=<?=$spname?>&sandor=<?=$sandor?
>&ascordesc=<?=$ascordesc?>&orderby=1">Hospital No</a></td>
<td class="listheader"><a href="patientsearch.php?shnum=<?
=$shnum?>&spname=<?=$spname?>&sandor=<?=$sandor?
>&ascordesc=<?=$ascordesc?>">Patient Name</a></td>
<td class="listheader"><a href="patientsearch.php?shnum=<?
=$shnum?>&spname=<?=$spname?>&sandor=<?=$sandor?
>&ascordesc=<?=$ascordesc?>&orderby=2">Record No</a></td>
<td class="listheader"><a href="patientsearch.php?shnum=<?
=$shnum?>&spname=<?=$spname?>&sandor=<?=$sandor?
>&ascordesc=<?=$ascordesc?>&orderby=3">Consult
Date</a></td>
</tr>
<?=$slist?>
</table></td>
</tr>
<tr>
<td height="27" align="right" valign="top"
class="notify">Records<?=$liststart?><?=$listend?
>&nbsp;of&nbsp;?=$smax?&nbsp;?=$hasprev?&nbsp;
&nbsp;?=$hasnext?></td>
<td height="27">&nbsp;</td>
</tr>
<?
}else{
?>
<tr rowspan="3">
<td colspan="2">&nbsp;</td>
</tr>
<tr rowspan="3">
<td colspan="2" class="error">No patient records found.</td>
</tr>
<?
}
?>
<tr>
<td colspan="2">&nbsp;</td>
</tr>
</table>
<? include 'include/footer.lbi'; ?>
</body>
</html>

postopdata.php
<?php
// post operation data

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

// patient name
$pquery = "SELECT CONCAT(fname, ' ', lname) FROM patient WHERE
pid_pk = $pid";
$result = mysql_query($pquery);
$prrow = mysql_fetch_row($result);
$pname = $prrow[0];

// postop primary key
$pkquery = "SELECT poid_pk FROM postop WHERE cid_fk = $cid";
$pkresult = mysql_query($pkquery);
$pkrow = mysql_fetch_row($pkresult);
$pooid = $pkrow[0];

// checks if the page has past values
if(($ordate == "") && ($ors_hour == "") && ($ors_min == "" ||
$ors_min == 0) && ($ors_ampm == "") && ($ore_hour == "")) &&
($sore_min == "" || $sore_min == 0) && ($sore_ampm == "") && ($sproc
== "") && ($sassist == "") && ($sness_hour == "") && ($sness_min
== "" || $sness_min == 0) && ($sness_ampm == "") && ($sane_hour
== "") && ($sane_min == "" || $sane_min == 0) && ($sane_ampm
== "") && ($atype == "") && ($aagent == "") && ($aassist == "") &&
($smal == "") && ($asa == "") && ($asae == "") && ($spoid != 0) ||
(($resetform == 1) && ($poid != 0)){
$poquery = "SELECT DATE_FORMAT(ordate, '%Y-%m-%d'),
DATE_FORMAT(or_st, '%l'), DATE_FORMAT(or_st, '%i'),
DATE_FORMAT(or_st, '%p'), DATE_FORMAT(or_et, '%l'),
DATE_FORMAT(or_et, '%i'), DATE_FORMAT(or_et, '%p'), sproc, sassist,
DATE_FORMAT(anes_st, '%l'), DATE_FORMAT(anes_st, '%i'),
DATE_FORMAT(anes_st, '%p'), DATE_FORMAT(anes_et, '%l'),
DATE_FORMAT(anes_et, '%i'), DATE_FORMAT(anes_et, '%p'), anestype,
anesagent, aassist_fk, mal, asa FROM postop where poid_pk = $poid";
$poresult = mysql_query($poquery) or die(mysql_error());
$porow = mysql_fetch_row($poresult);
$ordate = $porow[0];
$ors_hour = $porow[1];
$ors_min = $porow[2];
$ors_ampm = $porow[3];
$ore_hour = $porow[4];
$ore_min = $porow[5];
$ore_ampm = $porow[6];
$sproc = $porow[7];
$sassist = $porow[8];
$sness_hour = $porow[9];
$sness_min = $porow[10];
$sness_ampm = $porow[11];
$sane_hour = $porow[12];
$sane_min = $porow[13];
$sane_ampm = $porow[14];
$atype = $porow[15];
$aagent = $porow[16];
$aassist = $porow[17];
$smal = $porow[18];
$asa = substr($porow[19],0,1);
if(substr($porow[19],1) == E){
$secheck = "checked";
}else{
$secheck = "";
}
}

// fill OR date and time with scheduled date
if(($ordate == "") && ($ors_hour == "") && ($ors_min == "" ||
$ors_min == 0) && ($ors_ampm == "") && ($ore_hour == "") &&
($sore_min == "" || $sore_min == 0) && ($sore_ampm == "") && ($sproc
== "") && ($sassist == "") && ($sness_hour == "") && ($sness_min
== "" || $sness_min == 0) && ($sness_ampm == "") && ($sane_hour
== "") && ($sane_min == "" || $sane_min == 0) && ($sane_ampm
== "") && ($atype == "") && ($aagent == "") && ($aassist == "") &&
($smal == "") && ($asa == "") && ($asae == "") && ($spoid == 0) ||
(($resetform == 1) && ($poid == 0)){
$prquery = "SELECT DATE_FORMAT(or_dt, '%Y-%m-%d'),
DATE_FORMAT(or_dt, '%h'), DATE_FORMAT(or_dt, '%i'),
DATE_FORMAT(or_dt, '%p'), sched_proc, DATE_FORMAT(NOW(), '%h'),
DATE_FORMAT(NOW(), '%i'), DATE_FORMAT(NOW(), '%p') FROM preop
WHERE cid_fk = $cid";
$prresult = mysql_query($prquery) or die(mysql_error());
$prrow = mysql_fetch_row($prresult);
$ordate = $prrow[0];
$ors_hour = $prrow[1];
$ors_min = $prrow[2];
$ors_ampm = $prrow[3];
$ore_hour = $prrow[5];
$ore_min = $prrow[6];
$ore_ampm = $prrow[7];
$sproc = $prrow[4];
$sness_hour = $prrow[1];
$sness_min = $prrow[2];
$sness_ampm = $prrow[3];
$sane_hour = $prrow[5];
$sane_min = $prrow[6];
$sane_ampm = $prrow[7];

if($usr_typ == 'r'){
$aassist = $usr_id;
}

// list of doctors
$dquery = "SELECT uid_pk, usr_name, ustatus FROM user WHERE
(usr_type = 'a' OR usr_type = 'r') AND usr_name <> 'AROD' ORDER BY
usr_name";
$dresult = mysql_query($dquery);

$aassist_opt = "<option value="">&nbsp;</option>";
while($drow = mysql_fetch_array($dresult)){
if($drow[2] == 2 || $drow[2] == 0){
if($aassist == $drow[0]){
$dselect = "selected";
}
}
}
}

```

```

    $aassist_opt = $aassist_opt . "<option value=" . $drow[0] .
    selected >" . $drow[1] . "</option>";
    }
    }else{
    if($aassist == $drow[0]){
    $dselect = "selected";
    }else{
    $dselect = "";
    }
    $aassist_opt = $aassist_opt . "<option value=" . $drow[0] . " " .
    $dselect . ">" . $drow[1] . "</option>";
    }
    }
    closedb();
    ?>

<html>
<head>
<title>POPMS Post-Operation Data</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<script language="javascript" src="include/popmsscript.js"></script>
<script language="javascript" src="include/calendar.js"></script>
<link href="include/popmcss.css" rel="stylesheet" type="text/css">

<link href="include/default.css" rel="stylesheet" type="text/css"/>
<script language="javascript" src="include/prototype.js"> </script>
<script language="javascript" src="include/window.js"> </script>
</head>

<body onLoad="if('<?=$usr_typ?'!='n'){smsMessages();}
searchPatient(); document.getElementById('clock').firstChild.nodeValue
= updateClock();
setInterval('document.getElementById('clock').firstChild.nodeValue =
updateClock()', 1000 );">
<? include 'include/header.php' ?>
<table width="980" border="0">
  <tr>
    <td colspan="6"><font
class="title">POST&nbsp;OPERATION</font>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<font
class="subtitle">DATA</font></td>
    </tr>
    <tr>
    <td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
    <td colspan="4" height="">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
    <td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
    </tr>
    <form method="post" action="managepostop.php"
name="editpostopform">
    <tr>
    <td rowspan="4" width="76">&nbsp;&nbsp;&nbsp;</td>
    <td colspan="4" class="attention" valign="bottom">HOSPITAL NO:
<?=$pid?><br>RECORD NO: <?=$cid?><br>PATIENT NAME: <a
href="patientdetails.php?pid=<?=$pid?>&cid=<?=$cid?>"><?
=strtoupper($pname)?></a></td>
    <td rowspan="4" width="87">&nbsp;&nbsp;&nbsp;</td>
    </tr>
    <tr>
    <td colspan="4">&nbsp;&nbsp;&nbsp;</td>
    </tr>
    <tr>
    <td colspan="4">&nbsp;&nbsp;&nbsp;</td>
    </tr>
    <tr>
    <td colspan="4">&nbsp;&nbsp;&nbsp;</td>
    </tr>
    <tr>
    <td colspan="6">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
    if($success == 1){
    $msgcss = "notify";
    }else{
    $msgcss = "error";
    }
    ?>
    <td width="551" height="40" valign="top" class="<?=$msgcss?
"><?=$msg?></td>
    <td width="93" align="right"><input type="submit" name="save"
class="cssbutton" value="save"
onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"></td>
    <td width="76" align="center"><input type="reset" name="reset"
class="cssbutton" value="reset"
onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"
onClick="window.location='postopdata.php?pid=<?=$pid?>&cid=<?
=$cid?>&poid=<?=$poid?>&resetform=1'"></td>
    <td width="71"><input type="reset" name="cancel"
class="cssbutton" value="cancel"
onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"
onClick="window.location='patientdetails.php?pid=<?=$pid?
>&cid=<?=$cid?>"></td>
    </tr>
    <tr>
    <td colspan="4">
    <table class="boxwithheader" width="800" height="200">
      <tr>
        <td colspan="6"><div style="border: 1px solid black; padding: 5px;">
        <div style="border-bottom: 1px solid black; margin-bottom: 5px;">
        OPERATION INFORMATION
        </div>
        </tr>
        <tr>
        <td colspan="6">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
        </td>
        </tr>
        <tr>
        <td colspan="6">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
        </td>
        </tr>
        <tr>
        <td align="right">Date of Surgery:</td>
        <td rowspan="5" style="vertical-align: top; padding: 5px;">&nbsp;&nbsp;&nbsp;&nbsp;&
        <input type="text" name="ordate" size="14px" value="<?=$ordate?>"
        <input type="button" style="width:20px; height:20px;
background:url(images/cal.gif);"
onClick="javascript:showCal('postop')" ></td>
        <td align="right">Anesthesia Start: </td>
        <td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td>
        <td><select name="anesh_hour" style="width:45px">
        <option value="">&nbsp;&nbsp;&nbsp;</option>
        <? for($i=1;$i<13;$i++){?>
        <? if($anesh_hour == $i){
        $anesh_select = "selected";
        }else{
        $anesh_select = "";
        }
        ?>
        <? if($i<10){?>
        <option value="<?="0".$i?>" <?=$anesh_select?> ><?="0".
        $i?></option>
        <? }else{?>
        <option value="<?=$i?>" <?=$anesh_select?> ><?=$i?
        ></option>
        <? }?>
        </select>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
        <select name="anesh_min" style="width:45px">
        <? for($i=0;$i<60;$i++){?>
        <? if($anesh_min == $i){
        $aneshm_select = "selected";
        }else{
        $aneshm_select = "";
        }
        ?>
        <? if($i<10){?>
        <option value="<?="0".$i?>" <?=$aneshm_select?> ><?
        =0".$i?></option>
        <? }else{?>
        <option value="<?=$i?>" <?=$aneshm_select?> ><?=$i?
        ></option>
        <? }?>
        </select>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
        <select name="anesh_ampm" style="width:45px;">
        <option value="">&nbsp;&nbsp;&nbsp;</option>
        <? if($anesh_ampm == 'PM'){?>
        <option value="AM">AM</option>
        <option value="PM" selected>PM</option>
        <? }elseif($anesh_ampm == 'AM'){?>
        <option value="AM" selected>AM</option>
        <option value="PM">PM</option>
        <? }else{?>
        <option value="AM">AM</option>
        <option value="PM">PM</option>
        <? }?>
        </select></td>
        <tr>
        <td align="right">OR Start:</td>
        <td><select name="ors_hour" style="width:45px">
        <option value="">&nbsp;&nbsp;&nbsp;</option>
        <? for($i=1;$i<13;$i++){?>
        <? if($ors_hour == $i){
        $ors_select = "selected";
        }else{
        $ors_select = "";
        }
        ?>
        <? if($i<10){?>
        <option value="<?="0".$i?>" <?=$ors_select?> ><?="0".$i?
        ></option>
        <? }else{?>
        <option value="<?=$i?>" <?=$ors_select?> ><?=$i?
        ></option>
        <? }?>
        </select>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
        <select name="ors_min" style="width:45px">
        <? for($i=0;$i<60;$i++){?>
        <? if($ors_min == $i){
        $orsm_select = "selected";
        }else{
        $orsm_select = "";
        }
        ?>
      </tr>
    </table>
    </tr>
  </table>

```



```
<td width="65" valign="bottom"><input type="reset"
name="cancel" class="cssbutton" value="cancel"
onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"
onClick="window.location='nurshome.php'"></td>
<td width="2" rowspan="7">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td colspan="4">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td colspan="4" align="center"><table class="boxwithheader"
width="450" height="425" border="0" cellpadding="1"
cellspacing="0" align="left">
<tr>
<td colspan="3" class="headerbox" height="18">PERSONAL
INFORMATION </td>
</tr>
<tr>
<td colspan="3" align="right" height="60">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td width="167" align="right">Hospital No: </td>
<td width="4" rowspan="6">&nbsp;&nbsp;&nbsp;</td>
<td width="317"><input name="pidadd" type="text" size="25"
maxlength="25" value="<?=$pidadd?" /></td>
</tr>
<tr>
<td align="right">First Name:</td>
<td width="317"><input name="fname" type="text" size="25"
maxlength="25" value="<?=$fname?" /></td>
</tr>
<tr>
<td align="right">Middle Name:</td>
<td><input name="mname" type="text" size="25"
maxlength="25" value="<?=$mname?" /></td>
</tr>
<tr>
<td align="right">Last Name:</td>
<td><input name="lname" type="text" size="25"
maxlength="25" value="<?=$lname?" /></td>
</tr>
<tr>
<td align="right">Date of Birth: </td>
<td><input name="bday" size="14px" type="text"
readonly="readonly" class="text" value="<?=$bday?" />
<input name="button" type="button" style="width:20px;
height:20px; background:url(images/cal.gif);"
onClick="javascript:showCal('birthdate')"></td>
</tr>
<tr>
<td align="right">Gender:</td>
<td><select name="gender" style="width:80px;">
<option value="">&nbsp;&nbsp;&nbsp;</option>
<? if($gender == 1){?>
<option value="1" selected="selected">Male</option>
<option value="2">Female</option>
<? }elseif($gender == 2){?>
<option value="1">Male</option>
<option value="2" selected="selected">Female</option>
<? }else{?>
<option value="1">Male</option>
<option value="2">Female</option>
<? }?>
</select></td>
</tr>
<tr>
<td colspan="3" height="100">&nbsp;&nbsp;&nbsp;</td>
</tr>
</table>
<table class="boxwithheader" width="500" align="right">
<tr>
<td colspan="4" class="headerbox"
height="15">CONSULTATION AND PRE OPERATION DETAILS </td>
</tr>
<tr>
<td colspan="4" align="right">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td colspan="2" align="right">Record No: </td>
<td width="4" rowspan="10">&nbsp;&nbsp;&nbsp;</td>
<td width="374"><input name="cidadd" type="text" size="25"
maxlength="25" value="<?=$cidadd?" /></td>
</tr>
<tr>
<td colspan="2" align="right">Account:</td>
<td width="374"><input name="account" type="text"
size="25" maxlength="25" value="<?=$account?" /></td>
</tr>
<tr>
<td colspan="2" align="right">Room:</td>
<td width="374"><select name="rid" style="width:110px"
onChange="window.location='preopassess.php?pid=<?=$pid?
>&cid=<?=$cid?&pidadd=' + pidadd.value + '&fname=' +
fname.value + '&mname=' + mname.value + '&lname=' +
lname.value + '&bday=' + bday.value + '&gender=' + gender.value +
'&cidadd=' + cidadd.value + '&account=' + account.value + '&rid=' +
this.value + '&or_date=' + or_date.value + '&or_ampm=' +
or_ampm.value + '&or_min=' + or_min.value + '&or_ampm=' +
or_ampm.value + '&weight=' + weight.value + '&height=' +
height.value + '&surgeon=' + surgeon.value + '&aid=' + aid.value +
'&premed=' + premed.value + '&sched_proc=' + sched_proc.value">
<?=$rlist?>
</select></td>
</tr>
<tr>
<td colspan="2" align="right">Bed:</td>
<td width="374"><select name="bid" style="width:110px">
<?=$blist?>
</select></td>
</tr>
<tr>
<td colspan="2" align="right">Date of Surgery: </td>
<td width="374"><input name="or_date" size="14px"
type="text" readonly="readonly" class="text" value="<?=$or_date?
">
<input name="button" type="button" style="width:20px;
height:20px; background:url(images/cal.gif);"
onClick="javascript:showCal('preop')">
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
<select name="or_hour" style="width:45px">
<option value="">&nbsp;&nbsp;&nbsp;</option>
<? for($i=1;$i<13;$i++){?>
<? if($or_hour == $i){
$orh_select = "selected";
}else{
$orh_select = "";
}
?>
<? if($i<10){?>
<option value="<?="0".$i?" "><?=$orh_select?" >
<?="0".$i?" ">
</option>
<? }else{?>
<option value="<?=$i?" "><?=$orh_select?" >
<?=$i?" ">
</option>
<? }?>
<? }?>
</select>
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
<select name="or_min" style="width:45px">
<? for($i=0;$i<60;$i++){?>
<? if($or_min == $i){
$orm_select = "selected";
}else{
$orm_select = "";
}
?>
<? if($i<10){?>
<option value="<?="0".$i?" "><?=$orm_select?" >
<?="0".$i?" ">
</option>
<? }else{?>
<option value="<?=$i?" "><?=$orm_select?" >
<?=$i?" ">
</option>
<? }?>
<? }?>
</select>
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
<select name="or_ampm" style="width:45px;">
<option value="">&nbsp;&nbsp;&nbsp;</option>
<? if($or_ampm == 'PM'){?>
<option value="AM">AM</option>
<option value="PM" selected="selected">PM</option>
<? }elseif($or_ampm == 'AM'){?>
<option value="AM" selected="selected">AM</option>
<option value="PM">PM</option>
<? }else{?>
<option value="AM">AM</option>
<option value="PM">PM</option>
<? }?>
</select></td>
</tr>
<tr>
<td colspan="2" align="right">Procedure:</td>
<td width="374"><input name="sched_proc" type="text"
size="25" maxlength="25" value="<?=$sched_proc?" /></td>
</tr>
<tr>
<td colspan="2" align="right">Weight:</td>
```

```

        <td><input name="weight" size="14px" type="text"
class="text" value="<?=$weight?>" &nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td colspan="2" align="right">Height:</td>
<td><input name="height" size="14px" type="text"
class="text" value="<?=$height?>" &nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td colspan="2" align="right">Surgeon:</td>
<td><input name="surgeon" type="text" size="25"
maxlength="25" value="<?=$surgeon?>" /></td>
</tr>
<tr>
<td colspan="2" align="right">Anesthesiologist:</td>
<td><select name="aid" style="width:150px" >
<?=$alist?>
</select></td>
</tr>
<tr>
<td colspan="4">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td width="99" rowspan="2">&nbsp;&nbsp;&nbsp;</td>
<td colspan="3">Pre Anesthesia Medication:</td>
</tr>
<tr>
<td colspan="3"><textarea name="premed"
style="width:300px; height:50px;" ><?=$premed?>
</textarea></td>
</tr>
<tr>
<td colspan="4">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
<td colspan="4">&nbsp;&nbsp;&nbsp;</td>
<input type="hidden" name="pid" value="<?=$pid?>" />
<input type="hidden" name="cid" value="<?=$cid?>" />
<input type="hidden" name="mend" value="<?=$mend?>" />
<input type="hidden" name="pi" value="<?=$pi?>" />
<input type="hidden" name="preop" value="<?=$preop?>" />
</tr>
</form>
</table>
<? include 'include/footer.lbi'; ?>
</html>

```

preopdata.php

```

<?php
// patient's consultation and pre-operative details

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

// patient name
$pquery = "SELECT CONCAT(fname, ' ', lname) FROM patient WHERE
pid_pk = $pid";
$result = mysql_query($pquery);
$row = mysql_fetch_row($result);
$name = $row[0];

// checks if the page has past values
if(($cidadd == "") && ($account == "") && ($rid == 0) && ($bid ==
0) && ($or_date == "") && ($age == "") && ($weight == "") &&
($height == "") && ($surgeon == "") && ($aid == 0) && ($premed ==
"") && ($sched_proc == "") && ($cid != 0) || (($resetform == 1) &&
($cid != 0))){
    $pquery = "SELECT account, rid_fk, bid_fk, DATE_FORMAT(or_dt,
'%Y-%m-%d'), DATE_FORMAT(or_dt, '%l'), DATE_FORMAT(or_dt, '%i'),
DATE_FORMAT(or_dt, '%p'), age, CASE WHEN weight = 0 THEN '' ELSE
weight END, CASE WHEN height = 0 THEN '' ELSE height END, surgeon,
aid_fk, premed, sched_proc FROM bed, room, consultation, preop
WHERE bid_pk = bid_fk AND rid_pk = rid_fk AND cid_pk = cid_fk AND
cid_pk = $cid";
    $prresult = mysql_query($pquery) or die(mysql_error());

```

```

    $prow = mysql_fetch_row($prresult);
    $cidadd = $cid;
    $account = $prow[0];
    $rid = $prow[1];
    $bid = $prow[2];
    $or_date = $prow[3];
    $or_hour = $prow[4];
    $or_min = $prow[5];
    $or_ampm = $prow[6];
    $age = $prow[7];
    $weight = $prow[8];
    $height = $prow[9];
    $surgeon = $prow[10];
    $aid = $prow[11];
    $premed = $prow[12];
    $sched_proc = $prow[13];
}

if(($cidadd == "") && ($account == "") && ($rid == 0) && ($bid ==
0) && ($or_date == "") && ($age == "") && ($weight == "") &&
($height == "") && ($surgeon == "") && ($aid == 0) && ($premed ==
"") && ($sched_proc == "") && ($cid == 0) || (($resetform == 1) &&
($cid == 0))){
    $aquery = "SELECT (YEAR(CURDATE())-YEAR(bday)) -
(RIGHT(CURDATE(),5)<RIGHT(bday,5)) FROM patient WHERE pid_pk =
$pid";
    $areult = mysql_query($aquery) or die(mysql_error());
    $arow = mysql_fetch_row($areult);
    $age = $arow[0];
}

if($cid != 0){
    $mquery = "SELECT CASE WHEN mactive = 0 THEN 1 ELSE 0 END
FROM management WHERE cid_fk = $cid";
    $mresult = mysql_query($mquery);
    $mrow = mysql_fetch_row($mresult);
    $mend = $mrow[0];
}

// list of rooms
$rquery = "SELECT rid_pk, rnum, rstatus FROM room WHERE rid_pk <<
1 ORDER BY rnum";
$result = mysql_query($rquery) or die(mysql_error());

$rlist = "<option value=" >&nbsp;&nbsp;&nbsp;</option>";
while($rrow = mysql_fetch_array($result)){
    if($rrow[2] == 1){
        if($rid == $rrow[0]){
            $rselect = "selected";
            $rlist = $rlist . "<option value=" . $rrow[0] . " selected >" .
$rrow[1] . "</option>";
        }
    }else{
        if($rid == $rrow[0]){
            $rselect = "selected";
        }else{
            $rselect = "";
        }
        $rlist = $rlist . "<option value=" . $rrow[0] . " " . $rselect . ">" .
$rrow[1] . "</option>";
    }
}

// list of beds
$bquery = "SELECT bid_pk, bnum, bstatus FROM bed WHERE rid_fk =
$rid ORDER BY bnum";
$result = mysql_query($bquery);

$blist = "<option value=" >&nbsp;&nbsp;&nbsp;</option>";
while($brow = @mysql_fetch_array($result)){
    if($brow[2] == 1){
        if($bid == $brow[0]){
            $bselect = "selected";
            $blist = $blist . "<option value=" . $brow[0] . " selected >" .
$brow[1] . "</option>";
        }
    }else{
        if($bid == $brow[0]){
            $bselect = "selected";
        }else{
            $bselect = "";
        }
        $blist = $blist . "<option value=" . $brow[0] . " " . $bselect . ">" .
$brow[1] . "</option>";
    }
}

// list of doctors
$dquery = "SELECT uid_pk, usr_name, ustatus FROM user WHERE
(usr_type = 'a' OR usr_type = 'r') AND usr_name <> 'AROD' ORDER BY
usr_name";
$result = mysql_query($dquery);

```



```

<? for($i=0;$i<60;$i++){?>
<? if($or_min == $i){
    $orm_select = "selected";
  }else{
    $orm_select = "";
  }
}?>
<? if($i<10){?>
<option value="<?="0".$i?>" <?=$orm_select?> >
<?="0".$i?>
</option>
<? }else{?>
<option value="<?=$i?>" <?=$orm_select?> >
<?=$i?>
</option>
<? }?>
<? }?>
</select>
&nbsp;&nbsp;&nbsp;
<select name="or_ampm" style="width:45px;" <?=$edisable?>>
  <option value="">&nbsp;&nbsp;&nbsp;</option>
  <? if($or_ampm == 'PM'){?>
  <option value="AM">AM</option>
  <option value="PM" selected>PM</option>
  <? }elseif($or_ampm == 'AM'){?>
  <option value="AM" selected>AM</option>
  <option value="PM">PM</option>
  <? }else{?>
  <option value="AM">AM</option>
  <option value="PM">PM</option>
  <? }?>
</select></td>
</tr>
<tr>
  <td colspan="2" align="right">Procedure:</td>
  <td colspan="378"><input name="sched_proc" type="text"
size="25" maxlength="25" value="<?=$sched_proc?>" /></td>
</tr>
<tr>
  <td colspan="2" align="right">Age:</td>
  <td colspan="378"><input name="age" size="14px" type="text"
readonly="readonly" class="text" value="<?=$age?>" <?=$ronly?
>></td>
</tr>
<tr>
  <td colspan="2" align="right">Weight:</td>
  <td colspan="378"><input name="weight" size="14px" type="text"
class="text" value="<?=$weight?>" <?=$ronly?>>&nbsp;&nbsp;&nbsp;lbs</td>
</tr>
<tr>
  <td colspan="2" align="right">Height:</td>
  <td colspan="378"><input name="height" size="14px" type="text"
class="text" value="<?=$height?>" <?=$ronly?>>&nbsp;&nbsp;&nbsp;cm</td>
</tr>
<tr>
  <td colspan="2" align="right">Surgeon:</td>
  <td colspan="378"><input name="surgeon" type="text" size="25"
maxlength="25" value="<?=$surgeon?>" <?=$ronly?>" /></td>
</tr>
<tr>
  <td colspan="2" align="right">Anesthesiologist:</td>
  <td colspan="378"><select name="aid" style="width:150px" >
  <?=$alist?>
</select></td>
</tr>
<tr>
  <td colspan="4">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
  <td width="25" rowspan="2">&nbsp;&nbsp;&nbsp;</td>
  <td colspan="3">Pre Anesthesia Medication:</td>
</tr>
<tr>
  <td colspan="3"><textarea name="premed"
style="width:300px; height:50px;" <?=$ronly?>><?=$premed?
></textarea></td>
</tr>
<tr>
  <td colspan="4">&nbsp;&nbsp;&nbsp;</td>
</tr>
<tr>
  <td colspan="6" height="5">
  <input type="hidden" name="pid" value="<?=$pid?>" />
  <input type="hidden" name="cid" value="<?=$cid?>" />
  <input type="hidden" name="mend" value="<?=$mend?>" />
</form>
</table>
<? include 'include/footer.lbi'; ?>
</html>

```

report.php

```

<?php
// displays system records

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'],$_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$usr_typ = $_COOKIE['usr_typ'];

extract($_GET);
extract($_POST);

$excel=$_REQUEST['print'];
if ($excel){
  if ($reptype == 1){
    $filename = "postoprep";
  }else if ($reptype == 2){
    $filename = "rrrep";
  }
  $filename = $filename."(".$srep_date."to".$srep_date."");

  header("Content-type: application/vnd.ms-excel");
  header("Content-Disposition: attachment; filename=".
$filename.".xls");
  header("Pragma: no-cache");
  header("Expires: 0");
  $rethead = "style = \"font-size: 11px; font-weight: bold; background-
color: #abd2e1; text-align: center; line-height: 20px;\"";
}

if($reptype == 1){
  $rthead = "POST&nbsp;OPERATIVE&nbsp;";

  $rheader = "<td width=\77\" class=\"listheader\" ".
  $rethead.">Date</td>
  <td width=\56\" class=\"listheader\" ".$rethead.">Hospital
  No</td>
  <td width=\56\" class=\"listheader\" ".$rethead.">Bed No</td>
  <td width=\155\" class=\"listheader\" ".$rethead.">Patient
  Name</td>
  <td class=\"listheader\" ".$rethead.">Age</td>
  <td class=\"listheader\" ".$rethead.">Sex</td>
  <td class=\"listheader\" ".$rethead.">MAL</td>
  <td class=\"listheader\" ".$rethead.">ASA</td>
  <td width=\80\" class=\"listheader\" ".$rethead.">Account</td>
  <td class=\"listheader\" ".$rethead.">Procedure Done</td>
  <td width=\110\" class=\"listheader\" ".$rethead.">Surgeon</td>
  <td width=\100\" class=\"listheader\" ".$rethead.">Surgical
  Assist</td>
  <td width=\100\" class=\"listheader\" ".
  $rethead.">Anesthesiologist</td>
  <td width=\100\" class=\"listheader\" ".$rethead.">Anesthesia
  Assist</td>
  <td width=\62\" class=\"listheader\" ".$rethead.">Anesthesia
  Type</td>
  <td width=\62\" class=\"listheader\" ".$rethead.">Anesthesia
  Agent</td>
  <td width=\62\" class=\"listheader\" ".$rethead.">Anes Start</td>
  <td width=\62\" class=\"listheader\" ".$rethead.">Anes End</td>
  <td width=\62\" class=\"listheader\" ".$rethead.">OR Start</td>
  <td width=\62\" class=\"listheader\" ".$rethead.">OR End</td>";

  if($limitrep == "go"){
    $limitquery = " AND DATE_FORMAT(ordate, '%Y%m%d') BETWEEN
    ". str_replace('-', '', $srep_date) . " AND ". str_replace('-', '',
    $srep_date) . " ";
  }

  $rquery = "SELECT DATE_FORMAT(ordate, '%b %d, %Y'), pid_pk,
  bnum, CONCAT(UPPER(lname) , ', ', fname), age, gender, (CASE WHEN
  mal = 1 THEN 'I' WHEN mal = 2 THEN 'II' WHEN mal = 3 THEN 'III'
  WHEN mal = 4 THEN 'IV' WHEN mal IS NULL THEN '&nbsp;' WHEN mal =
  '' THEN '&nbsp;' ELSE mal END), (CASE WHEN asa IS NULL THEN
  '&nbsp;' WHEN asa = '' THEN '&nbsp;' ELSE asa END), (CASE WHEN
  account IS NULL THEN '&nbsp;' WHEN account = '' THEN '&nbsp;' ELSE
  account END), sproc, surgeon, (CASE WHEN sassist IS NULL THEN
  '&nbsp;' WHEN sassist = '' THEN '&nbsp;' ELSE sassist END), aid_fk,
  aassist_fk, anestype, anesagent, DATE_FORMAT(anes_st, '%h:%m %p'),
  DATE_FORMAT(anes_et, '%h:%m %p'), DATE_FORMAT(or_st, '%h:%m
  %p'), DATE_FORMAT(or_et, '%h:%m %p'), poiid_pk as poiid FROM
  patient, bed, user, consultation, preop, postop WHERE pid_pk = pid fk
  AND aid_fk = uid_pk AND bid_pk = bid_fk AND cid_pk = preop.cid_fk
  AND cid_pk = postop.cid_fk $limitquery ORDER BY CONCAT(ordate,
  or_et) DESC";

```

```

$result = @mysql_query($rquery);
$rmax = @mysql_num_rows($result);

$sodquery = "SELECT MIN(ordate), MAX(ordate) FROM postop";
$sodresult = mysql_query($sodquery);
$sodrow = mysql_fetch_row($sodresult);

if($limitrep == ""){
    $srep_date = $sodrow[0];
    $srep_date = $sodrow[1];
}
}else{
    $rhead = "RECOVERY&nbsp;ROOM&nbsp;";

    $rheader = "<td width='90' class='listheader' ".
    $rprehead.">Date</td>
    <td width='90' class='listheader' ". $rprehead.">Nurse
    Shift</td>
    <td width='65' class='listheader' ". $rprehead.">Bed No</td>
    <td width='170' class='listheader' ". $rprehead.">Patient
    Name</td>
    <td class='listheader' ". $rprehead.">Age</td>
    <td class='listheader' ". $rprehead.">Sex</td>
    <td width='75' class='listheader' ". $rprehead.">Time In</td>
    <td width='75' class='listheader' ". $rprehead.">Time Out</td>
    <td width='75' class='listheader' ". $rprehead.">Stay
    Duration</td>
    <td class='listheader' ". $rprehead.">Procedure Done</td>
    <td width='120' class='listheader' ". $rprehead.">Surgeon</td>
    <td width='120' class='listheader' ".
    $rprehead.">Anesthesiologist</td>
    <td width='100' class='listheader' ". $rprehead.">Anesthesia
    Type</td>
    <td width='120' class='listheader' ". $rprehead.">RR NIC</td>
    <td width='75' class='listheader' ". $rprehead.">Time
    Cleared</td>";

    if($limitrep == "go"){
        $limitquery = " AND DATE_FORMAT(out_dt, '%Y%m%d') BETWEEN
        ". str_replace('-', '', $srep_date) . " AND " . str_replace('-', '',
        $srep_date) . " ";
    }

    $rquery = "SELECT DATE_FORMAT(out_dt, '%b %d, %Y'). bnum,
    CONCAT(UPPER(Iname), ', ', fname), age, gender, DATE_FORMAT(in_dt,
    '%h:%m %p'), DATE_FORMAT(out_dt, '%h:%m %p'), CASE WHEN
    (DATE_FORMAT(duration, '%i')='00') THEN DATE_FORMAT(duration,
    '%k hrs') WHEN (DATE_FORMAT(duration, '%k')='0') THEN
    DATE_FORMAT(duration, '%i mins') ELSE DATE_FORMAT(duration, '%k:
    %i hrs') END, sproc, surgeon, aid_fk, anestype, nid_fk,
    DATE_FORMAT(clear_dt, '%h:%m %p'), rrid_pk as rrid,
    CASE
    WHEN DATE_FORMAT(out_dt, '%H%i%s') BETWEEN 060001
    AND 140000 THEN 2
    WHEN DATE_FORMAT(out_dt, '%H%i%s') BETWEEN 140001
    AND 220000 THEN 3
    WHEN DATE_FORMAT(out_dt, '%H%i%s') BETWEEN 220001
    AND 235959 THEN 4
    WHEN DATE_FORMAT(out_dt, '%H%i%s') BETWEEN 000000
    AND 060000 THEN 1
    END as gt
    FROM rr, patient, bed, user, consultation, preop, postop,
    management WHERE pid_pk = pid_fk AND nid_fk = uid_pk AND bid_pk
    = consultation.bid_fk AND cid_pk = preop.cid_fk AND cid_pk =
    postop.cid_fk AND cid_pk = management.cid_fk AND mid_pk = mid_fk
    AND out_dt != '0000-00-00 00:00:00' $limitquery
    ORDER BY out_dt DESC";
    $rresult = @mysql_query($rquery);
    $rmax = @mysql_num_rows($rresult);

    $sodquery = "SELECT DATE_FORMAT(MIN(out_dt), '%Y-%m-%d'),
    DATE_FORMAT(MAX(out_dt), '%Y-%m-%d') FROM rr WHERE out_dt !=
    '0000-00-00 00:00:00'";
    $sodresult = mysql_query($sodquery);
    $sodrow = mysql_fetch_row($sodresult);

    $sodstart = substr($sodrow[0], 0, 4);
    $sodend = substr($sodrow[1], 0, 4);

    if($limitrep == ""){
        $srep_date = $sodrow[0];
        $srep_date = $sodrow[1];
    }
}

if(!$excel){
    $recordsperpage = 24;
    paging($rmax, $recordsperpage, $liststart, $listend, "&reptype=" .
    $reptype . "&limitrep=" . $limitrep . "&srep_date=" . $srep_date .
    "&erep_date=" . $erep_date, "report");
    $hasprev = $_POST['hasprev'];
    $hasnext = $_POST['hasnext'];

    $liststart = $_POST['liststart'];
    $listend = $_POST['listend'];
}
}else{
    $liststart = 1;
    $listend = $rmax;
}

$ii = 1;
$mm = 1;
while($rrow = @mysql_fetch_array($rresult)){
    if(($liststart <= $ii) && ($i <= $listend)){
        $rlist = $rlist . "<tr>";

        if($reptype == 1){
            $rlist = $rlist . "<td>". $rrow[0] . "</td>";
            $rlist = $rlist . "<td align='center'>". $rrow[1] . "</td>";
            $rlist = $rlist . "<td>". $rrow[2] . "</td>";
            $rlist = $rlist . "<td>". $rrow[3] . "</td>";
            $rlist = $rlist . "<td align='center'>". $rrow[4] . "</td>";

            if($rrow[5] == 1){
                $gender = 'M';
            }else{
                $gender = 'F';
            }
            $rlist = $rlist . "<td align='center'>". $gender . "</td>";

            $rlist = $rlist . "<td align='center'>". $rrow[6] . "</td>
            <td align='center'>". $rrow[7] . "</td>
            <td>". $rrow[8] . "</td>
            <td>". $rrow[9] . "</td>
            <td>". $rrow[10] . "</td>
            <td>". $rrow[11] . "</td>";

            $cnquery = "SELECT usr_name from user WHERE uid_pk =
            $rrow[12]";
            $cnresult = mysql_query($cnquery);
            $cnrow = mysql_fetch_row($cnresult);
            $rlist = $rlist . "<td>". $cnrow[0] . "</td>";

            $aanquery = "SELECT usr_name from user WHERE uid_pk =
            $rrow[13]";
            $aanresult = mysql_query($aanquery);
            if($aanrow = mysql_fetch_row($aanresult)){
                $rlist = $rlist . "<td>". $aanrow[0] . "</td>";
            }else{
                $rlist = $rlist . "<td>&nbsp;</td>";
            }

            $rlist = $rlist . "<td>". $rrow[14] . "</td>
            <td>". $rrow[15] . "</td>
            <td align='center'>". $rrow[16] . "</td>
            <td align='center'>". $rrow[17] . "</td>
            <td align='center'>". $rrow[18] . "</td>
            <td align='center'>". $rrow[19] . "</td>";
        }else{
            $rlist = $rlist . "<td>". $rrow[0] . "</td>";

            switch($rrow[15]){
                case 4:
                case 1: $nshift = "10pm to 6am"; break;
                case 2: $nshift = "6am to 2pm"; break;
                case 3: $nshift = "2pm to 10pm"; break;
            }

            $rlist = $rlist . "<td>". $nshift . "</td>
            <td>". $rrow[1] . "</td>
            <td>". $rrow[2] . "</td>
            <td align='center'>". $rrow[3] . "</td>";

            if($rrow[4] == 1){
                $gender = 'M';
            }else{
                $gender = 'F';
            }
            $rlist = $rlist . "<td align='center'>". $gender . "</td>";

            $rlist = $rlist . "<td align='center'>". $rrow[5] . "</td>
            <td align='center'>". $rrow[6] . "</td>
            <td>". $rrow[7] . "</td>
            <td>". $rrow[8] . "</td>
            <td>". $rrow[9] . "</td>";

            $anquery = "SELECT usr_name from user WHERE uid_pk =
            $rrow[10]";
            $anresult = mysql_query($anquery);
            $anrow = mysql_fetch_row($anresult);
            $rlist = $rlist . "<td>". $anrow[0] . "</td>";

            $rlist = $rlist . "<td>". $rrow[11] . "</td>";
        }
    }
}

```



```

$poquery = "SELECT DATE_FORMAT(or_dt, '%b %e'),
DATE_FORMAT(or_dt, '%l:%i %p'), CONCAT(UPPER(lname), ' ', fname),
usr_name, surgeon_pid_pk, cid_pk as cid, (CASE WHEN EXISTS (SELECT
* from postop WHERE cid_fk = cid) THEN 1 ELSE 0 END) from user,
patient, consultation, preop WHERE (NOT EXISTS (SELECT poiid_pk from
postop WHERE cid_fk = cid) OR NOT EXISTS (SELECT rrid_pk from
management, rr WHERE mid_pk = mid_fk AND cid_fk = cid)) AND
uid_pk = aid_fk AND pid_fk = pid_pk AND cid_pk = cid_fk AND
dc_order=" ORDER BY or_dt";
$poresult = mysql_query($poquery);
$pocount = mysql_num_rows($poresult);
$pototal = $pocount;
if ($pocount > 5) { $pocount = 5; }

while(($porow = mysql_fetch_array($poresult)) && ($pocount > 0)){
if($porow[7] == 1){
    $poact = "Edit";
    if($usr_typ == 'n'){
        $rrdata = " | <a href='rrnmonitordata.php?pid=" . $porow[5] .
"&cid=" . $porow[6] . "'>Add RR</a>";
    }else{
        $rrdata = "";
    }
    $discharge = " | <a href='dischargedetails.php?&pid=" . $porow[5] .
"&cid=" . $porow[6] . "'>Discharge</a>";
    }else{
        $poact = "Add";
        $rrdata = "";
        $discharge = "";
    }
    $polist = $polist . "<tr>
<td align='center'>" . $porow[0] . "</td>
<td align='center'>" . $porow[1] . "</td>
<td><a href='patientdetails.php?pid=" . $porow[5] . "&cid=" .
$porow[6] . "'>" . $porow[2] . "</a></td>
<td>" . $porow[3] . "</td>
<td>" . $porow[4] . "</td>
<td align='center' width='215'><a href='postopdata.php?pid=" .
$porow[5] . "&cid=" . $porow[6] . "'>" . $poact . " Postop</a>".
$discharge . "</td>
</tr>";

    $pocount--;
}

$pmquery = "SELECT DISTINCT medid_pk as medid, pid_pk,
CONCAT(UPPER(lname), ' ', fname), bnum, usr_name,
medication.med_name, medication.med_dose, CASE WHEN
(DATE_FORMAT(med_freq, '%i')='00') THEN DATE_FORMAT(med_freq,
'%k hrs') ELSE DATE_FORMAT(med_freq, '%k hrs, %i mins') END,
DATE_FORMAT(med_start, '%b %e, %l:%i %p'), DATE_FORMAT(CASE
WHEN NOT EXISTS(SELECT medid_fk FROM medication, carryout
WHERE medid_pk = medid_fk AND medid_pk = medid) THEN
med_start ELSE ADDTIME((SELECT MAX(given_dt) FROM carryout
WHERE medid_fk=medid), med_freq) END, '%b %e %Y %T') as nextint,
CASE WHEN (CASE WHEN NOT EXISTS(SELECT medid_fk FROM
medication, carryout WHERE medid_pk = medid_fk AND medid_pk =
medid) THEN med_start ELSE ADDTIME((SELECT MAX(given_dt) FROM
carryout WHERE medid_fk=medid), med_freq) END) < NOW() THEN 1
ELSE 0 END, (SELECT COUNT(coid_pk) FROM carryout WHERE medid_fk
= medid) as given, cid_pk, CASE WHEN NOT EXISTS(SELECT medid_fk
FROM medication, carryout WHERE medid_pk = medid_fk AND
medid_pk = medid) THEN med_start ELSE ADDTIME((SELECT
MAX(given_dt) FROM carryout WHERE medid_fk=medid), med_freq)
END as nextintorder FROM patient, bed, user, medication, consultation,
management, rr WHERE pid_pk = pid_fk AND uid_pk =
medication.oid_fk AND cid_pk = management.cid_fk AND mid_pk =
medication.mid_fk AND mid_pk = rr.mid_fk AND (CASE WHEN out_dt =
'0000-00-00 00:00:00' THEN bid_pk = rr.bid_fk ELSE bid_pk =
consultation.bid_fk END) AND med_end = 0 AND mactive = 1 GROUP
BY medid_pk ORDER BY nextintorder";
$pmresult = mysql_query($pmquery);
$pmcount = mysql_num_rows($pmresult);
$pmtotal = $pmcount;
if ($pmcount > 5) { $pmcount = 5; }

$first = 1;
while(($pmrow = mysql_fetch_array($pmresult)) && ($pmcount > 0)){
if($pmrow[10] == 1){
    $sintaketime = "<b><span id='span' . $pmrow[0] .
">&nbsp;&nbsp;&nbsp;</span></b>";
} else {
    $sintaketime = "<span id='span' . $pmrow[0] .
">&nbsp;&nbsp;&nbsp;</span>";
}
    $pmllist = $pmllist . "<tr>
<td><a href='patientdetails.php?pid=" . $pmrow[1] . "&cid=" .
$pmrow[12] . "'>" . $pmrow[2] . "</a></td>
<td>" . $pmrow[3] . "</td>
<td>" . $pmrow[4] . "</td>
<td><a href='medicationdetails.php?medid=" . $pmrow[0] .
"&view=1'>" . $pmrow[5] . "</a></td>
<td>" . $pmrow[6] . "</td>
<td>" . $pmrow[7] . "</td>
<td align='center'><a href='medicationdetails.php?medid=" .
$pmrow[0] . "&cid=" . $pmrow[12] . "'>Stop</a></td>
onclick='confirmStopMed('managemonitoring.php?stop_med=1',
$pmrow[0], '$pmrow[2]', '$pmrow[5]', '$pmrow[6]', '$pmrow[1] .
$pmrow[12] . ', 'reshome.php)')'>Stop</a></td>
</tr>";
if($first == 1){
    $taketime = $pmrow[9];
    $spanid = "span" . $pmrow[0];
} else {
    $taketime = $taketime . "*" . $pmrow[9];
    $spanid = $spanid . "*" . $span . $pmrow[0];
}
    $first = 0;
    $pmcount--;
}

$psquery = "SELECT pid_pk, CONCAT(UPPER(lname), ' ', fname),
bnum, sfname, DATE_FORMAT(sfstart, '%b %e, %l:%i %p'), aid_fk as
aid, aassist_fk as aassist, (SELECT usr_name from user WHERE uid_pk
= aid), CASE WHEN aassist_fk = 0 THEN '&nbsp;' ELSE (SELECT
usr_name from user WHERE uid_pk = aassist) END, cid_pk, sfid_pk
FROM patient, bed, consultation, preop, postop, management, rr,
sidefx WHERE pid_pk = pid_fk AND (CASE WHEN out_dt = '0000-00-00
00:00:00' THEN bid_pk = rr.bid_fk ELSE bid_pk = consultation.bid_fk
END) AND cid_pk = preop.cid_fk AND cid_pk = postop.cid_fk AND
cid_pk = management.cid_fk AND mid_pk = rr.mid_fk AND mid_pk =
sidefx.mid_fk AND sfend = '0000-00-00 00:00:00' AND mactive = 1
ORDER BY sfstart DESC";
$psresult = mysql_query($psquery);
$pscount = mysql_num_rows($psresult);
$pssetotal = $pscount;
if ($pscount > 5) { $pscount = 5; }

while(($psrow = mysql_fetch_array($psresult)) && ($pscount > 0))
{
    $pselist = $pselist . "<tr>
<td><a href='patientdetails.php?pid=" . $psrow[0] . "&cid=" .
$psrow[9] . "'>" . $psrow[1] . "</a></td>
<td>" . $psrow[2] . "</td>
<td><a href='effectdetails.php?sfid=" . $psrow[10] .
"&view=1'>" . $psrow[3] . "</a></td>
<td>" . $psrow[4] . "</td>
<td>" . $psrow[7] . "</td>
<td>" . $psrow[8] . "</td>
<td align='center'><a href='patientdetails.php?pid=" .
$psrow[0] . "&cid=" . $psrow[9] . "#meds'>Edit
Medication</a></td>
</tr>";
    $pscount--;
}

$ppsquery = "SELECT pid_pk, CONCAT(UPPER(lname), ' ', fname),
bnum, score, DATE_FORMAT(pain_dt, '%b %e, %l:%i %p'), aid_fk as aid,
aassist_fk as aassist, (SELECT usr_name from user WHERE uid_pk =
aid), CASE WHEN aassist_fk = 0 THEN '&nbsp;' ELSE (SELECT usr_name
from user WHERE uid_pk = aassist) END, cid_pk, paid_pk, mid_pk as
mid FROM patient, bed, consultation, preop, postop, management, rr,
pain WHERE pain_dt = (SELECT pain_dt FROM pain WHERE mid_fk =
mid ORDER BY pain_dt DESC LIMIT 0,1) AND pid_pk = pid_fk AND
cid_pk = preop.cid_fk AND cid_pk = postop.cid_fk AND cid_pk =
management.cid_fk AND mid_pk = rr.mid_fk AND mid_pk = pain.mid_fk
AND (CASE WHEN out_dt = '0000-00-00 00:00:00' THEN bid_pk =
rr.bid_fk ELSE bid_pk = consultation.bid_fk END) AND mactive = 1 AND
score > 4 GROUP BY pid_pk ORDER BY pain_dt DESC";
$ppsresult = mysql_query($ppsquery);
$ppscount = mysql_num_rows($ppsresult);
$ppstotal = $ppscount;
if ($ppscount > 5) { $ppscount = 5; }

while(($ppsrow = mysql_fetch_array($ppsresult)) && ($ppscount > 0))
{
    $ppslist = $ppslist . "<tr>
<td><a href='patientdetails.php?pid=" . $ppsrow[0] . "&cid=" .
$ppsrow[9] . "'>" . $ppsrow[1] . "</a></td>
<td>" . $ppsrow[2] . "</td>
<td align='center'><a href='paintdetails.php?paid=" . $ppsrow[10] .
"&view=1'>" . $ppsrow[3] . "</a></td>
<td>" . $ppsrow[4] . "</td>
<td>" . $ppsrow[7] . "</td>
<td>" . $ppsrow[8] . "</td>
<td align='center'><a href='patientdetails.php?pid=" .
$ppsrow[0] . "&cid=" . $ppsrow[9] . "#meds'>Edit
Medication</a></td>
</tr>";
    $ppscount--;
}

```



```

$monalign = "center";
}else{
$title = "RECOVERY&nbsp;ROOM&nbsp;AND&nbsp;MONITORING";
$rralign = "left";
$monalign = "right";
}

// patient name and cellular phone number
$query = "SELECT CONCAT(fname, ' ', lname) FROM patient WHERE
pid_pk = $pid";
$result = mysql_query($query);
$row = mysql_fetch_row($result);
$name = $row[0];

// management and rr primary key
$rmkquery = "SELECT mid_pk, rrid_pk FROM management, rr WHERE
mid_pk = mid_fk AND cid_fk = $cid";
$rmkresult = mysql_query($rmkquery);
$rmkrow = mysql_fetch_row($rmkresult);
$mid = $rmkrow[0];
$rrid = $rmkrow[1];

// checks if the page has past values
if(($rrdate == "" && ($nid == 0) && ($bnum == 0) && ($in_hour ==
"" && ($in_min == "" || $in_min == 0) && ($in_ampm == "" &&
($clearid == "" && ($clear_hour == "" && ($clear_min == "" ||
$clear_min == 0) && ($clear_ampm == "" && ($out_hour == "" &&
($out_min == "" || $out_min == 0) && ($out_ampm == "" &&
($freq_hour == "" && ($freq_min == "" || $freq_min == 0) &&
($endmonitor == "" && ($freq_hour == "" && ($freq_min == "" ||
$freq_min == 0) && ($freq_ampm == "" && ($rrid != 0)) ||
(($resetform == 1) && ($rrid != 0))) {
$rmquery = "SELECT DATE_FORMAT(in_dt, '%Y-%m-%d'), nid_fk,
rr.bid_fk, DATE_FORMAT(in_dt, '%i'), DATE_FORMAT(in_dt, '%i'),
DATE_FORMAT(in_dt, '%p'), clearid_fk, CASE WHEN clear_dt = '0000-
00-00 00:00:00' THEN '' ELSE DATE_FORMAT(clear_dt, '%i') END, CASE
WHEN clear_dt = '0000-00-00 00:00:00' THEN '' ELSE
DATE_FORMAT(clear_dt, '%p') END, CASE WHEN clear_dt = '0000-00-00
00:00:00' THEN '' ELSE DATE_FORMAT(clear_dt, '%p') END, CASE WHEN
out_dt = '0000-00-00 00:00:00' THEN '' ELSE DATE_FORMAT(out_dt,
'%Y-%m-%d') END, CASE WHEN out_dt = '0000-00-00 00:00:00' THEN ''
ELSE DATE_FORMAT(out_dt, '%i') END, CASE WHEN out_dt = '0000-00-
00 00:00:00' THEN '' ELSE DATE_FORMAT(out_dt, '%i') END, CASE
WHEN out_dt = '0000-00-00 00:00:00' THEN '' ELSE
DATE_FORMAT(out_dt, '%p') END, DATE_FORMAT(duration, '%H:
%i:00'), DATE_FORMAT(check_freq, '%i'), DATE_FORMAT(check_freq,
'%i'), DATE_FORMAT(end_dt, '%Y-%m-%d'), DATE_FORMAT(end_dt,
'%i'), DATE_FORMAT(end_dt, '%p'), DATE_FORMAT(end_dt, '%p'),
mactive, dc_order, aid_fk FROM consultation, preop, management, rr
WHERE cid_pk = preop.cid_fk AND cid_pk = management.cid_fk AND
mid_pk = mid_fk AND rrid_pk = $rrid";
$rmresult = mysql_query($rmquery) or die(mysql_error());
$rmrow = mysql_fetch_row($rmresult);
$rrdate = $rmrow[0];
$nid = $rmrow[1];
$bid = $rmrow[2];
$in_hour = $rmrow[3];
$in_min = $rmrow[4];
$in_ampm = $rmrow[5];
$clearid = $rmrow[6];
$clearid_orig = $rmrow[6];
$clear_hour = $rmrow[7];
$clear_min = $rmrow[8];
$clear_ampm = $rmrow[9];
$outdate = $rmrow[10];
$out_hour = $rmrow[11];
$out_min = $rmrow[12];
$out_ampm = $rmrow[13];
$duration = $rmrow[14];
$freq_hour = $rmrow[15];
$freq_min = $rmrow[16];
$endmonitor = $rmrow[17];
$end_hour = $rmrow[18];
$end_min = $rmrow[19];
$end_ampm = $rmrow[20];
$mactive = $rmrow[21]. 'up';
$dc_order = $rmrow[22];
$aid = $rmrow[23];
}

// list of nurses
$query = "SELECT uid_pk, usr_name, ustatus FROM user WHERE
usr_type = 'n' ORDER BY usr_name";
$result = mysql_query($query);

$nlist = "<option value="">&nbsp;</option>";
while($row = mysql_fetch_array($result)){
if($row[2] == 2 || $row[2] == 0){
if($nid == $row[0]){
$select = "selected";
$nlist = $nlist . "<option value=" . $row[0] . " selected >" .
$row[1] . "</option>";
}
}
}

// list of rr beds
$query = "SELECT bid_pk, bnum, bstatus FROM bed WHERE rid_fk = 1
ORDER BY bnum";
$result = mysql_query($query);

$blist = "<option value="">&nbsp;</option>";
while($row = mysql_fetch_array($result)){
if($row[2] == 1){
if($bid == $row[0]){
$select = "selected";
$blist = $blist . "<option value=" . $row[0] . " selected >" .
$row[1] . "</option>";
}
}
}

// list of doctors
$query = "SELECT uid_pk, usr_name, ustatus FROM user WHERE
(usr_type = 'a' OR usr_type = 'r') AND usr_name <> 'AROD' ORDER BY
usr_name";
$result = mysql_query($query);

$dlist = "<option value="">&nbsp;</option>";
while($row = mysql_fetch_array($result)){
if($row[2] == 2 || $row[2] == 0){
if($clearid == $row[0]){
$select = "selected";
$dlist = $dlist . "<option value=" . $row[0] . " selected >" .
$row[1] . "</option>";
}
}
}

$dlist = $dlist . "<option value=" . $row[0] . " . $dselect . ">" .
$row[1] . "</option>";
}

}

$nowquery = "SELECT DATE_FORMAT(NOW(), '%Y-%m-%d'),
DATE_FORMAT(NOW(), '%h'), DATE_FORMAT(NOW(), '%i'),
DATE_FORMAT(NOW(), '%p)";
$nowresult = mysql_query($nowquery) or die(mysql_error());
$nowrow = mysql_fetch_row($nowresult);

// fill rr date and time in with current date
if(($rrdate == "" && ($in_hour == "" && ($in_min == "" || $in_min
== 0) && ($in_ampm == "" && ($mid == 0) || (($resetform == 1)
&& ($mid == 0))) {
$rrdate = $nowrow[0];
$in_hour = $nowrow[1];
$in_min = $nowrow[2];
$in_ampm = $nowrow[3];
}

// fill clear date and time with current date
if(($clearid_orig == 0) && ($clear_hour == "" && ($clear_min == "" ||
$clear_min == 0) && ($clear_ampm == "")) || (($resetform == 1) &&
($clearid_orig == 0)) {
$clear_hour_t = $nowrow[1];
$clear_min_t = $nowrow[2];
if($nowrow[3] == "PM"){
$clear_ampm_t = 2;
}
else{
$clear_ampm_t = 1;
}
}

// fill rr date and time out with current date

```



```

<? }?>
</select></td>
</tr>
</tr>
<tr>
<td colspan="3" height="9">&nbsp;&nbsp;&nbsp;</td>
</tr>
</tr>
<tr>
<td colspan="3" height="9" align="right" valign="bottom"><a
href="#" id="clear_link"
onClick="clearid_row.style.display='block';cleardt_row.style.display='
lock';clear_link.style.display='none';clearid.selectedIndex=<?=$aid?
>;clear_hour.selectedIndex=<?=$clear_hour_t?
>;clear_min.selectedIndex=<?=$clear_min_t?
>;clear_ampm.selectedIndex=<?=$clear_ampm_t?>;
getElementById('pclear').value=1;" >CLEAR PATIENT</a><a href="#"
id="transfer_link" <?=$transferp?>
onClick="nid_row.style.display='block';outdt_row.style.display='block';
transfer_link.style.display='none';out_hour.selectedIndex=<?
=$out_hour_t?>;out_min.selectedIndex=<?=$out_min_t?
>;out_ampm.selectedIndex=<?=$out_ampm_t?>;
getElementById('pttransfer').value=1;" >TRANSFER PATIENT
</a></td>
</tr>
</table>
<table class="boxwithheader" width="420" align="<?=$monalign?
"><?=$hidemonitor?> >
<tr>
<td class="headerbox" colspan="3">PATIENT MONITORING</td>
</tr>
</tr>
<td colspan="3" height="20">&nbsp;&nbsp;&nbsp;</td>
</tr>
</tr>
<td align="right">Frequency:</td>
<td rowspan="3">&nbsp;&nbsp;&nbsp;</td>
<td>Every
<select name="freq_hour" style="width:45px" <?=$mdisable?
>>
<option value="">&nbsp;&nbsp;&nbsp;</option>
<? for($i=1;$i<49;$i++){?>
<? if($freq_hour == $i){
$freqh_select = "selected";
}else{
$freqh_select = "";
}
?>
<? if($i<10){?>
<option value="<?="0".$i?>" <?=$freqh_select?> >
<?="0".$i?>
</option>
<? }else{?>
<option value="<?=$i?>" <?=$freqh_select?> >
<?=$i?>
</option>
<? }?>
</select>
hrs and
<select name="freq_min" style="width:45px" <?=$mdisable?>>
<? for($i=0;$i<60;$i++){?>
<? if($freq_min == $i){
$freqm_select = "selected";
}else{
$freqm_select = "";
}
?>
<? if($i<10){?>
<option value="<?="0".$i?>" <?=$freqm_select?> >
<?="0".$i?>
</option>
<? }else{?>
<option value="<?=$i?>" <?=$freqm_select?> >
<?=$i?>
</option>
<? }?>
</select>
</td>
</tr>
</tr>
<td align="right">End Date:</td>
<td><input name="endmonitor" size="14px" type="text"
readonly="readonly" class="text" value="<?=$endmonitor?>">
<input name="button" type="button" style="width:20px;
height:20px; background:url(images/cal.gif);"
onClick="javascript:showCal('monitor') disabled="disabled"></td>
</tr>
</tr>
<td align="right">End Time:</td>
<td><select name="end_hour_t" style="width:45px"
disabled="disabled" >
<option value="">&nbsp;&nbsp;&nbsp;</option>

```

```



```

smsmessages.php

```

<?php
// displays SMS messages within 24 hr period

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

opendb();

$usr_id = $_COOKIE['usr_id'];
$username = $_COOKIE['uname'];
$usr_typ = $_COOKIE['usr_typ'];

if(date('G') < 6 || date('G') > 21){
    $nacondition = "(DATE_FORMAT(NOW()), '%Y%m%d%H%i%s')
BETWEEN DATE_FORMAT(CONCAT(adate, ' ', stime), '%Y%m%d%H%i
%s') AND DATE_FORMAT(CONCAT(ADDATE_ADD(adate, INTERVAL 1 DAY),
' ', etime), '%Y%m%d%H%i%s'))";
}else{
    $nacondition = "(DATE_FORMAT(NOW()), '%Y%m%d%H%i%s')
BETWEEN DATE_FORMAT(CONCAT(adate, ' ', stime), '%Y%m%d%H%i
%s') AND DATE_FORMAT(CONCAT(adate, ' ', etime), '%Y%m%d%H%i
%s'))";
}

$mquery = "SELECT DISTINCT iid_pk, inbox.mid_fk as mid, sid_fk as
sid, CASE WHEN EXISTS(SELECT usr_name FROM user WHERE celno =
sid LIMIT 0, 1) THEN (SELECT usr_name FROM user WHERE celno = sid
LIMIT 0, 1) ELSE sid_fk END, DATE_FORMAT(received_dt, '%H:%i:%s'),
content, CASE WHEN read_dt = '0000-00-00 00:00-00' THEN 1 ELSE 0
END FROM inbox, bed, user, consultation, management, rr , room,
assign, anurse, aroom WHERE cid_pk = management.cid_fk AND
mid_pk = rr.mid_fk AND mid_pk = inbox.mid_fk AND (CASE WHEN
out_dt = '0000-00-00 00:00:00' THEN bid_pk = rr.bid_fk ELSE bid_pk =
consultation.bid_fk END) AND mactive = 1 AND anurse.nid_fk = $usr_id
AND rid_pk = bed.rid_fk AND rid_pk = aroom.rid_fk AND asid_pk =
aroom.asid_fk AND asid_pk = anurse.asid_fk AND (read_dt = '0000-00-
00 00:00:00' OR DATE_ADD(received_dt, INTERVAL 1 DAY) > now())
AND $nacondition ORDER BY read_dt, received_dt";
$mresult = @mysql_query($mquery);

while($mrow = @mysql_fetch_array($mresult)){
    if($mrow[6] == 1){
        $unread = "class='attention'";
    }else{
        $unread = "";
    }
    $mlist = $mlist . "<tr " . $unread . "
ondblclick='\"window.open('messagedetails.php?id=$mrow[0]', 'title',
'width=250,height=290,scrollbars=1,resizable=0)')\">
<td align='center' >\" . $mrow[1] . \"</td>
<td>\" . substr($mrow[3], 0,7) . \"</td>
<td>\" . $mrow[4] . \"</td>
<td>\" . substr($mrow[5], 0,13) . \"</td>
</tr>\";
}
?>

```

```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="refresh" content="15; url=smsmessages.php" />
<title>POPMS SMS Messages</title>
<script language="javascript" src="include/popmsscript.js"></script>
<link href="include/popmsscscs.css" rel="stylesheet" type="text/css">

<link href="include/default.css" rel="stylesheet" type="text/css"/>
<script language="javascript" src="include/prototype.js"> </script>
<script language="javascript" src="include/window.js"> </script>
</head>

<body>
<table width="250" class="listcontent" cellpadding="0"
cellspacing="0" border="1" bordercolor="#eaeaea" align="center">
<tr>
<td class="listheader">MID</td>
<td class="listheader">Sender</td>
<td class="listheader">Received</td>
<td class="listheader">Message</td>
</tr>
<?=$mlist?>
</table>
</body>
</html>

```

sysadhome.php

```

<?php
// system administrator's home

include 'include/configuration.php';
include 'include/popmsfunctions.php';

session_start();

sessioncheck($_SESSION['sessid'], $_COOKIE['sesscookie']);
opendb();

$usr_id = $_COOKIE['usr_id'];
$username = $_COOKIE['uname'];
$usr_typ = $_COOKIE['usr_typ'];

$query = "SELECT usr_type, COUNT(uid_pk) FROM user WHERE
ustatus=2 GROUP BY usr_type";
$result = mysql_query($query);

while($urow = mysql_fetch_array($result)){
    switch ($urow[0]){
        case 's': $utyenme = "Administrators"; $ulink="users.php?
thisselect=s"; break;
        case 'a': $utyenme = "Anesthesiologists"; $ulink="users.php?
thisselect=a"; break;
        case 'r': $utyenme = "Residents"; $ulink="users.php?thisselect=r";
break;
        case 'n': $utyenme = "Nurses"; $ulink="users.php?thisselect=n";
break;
        default : $utyenme = " ";
    }

    if ($utyenme != " "){
        $usnum = $usnum . "<tr><td>&nbsp;\" . $utyenme . \"(<a
href='\" . $ulink . \"'>\" . $urow[1] . \"</a></td></tr>\";
        $utotal = $utotal + $urow[1];
    }
}

$query = "SELECT COUNT(asid_pk) FROM assign";
$result = mysql_query($query);
$narow = mysql_fetch_row($result);
$ncount = $narow[0];

$query = "SELECT DATE_FORMAT(adate, '%M %d, %Y'),
DATE_FORMAT(stime, '%i:%i %p'), DATE_FORMAT(etime, '%i:%i %p'),
asid_pk FROM assign ORDER BY adate DESC, etime DESC LIMIT 0, 1";
$result = mysql_query($query);
$narow = mysql_fetch_row($result);
$newassign = $narow[0] . "<br />\" . $narow[1] . \" - \" . $narow[2];
$asid = $narow[3];

$query = "SELECT celno FROM user where uid_pk = 0002";
$result = mysql_query($query);
$farow = mysql_fetch_row($result);
$fordnum = $farow[0];

$query = "SELECT COUNT(fno_pk) FROM floor";
$result = mysql_query($query);
$frrow = mysql_fetch_row($result);
$fcunt = $frrow[0];

```



```

$condition = "WHERE usr_name LIKE '%" . $uname . "%'";
$msg = "Search result for: " . $uname;
$msgcss = "notify";
}elseif(($thisselect == "" && ($uid != "" && ($uname == ""))){
if(is_numeric($uid)){
$condition = "where uid_pk = " . $uid;
$msg = "Search result for: " . $uid;
$msgcss = "notify";
}else{
$msg = "Invalid user ID format.";
$msgcss = "error";
}
}elseif(($thisselect == "" && ($uid != "" && ($uname != ""))){
if(is_numeric($uid)){
$condition = "where uid_pk = " . $uid . " " . $andor . " usr_name LIKE
%" . $uname . "%'";
$msg = "Search result for: " . $uid . " " . $andor . " " . $uname;
$msgcss = "notify";
}else{
$msg = "Invalid user ID format.";
$msgcss = "error";
}
}elseif(($thisselect != "" && ($uid == "" && ($uname == ""))){
$condition = "where usr_type = " . $thisselect . "" . $andor . "" .
if($searchuser == "go"){
$msg = "Search result for: " . $utypevalue;
$msgcss = "notify";
}
}elseif(($thisselect != "" && ($uid == "" && ($uname != ""))){
$condition = "where usr_type = " . $thisselect . "" . $andor . "" .
usr_name LIKE '%" . $uname . "%'";
$msg = "Search result for: " . $utypevalue . " " . $andor . " " .
$uname;
$msgcss = "notify";
}elseif(($thisselect != "" && ($uid != "" && ($uname == ""))){
if(is_numeric($uid)){
$condition = "where usr_type = " . $thisselect . "" . $andor . "
uid_pk = " . $uid;
$msg = "Search result for: " . $utypevalue . " " . $andor . " " . $uid;
$msgcss = "notify";
}else{
$msg = "Invalid user ID format.";
$msgcss = "error";
}
}elseif(($thisselect != "" && ($uid != "" && ($uname != ""))){
if(is_numeric($uid)){
$condition = "where usr_type = " . $thisselect . "" . $andor . "
uid_pk = " . $uid . " " . $andor . " usr_name LIKE '%" . $uname . "%'";
$msg = "Search result for: " . $utypevalue . " " . $andor . " " . $uid .
" " . $andor . " " . $uname;
$msgcss = "notify";
}else{
$msg = "Invalid user ID format.";
$msgcss = "error";
}
}
}

if($condition == ""){
$condition = "WHERE ustatus!=2";
}else{
$condition = $condition . " AND ustatus!=2";
}

switch($orderby){
case 1: $order = "usr_name"; break;
case 2: $order = "usr_type"; break;
case 3: $order = "celno"; break;
case 4: $order = "ustatus"; break;
default: $order = "uid_pk";
}

$query = "SELECT uid_pk, usr_name, usr_type, celno, ustatus FROM
user $condition ORDER BY $order $ascorder";
$result = mysql_query($query);

// total number of users
$usermax = mysql_num_rows($result);

$recordsperpage = 25;
paging($usermax, $recordsperpage, $liststart, $listend, "&orderby=" .
$orderby . "&thisselect=" . $thisselect . "&ascorder=" . $ascorder .
"&uid=" . $uid . "&andor=" . $andor . "&uname=" . $uname, "users");
$hasprev = $_POST['hasprev'];
$hasnext = $_POST['hasnext'];
$liststart = $_POST['liststart'];
$listend = $_POST['listend'];

$i = 1;
while($srow = mysql_fetch_array($result)){
if(($liststart <= $i) && ($i <= $listend)){
$userlist = $userlist . "<tr>
<td>" . $srow[0] . "</td>";

```

```

<option value="a">Anesthesiologist</option>
<option value="r">Resident</option>
<option value="n">Nurse</option>
<?
break;
case 'a':
?>
<option value="">All</option>
<option value="s">Administrator</option>
<option value="a">Anesthesiologist</option>
selected="selected">Anesthesiologist</option>
<option value="r">Resident</option>
<option value="n">Nurse</option>
<?
break;
case 'r':
?>
<option value="">All</option>
<option value="s">Administrator</option>
<option value="a">Anesthesiologist</option>
<option value="r" selected="selected">Resident</option>
<option value="n">Nurse</option>
<?
break;
case 'n':
?>
<option value="">All</option>
<option value="s">Administrator</option>
<option value="a">Anesthesiologist</option>
<option value="r">Resident</option>
<option value="n" selected="selected">Nurse</option>
<?
default:
?>
<option value="">All</option>
<option value="s">Administrator</option>
<option value="a">Anesthesiologist</option>
<option value="r">Resident</option>
<option value="n">Nurse</option>
<?
break;
}
?>
</select></td>
<td><input name="uid" type="text" size="4" maxlength="4"
value="<?=$uid?>"></td>
<td><input name="uname" type="text" size="25"
maxlength="25" value="<?=$uname?>"></td>
<? if($andor == "AND") {?>
<td><input type="radio" name="andor" value="AND"
checked="checked"></td>
<td><input type="radio" name="andor" value="OR"></td>
<? }else {?>
<td><input type="radio" name="andor" value="AND"></td>
<td><input type="radio" name="andor" value="OR"
checked="checked"></td>
<? }?>
<td><input type="submit" name="searchuser" class="cssbutton"
value="go" onMouseOver="btnOver(this.form.name,this.name)"
onMouseOut="btnOut(this.form.name,this.name)"></td>
<td width="100">&nbsp;</td>
<td>&nbsp;</td>
</form>
</tr>
<tr>
<td colspan="11">&nbsp;</td>
</tr>
<?
if($usermax != 0){
?>
<tr>
<td>&nbsp;</td>
<td colspan="5" class="<?=$msgcss?>"><?=$msg?></td>
<td colspan="4" align="right" valign="bottom"
class="notify">Users&nbsp;<?=$liststart?>-<?=$listend?
>&nbsp;<?=$usermax?>&nbsp;<?=$hasprev?
>&nbsp;<?=$hasnext?></td>
<td>&nbsp;</td>
</tr>
<tr>
<td>&nbsp;</td>
<td colspan="9">
<table width="960" class="listcontent" cellpadding="0"
cellspacing="0" border="1" bordercolor="#eaeaea">
<tr>
<?
if(($ascordesc == "DESC") || ($ascordesc == "")){
$ascordesc = "ASC";
}else{
$ascordesc = "DESC";
}
?>
<td class="listheader" width="80"><a href="users.php?
thisselect=<?=$thisselect?>&ascordesc=<?=$ascordesc?>&uid=<?
=$uid?>&andor=<?=$andor?>&uname=<?=$uname?>">User
ID</a></td>
<td class="listheader" width="280"><a href="users.php?
orderby=1&thisselect=<?=$thisselect?>&ascordesc=<?=$ascordesc?
>&uid=<?=$uid?>&andor=<?=$andor?>&uname=<?=$uname?
">Name</a></td>
<td class="listheader" width="200"><a href="users.php?
orderby=2&thisselect=<?=$thisselect?>&ascordesc=<?=$ascordesc?
>&uid=<?=$uid?>&andor=<?=$andor?>&uname=<?=$uname?
">User Type</a></td>
<td class="listheader" width="160"><a href="users.php?
orderby=3&thisselect=<?=$thisselect?>&ascordesc=<?=$ascordesc?
>&uid=<?=$uid?>&andor=<?=$andor?>&uname=<?=$uname?
">Cellphone Number</a></td>
<td class="listheader" width="120"><a href="users.php?
orderby=4&thisselect=<?=$thisselect?>&ascordesc=<?=$ascordesc?
>&uid=<?=$uid?>&andor=<?=$andor?>&uname=<?=$uname?
">Status</a></td>
<td class="listheader" width="120">Action</td>
</tr>
<?=$userlist?>
</table></td>
<td>&nbsp;</td>
</tr>
<tr>
<td>&nbsp;</td>
<td colspan="9" align="right" valign="top"
class="notify">Users&nbsp;<?=$liststart?>-<?=$listend?
>&nbsp;<?=$usermax?>&nbsp;<?=$hasprev?
>&nbsp;<?=$hasnext?></td>
<td>&nbsp;</td>
</tr>
<?
}else{
?>
<tr rowspan="3">
<td>&nbsp;</td>
<td colspan="9" class="error">No user records found.</td>
<td>&nbsp;</td>
</tr>
<?
}
?>
<tr>
<td colspan="11">&nbsp;</td>
</tr>
</table>
<? include 'include/footer.lbi'; ?>
</body>
</html>

```

```

validateuser.php

```

```

<?php
// validates user login

```

```

include_once 'include/configuration.php';
include_once 'include/popmsfunctions.php';

```

```

opendb();

```

```

if($_POST['submit']=='login'){

```

```

$username=$_POST['uname'];
$password=$_POST['upass'];

```

```

$sessionid = "";

```

```

setcookie("usr_id","", time()-3600);
setcookie("usr_typ","", time()-3600);
setcookie("uname","", time()-3600);
setcookie("sesscookie","", time()-3600);

```

```

$query = "select uid_pk, usr_name, usr_type from user where usrname
='$uname' and password = '$upass' and ustatus = 1";
$result = mysql_query($query);

```

```

if(mysql_num_rows($result)){
$fetch = mysql_fetch_object($result);

```

```

session_start();

```

```

$sessionid=session_id();

```

```

setcookie("usr_id", $fetch->uid_pk, time()+3600);
setcookie("uname", $fetch->usr_name, time()+3600);
setcookie("usr_typ", $fetch->usr_type, time()+3600);
setcookie("sesscookie", $sessionid, time()+3600);

```

```

$_SESSION['sessionid']=$sessionid;

```

```

switch ($fetch->usr_type){
  case 's': $url = "sysadhome.php"; break;
  case 'r': $url = "reshome.php"; break;
  case 'a': $url = "aneshome.php"; break;
  case 'n': $url = "nursehome.php"; break;
}

}else{
  $msg = "Invalid ID or Password.";
  $url = "index.php?msg=$msg";
}

}else {
  $url = "index.php";
}

closedb();
header("Location: http://" . $ _SERVER['HTTP_HOST'].
 rtrim(dirname($ _SERVER['PHP_SELF']), '/\'). "/" . $url);
?>

```

SUBDIRECTORY: include

aneslinks.lbi

```

<table width="777" height="30" align="center" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef">
  <tr align="center">
    <td class="mlinks"><a href="aneshome.php">HOME</a></td>
    <td class="mlinks"><a href="useraccount.php?usr=<?=$usr_id
">MY ACCOUNT</a></td>
    <td class="mlinks" onMouseOver="subMenu('pstatus',190, 363)"
onMouseOut="subMenu('pstatus', -300, 0)"><a href="#">PATIENTS'
STATUS</a></td>
    <td class="mlinks" onMouseOver="subMenu('plocation',190, 514)"
onMouseOut="subMenu('plocation', -300, 0)"><a href="#">PATIENTS'
LOCATION</a></td>
    <td class="mlinks" onMouseOver="subMenu('pmonitor',190, 683)"
onMouseOut="subMenu('pmonitor', -300, 0)"><a
href="#">MONITORING DATA</a></td>
    <td class="mlinks"><a href="logout.php">LOGOUT</a></td>
    <td class="mlinks" width="80"><span
id="clock">&nbsp;&nbsp;&nbsp;</span></td>
  </tr>
</table>

```

```

<table id="pstatus" class="smlinks" width="152" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef"
onMouseOver="subMenu('pstatus',190, 363)"
onMouseOut="subMenu('pstatus', -300, 0)">
  <tr>
    <td><a href="newconsult.php">NEW CONSULT</a></td>
  </tr>
  <tr>
    <td><a href="inpatients.php">INPATIENTS</a></td>
  </tr>
  <tr>
    <td><a href="outpatients.php">PAST RECORDS</a></td>
  </tr>
</table>

```

```

<table id="plocation" class="smlinks" width="170" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef"
onMouseOver="subMenu('plocation',190, 514)"
onMouseOut="subMenu('plocation', -300, 0)">
  <?
  openedb();
  $plocquery =
    "SELECT fno_pk
    FROM floor
    ORDER BY fno_pk";
  $plocresult = mysql_query($plocquery);

  $ploclist = "<tr><td><a href='\"
ploc=0\>RR</a></td></tr>";
  while($plocrow = mysql_fetch_array($plocresult)){
    $ploclist = $ploclist . "<tr><td><a href='\"
$plocrow[0] . "\>FLOOR . $plocrow[0] . "</a></td></tr>";
  }
  closedb();
  print $ploclist;
  ?>
</table>

```

```

<table id="pmonitor" class="smlinks" width="155" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef"
onMouseOver="subMenu('pmonitor',190, 683)"
onMouseOut="subMenu('pmonitor', -300, 0)">
  <tr>

```

```

  <td><a href="medications.php">MEDICATIONS</a></td>
</tr>
<tr>
  <td><a href="pains.php">PAIN SCORES</a></td>
</tr>
<tr>
  <td><a href="effects.php">SIDE EFFECTS</a></td>
</tr>
</table>

```

calendar.js

```

// +-----+
// |               Popup Calendar(Window)               |
// +-----+
// | Last Modified:      22-Dec-2005                    |
// | Web Site:           http://www.yxscripts.com        |
// | Email:              m_yangxin@hotmail.com          |
// +-----+
// |               Copyright 2002 Xin Yang All Rights Reserved. |
// |               This version featured on Dynamic Drive   |
// |               (http://www.dynamicdrive.com)          |
// +-----+

```

```

// default settings
var fontFace="verdana";
var fontSize=9;

```

```

var titleWidth=90;
var titleMode=1;
var dayWidth=12;
var dayDigits=1;

```

```

var titleColor="#cccccc";
var daysColor="#cccccc";
var bodyColor="#ffffff";
var dayColor="#ffffff";
var currentDayColor="#333333";
var footColor="#cccccc";
var borderColor="#333333";

```

```

var titleFontColor = "#333333";
var daysFontColor = "#333333";
var dayFontColor = "#333333";
var currentDayFontColor = "#ffffff";
var footFontColor = "#333333";

```

```

var calFormat = "yyyy/mm/dd";

```

```

var weekDay = 0;
// -----

```

```

// codes
var calWidth=200, calHeight=200, calOffsetX=-200, calOffsetY=16;
var calWin=null;
var winX=0, winY=0;
var cal="cal";
var calS=new Array();
var currentCal=null;

```

```

var yxMonths=new Array("January", "February", "March", "April",
"May", "June", "July", "August", "September", "October", "November",
"December");
var yxDays=new Array("Sunday", "Monday", "Tuesday", "Wednesday",
"Thursday", "Friday", "Saturday", "Sunday");
var yxLinks=new Array("[close]", "[clear]");

```

```

var nav=navigator.userAgent.toLowerCase();
var isOpera=(nav.indexOf("opera")!=-1)?true:false;
var isOpera5=(nav.indexOf("opera 5")!=-1 || nav.indexOf("opera/5")!=
-1)?true:false;
var isOpera6=(isOpera && parseInt(navigator.appVersion)>=6)?
true:false;
var isN6=(nav.indexOf("gecko")!=-1);
var isN4=(document.layers)?true:false;
var isMac=(nav.indexOf("mac")!=-1);
var isIE=(document.all && !isOpera && (!isMac ||
navigator.appVersion.indexOf("MSIE 4")!=-1)?true:false;

```

```

if (isN4) {
  fontSize+=2;
}

```

```

var span2="</span>";

```

```

function span1(tag) {
  return "<span class='\"+tag+'\">";
}

```

```

function spanx(tag, color) {
  return ".\"+tag+\" { font-family:'\"+fontFace+'; font-
size:'\"+fontSize+'px; color:'\"+color+'; }\\n\";

```

```

}

function a1(tag) {
    return "<a class='"+tag+"' href='";
}

function ax(tag, color) {
    return "."+tag+" { text-decoration:none; color:"+color+"; }n";
}

function calOBJ(name, title, field, form) {
    this.name = name;
    this.title = title;
    this.field = field;
    this.formName = form;
    this.form = null
}

function setFont(font, size) {
    if (font != "") {
        fontFace=font;
    }
    if (size > 0) {
        fontSize=size;

        if (isN4) {
            fontSize+=2;
        }
    }
}

function setWidth(tWidth, tMode, dWidth, dDigits) {
    if (tWidth > 0) {
        titleWidth=tWidth;
    }
    if (tMode == 1 || tMode == 2) {
        titleMode=tMode;
    }
    if (dWidth > 0) {
        dayWidth=dWidth;
    }
    if (dDigits > 0) {
        dayDigits=dDigits;
    }
}

function setColor(tColor, dsColor, bColor, dColor, cdColor, fColor,
bdColor) {
    if (tColor != "") {
        titleColor=tColor;
    }
    if (dsColor != "") {
        daysColor=dsColor;
    }
    if (bColor != "") {
        bodyColor=bColor;
    }
    if (dColor != "") {
        dayColor=dColor;
    }
    if (cdColor != "") {
        currentDayColor=cdColor;
    }
    if (fColor != "") {
        footColor=fColor;
    }
    if (bdColor != "") {
        borderColor=bdColor;
    }
}

function setFontColor(tColorFont, dsColorFont, dColorFont,
cdColorFont, fColorFont) {
    if (tColorFont != "") {
        titleFontColor=tColorFont;
    }
    if (dsColorFont != "") {
        daysFontColor=dsColorFont;
    }
    if (dColorFont != "") {
        dayFontColor=dColorFont;
    }
    if (cdColorFont != "") {
        currentDayFontColor=cdColorFont;
    }
    if (fColorFont != "") {
        footFontColor=fColorFont;
    }
}

function setFormat(format) {
    calFormat = format;
}

}

function setSize(width, height, ox, oy) {
    if (width > 0) {
        calWidth=width;
    }
    if (height > 0) {
        calHeight=height;
    }

    calOffsetX=ox;
    calOffsetY=oy;
}

function setWeekDay(wDay) {
    if (wDay == 0 || wDay == 1) {
        weekDay = wDay;
    }
}

function setMonthNames(janName, febName, marName, aprName,
mayName, junName, julName, augName, sepName, octName,
novName, decName) {
    if (janName != "") {
        yxMonths[0] = janName;
    }
    if (febName != "") {
        yxMonths[1] = febName;
    }
    if (marName != "") {
        yxMonths[2] = marName;
    }
    if (aprName != "") {
        yxMonths[3] = aprName;
    }
    if (mayName != "") {
        yxMonths[4] = mayName;
    }
    if (junName != "") {
        yxMonths[5] = junName;
    }
    if (julName != "") {
        yxMonths[6] = julName;
    }
    if (augName != "") {
        yxMonths[7] = augName;
    }
    if (sepName != "") {
        yxMonths[8] = sepName;
    }
    if (octName != "") {
        yxMonths[9] = octName;
    }
    if (novName != "") {
        yxMonths[10] = novName;
    }
    if (decName != "") {
        yxMonths[11] = decName;
    }
}

function setDayNames(sunName, monName, tueName, wedName,
thuName, friName, satName) {
    if (sunName != "") {
        yxDays[0] = sunName;
        yxDays[7] = sunName;
    }
    if (monName != "") {
        yxDays[1] = monName;
    }
    if (tueName != "") {
        yxDays[2] = tueName;
    }
    if (wedName != "") {
        yxDays[3] = wedName;
    }
    if (thuName != "") {
        yxDays[4] = thuName;
    }
    if (friName != "") {
        yxDays[5] = friName;
    }
    if (satName != "") {
        yxDays[6] = satName;
    }
}

function setLinkNames(closeLink, clearLink) {
    if (closeLink != "") {
        yxLinks[0] = closeLink;
    }
    if (clearLink != "") {
}
}

```

```

    yxLinks[1] = clearLink;
  }
}

function addCalendar(name, title, field, form) {
  cal[cals.length] = new calOBJ(name, title, field, form);
}

function findCalendar(name) {
  for (var i = 0; i < cals.length; i++) {
    if (cals[i].name == name) {
      if (cals[i].form == null) {
        if (cals[i].formName == "") {
          if (document.forms[0]) {
            cals[i].form = document.forms[0];
          }
        }
        else if (document.forms[cals[i].formName]) {
          cals[i].form = document.forms[cals[i].formName];
        }
      }
    }
  }
  return cals[i];
}

return null;
}

function getDayName(y,m,d) {
  var wd=new Date(y,m,d);
  return yxDays[wd.getDay()].substring(0,3);
}

function getMonthFromName(m3) {
  for (var i = 0; i < yxMonths.length; i++) {
    if (yxMonths[i].toLowerCase().substring(0,3) == m3.toLowerCase())
    {
      return i;
    }
  }
  return 0;
}

function getFormat() {
  var calF = calFormat;

  calF = calF.replace(/\\g, '\\\\');
  calF = calF.replace(/\\v, '\\v');
  calF = calF.replace(/\\f, '\\f');
  calF = calF.replace(/\\j, '\\j');
  calF = calF.replace(/\\(), '\\()');
  calF = calF.replace(/\\), '\\)');
  calF = calF.replace(/\\{, '\\{');
  calF = calF.replace(/\\}, '\\}');
  calF = calF.replace(/\\<, '\\<');
  calF = calF.replace(/\\>, '\\>');
  calF = calF.replace(/\\/, '\\/');
  calF = calF.replace(/\\*, '\\*');
  calF = calF.replace(/\\?, '\\?');
  calF = calF.replace(/\\+/, '\\+');
  calF = calF.replace(/\\^/, '\\^');
  calF = calF.replace(/\\$/, '\\$');

  calF = calF.replace(/dd/i, '\\d\\d');
  calF = calF.replace(/mm/i, '\\d\\d');
  calF = calF.replace(/yyyy/i, '\\d\\d\\d\\d');
  calF = calF.replace(/day/i, '\\w\\w\\w');
  calF = calF.replace(/mon/i, '\\w\\w\\w');

  return new RegExp(calF);
}

function getDateNumbers(date) {
  var y, m, d;

  var yIdx = calFormat.search(/yyyy/i);
  var mIdx = calFormat.search(/mm/i);
  var m3Idx = calFormat.search(/mon/i);
  var dIdx = calFormat.search(/dd/i);

  y=date.substring(yIdx,yIdx+4)-0;
  if (mIdx != -1) {
    m=date.substring(mIdx,mIdx+2)-1;
  }
  else {
    var m = getMonthFromName(date.substring(m3Idx,m3Idx+3));
  }
  d=date.substring(dIdx,dIdx+2)-0;

  return new Array(y,m,d);
}

}

function hideCal() {
  calWin.close();
  calWin = null;
  window.status = "";
}

function getLeftE(x,m) {
  var dx=0;
  if (x.tagName=="TD"){
    dx=x.offsetLeft;
  }
  else if (x.tagName=="TABLE") {
    dx=x.offsetLeft;
    if (m) { dx+=(x.cellPadding!=""?parseInt(x.cellPadding):2); m=false;
  }
  }
  return dx+(x.parentElement.tagName=="BODY"?
0:getLeftE(x.parentElement,m));
}

function getTopE(x,m) {
  var dy=0;
  if (x.tagName=="TR"){
    dy=x.offsetTop;
  }
  else if (x.tagName=="TABLE") {
    dy=x.offsetTop;
    if (m) { dy+=(x.cellPadding!=""?parseInt(x.cellPadding):2); m=false;
  }
  }
  return dy+(x.parentElement.tagName=="BODY"?
0:getTopE(x.parentElement,m));
}

function getLeftN4(l) { return l.pageX; }
function getTopN4(l) { return l.pageY; }

function getLeftN6(l) { return l.offsetLeft; }
function getTopN6(l) { return l.offsetTop; }

function lastDay(d) {
  var yy=d.getFullYear(), mm=d.getMonth();
  for (var i=31; i>=28; i--) {
    var nd=new Date(yy,mm,i);
    if (mm == nd.getMonth()) {
      return i;
    }
  }
}

function firstDay(d) {
  var yy=d.getFullYear(), mm=d.getMonth();
  var fd=new Date(yy,mm,1);
  return fd.getDay();
}

function dayDisplay(i) {
  if (dayDigits == 0) {
    return yxDays[i];
  }
  else {
    return yxDays[i].substring(0,dayDigits);
  }
}

function calTitle(d) {
  var yy=d.getFullYear(), mm=yxMonths[d.getMonth()];
  var s;

  if (titleMode == 2) {
    s="<tr align='center' bgcolor="" +titleColor+""><td
colspan='7'>\n<table cellpadding='0' cellspacing='0' border='0'><tr
align='center' valign='middle'><td align='right'>"+span1("title")
+"<b>"+a1("titlea")+""javascript:if(window.opener && !
window.opener.closed && window.opener.moveYear)
window.opener.moveYear(-
10)'>&#171;</a>&#171;"+a1("titlea")
+""javascript:if(window.opener && !window.opener.closed &&
window.opener.moveYear) window.opener.moveYear(-
1)'>&#139;&#139;</a></b>"+span2+"</td><td
width="" +titleWidth+""><b>"+span1("title")
+yy+span2+"</b></td><td align='left'>"+span1("title")
+"<b>"+a1("titlea")+""javascript:if (window.opener && !
window.opener.closed && window.opener.moveYear)
window.opener.moveYear(1)'>&#155;</a>&#155;"+a1("titlea")
+""javascript:if (window.opener && !window.opener.closed &&
window.opener.moveYear)
window.opener.moveYear(10)'>&#187;&#187;</a></b>"+span2+"</
td></tr><tr align='center' valign='middle'><td
align='right'>"+span1("title")+<b>"+a1("titlea")+""javascript:if
(window.opener && !window.opener.closed &&

```

```

window.opener.prepMonth) window.opener.prepMonth("+d.getMonth()
+"))&#139;&#139;&#139;</a></b>"+span2+"</td><td
width="+titleWidth+"><b>"+span1("title")
+mm+span2+"</b></td><td align='left'>"+span1("title")
+"<b>"+a1("titlea")+""javascript:if(window.opener && !
window.opener.closed && window.opener.nextMonth)
window.opener.nextMonth("+d.getMonth()
+"))&#155;&#155;</a></b>"+span2+"</td></tr></table>\
n</td></tr><tr align='center' bgcolor="" +daysColor+">";
}
else {
s="<tr align='center' bgcolor="" +titleColor+"><td
colspan='7'>\n<table cellpadding='0' cellspacing='0' border='0'><tr
align='center' valign='middle'><td>"+span1("title")
+"<b>"+a1("titlea")+""javascript:if(window.opener && !
window.opener.closed && window.opener.moveYear)
window.opener.moveYear(-
1)>&#171;</a>&#171;</a>&#171;"+a1("titlea")+""javascript:if
(window.opener && !window.opener.closed &&
window.opener.prepMonth) window.opener.prepMonth("+d.getMonth()
+"))&#139;&#139;&#139;</a></b>"+span2+"</td><td
width="+titleWidth+"><no><b>"+span1("title")+mm+"
"+yy+span2+"</b></no></td><td>"+span1("title")
+"<b>"+a1("titlea")+""javascript:if(window.opener && !
window.opener.closed && window.opener.nextMonth)
window.opener.nextMonth("+d.getMonth()
+"))&#155;</a>&#155;"+a1("titlea")
+""javascript:if(window.opener && !window.opener.closed &&
window.opener.moveYear)
window.opener.moveYear(1)>&#187;&#187;</a></b>"+span2+"</t
d></tr></table>\n</td></tr><tr align='center'
bgcolor="" +daysColor+">";
}

for (var i=weekDay; i<weekDay+7; i++) {
s+="<td width="" +dayWidth+">"+span1("days")+dayDisplay(i)
+span2+"</td>";
}

s+="</tr>";
return s;
}

function calHeader() {
return "<head>\n<title>"+currentCal.title+"</title>\n<style
type='text/css'>\n"+spanx("title",titleFontColor)
+spanx("days",daysFontColor)+spanx("foot",footColor)
+spanx("day",dayFontColor)
+spanx("currentDay",currentDayFontColor)+ax("titlea",titleFontColor)
+ax("daya",dayFontColor)+ax("currenta",currentDayFontColor)
+ax("foota",footFontColor)+"</style>\n</head>\n<body>\n<table
align='center' border='0' bgcolor="" +borderColor+" cellspacing='0'
cellpadding='1'><tr><td>\n<table cellpadding='3'
border='0'>";
}

function calFooter() {
return "<tr bgcolor="" +footColor+"><td colspan='7'
align='center'>"+span1("foot")+<b>"+a1("foota")+""javascript:if
(window.opener && !window.opener.closed &&
window.opener.hideCal)
window.opener.hideCal()'>"+yLinks[0]+</a>&#139;&#139;"+a1("fo
ota")+""javascript:if(window.opener && !window.opener.closed &&
window.opener.clearDate)
window.opener.clearDate()'>"+yLinks[1]+</a></b>"+span2+"</td
></tr></table>\n</td></tr></table>\n</body>";
}

function calBody(d,day) {
var s="", dayCount=1, fd=firstDay(d), ld=lastDay(d);

if (weekDay > 0 && fd == 0) {
fd = 7;
}

for (var i=0; i<6; i++) {
s+="<tr align='center' bgcolor="" +bodyColor+">";
for (var j=weekDay; j<weekDay+7; j++) {
if (i*7+j<fd || dayCount>ld) {
s+="<td>"+span1("day")+&#139;&#139;"+span2+"</td>";
}
else {
var bgColor=dayColor;
var fgTag="day";
var fgTagA="daya";
if (dayCount==day) {
bgColor=currentDayColor;
fgTag="currentDay";
fgTagA="currenta";
}
}
}
}

s+="<td bgcolor="" +bgColor+">"+span1(fgTag)+a1(fgTagA)
+""javascript: if (window.opener && !window.opener.closed &&
window.opener.pickDate)
window.opener.pickDate("+dayCount+")>"+(dayCount++)
+"</a>"+span2+"</td>";
}
}
s+="</tr>";
return s;
}

function moveYear(dy) {
cY+=dy;
var nd=new Date(cY,cM,1);
changeCal(nd);
}

function prepMonth(m) {
cM=m-1;
if (cM<0) { cM=11; cY--; }
var nd=new Date(cY,cM,1);
changeCal(nd);
}

function nextMonth(m) {
cM=m+1;
if (cM>11) { cM=0; cY++; }
var nd=new Date(cY,cM,1);
changeCal(nd);
}

function changeCal(d) {
var dd = 0;

if (currentCal != null) {
var calRE = getFormat();

if (currentCal.form[currentCal.field].value!="&&
calRE.test(currentCal.form[currentCal.field].value)) {
var cd = getDateNumbers(currentCal.form[currentCal.field].value);
if (cd[0] == d.getFullYear() && cd[1] == d.getMonth()) {
dd=cd[2];
}
else {
var cd = new Date();
if (cd.getFullYear() == d.getFullYear() && cd.getMonth() ==
d.getMonth()) {
dd=cd.getDate();
}
}
}

var calendar=calHeader()+calTitle(d)+calBody(d,dd)+calFooter();

calWin.document.open();
calWin.document.write(calendar);
calWin.document.close();
}

function markClick(e) {
if (isIE || isOpera6) {
winX=event.screenX;
winY=event.screenY;
}
else if (isN4 || isN6) {
winX=e.screenX;
winY=e.screenY;
}

document.routeEvent(e);
}

if (isN4 || isN6) {
document.routeEvent(e);
}
else {
event.cancelBubble=false;
}

return true;
}

function showCal(name) {
var lastCal=currentCal;
var d=new Date(), hasCal=false;

currentCal = findCalendar(name);

if (currentCal != null && currentCal.form != null &&
currentCal.form[currentCal.field]) {

```



```

var calRE = getFormat();

if (currentCal.form[currentCal.field].value!="" &&
calRE.test(currentCal.form[currentCal.field].value)) {
var cd = getDateNumbers(currentCal.form[currentCal.field].value);
d=new Date(cd[0],cd[1],cd[2]);

cY=cd[0];
cM=cd[1];
dd=cd[2];
}
else {
cY=d.getFullYear();
cM=d.getMonth();
dd=d.getDate();
}

var calendar=calHeader()+calTitle(d)+calBody(d,dd)+calFooter();

if (calWin != null && typeof(calWin.closed)!="undefined" && !
calWin.closed) {
hasCal=true;
calWin.moveTo(winX+calOffsetX,winY+calOffsetY);
}

if (!hasCal) {
if (isIE || isOpera6) {
calWin=window.open("", "cal", "toolbar=0,width="+calWidth+",height="+calHeight+",left="+
(winX+calOffsetX)+",top="+
(winY+calOffsetY));
}
else {
calWin=window.open("", "cal", "toolbar=0,width="+calWidth+",height="+calHeight+",screenx="+
(winX+calOffsetX)+",screeny="+
(winY+calOffsetY));
}

calWin.document.open();
calWin.document.write(calendar);
calWin.document.close();

calWin.focus();
}
else {
if (currentCal == null) {
window.status = "Calendar ["+name+"] not found.";
}
else if (!currentCal.form) {
window.status = "Form ["+currentCal.formName+"] not found.";
}
else if (!currentCal.form[currentCal.field]) {
window.status = "Form Field
["+currentCal.formName+"."+currentCal.field+"] not found.";
}

if (lastCal != null) {
currentCal = lastCal;
}
}

function get2Digits(n) {
return ((n<10)?"0":"")+n;
}

function clearDate() {
currentCal.form[currentCal.field].value="";
hideCal();
}

function pickDate(d) {
hideCal();
window.focus();

var date=calFormat;
date = date.replace(/yyyy/i, cY);
date = date.replace(/mm/i, get2Digits(cM+1));
date = date.replace(/MON/,
yxMonths[cM].substring(0,3).toUpperCase());
date = date.replace(/Mon/i, yxMonths[cM].substring(0,3));
date = date.replace(/dd/i, get2Digits(d));
date = date.replace(/DAY/, getDayName(cY,cM,d).toUpperCase());
date = date.replace(/day/i, getDayName(cY,cM,d));

currentCal.form[currentCal.field].value=date;
// IE5/Mac needs focus to show the value, weird.
currentCal.form[currentCal.field].focus();
}
// -----
// user functions

function checkDate(name) {
var thisCal = findCalendar(name);

if (thisCal != null && thisCal.form != null &&
thisCal.form[thisCal.field]) {
var calRE = getFormat();

if (calRE.test(thisCal.form[thisCal.field].value)) {
return 0;
}
else {
return 1;
}
}
else {
return 2;
}
}

function getCurrentDate() {
var date=calFormat, d = new Date();
date = date.replace(/yyyy/i, d.getFullYear());
date = date.replace(/mm/i, get2Digits(d.getMonth()+1));
date = date.replace(/dd/i, get2Digits(d.getDate()));

return date;
}

function compareDates(date1, date2) {
var calRE = getFormat();
var d1, d2;

if (calRE.test(date1)) {
d1 = getNumbers(date1);
}
else {
d1 = getNumbers(getCurrentDate());
}

if (calRE.test(date2)) {
d2 = getNumbers(date2);
}
else {
d2 = getNumbers(getCurrentDate());
}

var dStr1 = d1[0] + "" + d1[1] + "" + d1[2];
var dStr2 = d2[0] + "" + d2[1] + "" + d2[2];

if (dStr1 == dStr2) {
return 0;
}
else if (dStr1 > dStr2) {
return 1;
}
else {
return -1;
}
}

function getNumbers(date) {
var calRE = getFormat();
var y, m, d;

if (calRE.test(date)) {
var yldx = calFormat.search(/yyyy/i);
var mldx = calFormat.search(/mm/i);
var m3ldx = calFormat.search(/mon/i);
var dldx = calFormat.search(/dd/i);

y=date.substring(yldx,yldx+4);
if (mldx != -1) {
m=date.substring(mldx,mldx+2);
}
else {
var mm=getMonthFromName(date.substring(m3ldx,m3ldx+3))+1;
m=(mm<10)?("0"+mm):(""+mm);
}
d=date.substring(dldx,dldx+2);

return new Array(y,m,d);
}
else {
return new Array("", "", "");
}
}
// -----
if (isN4 || isN6) {
document.captureEvents(Event.CLICK);
}
document.onclick=markClick;

```

```
// popms configuration
addCalendar("birthdate", "Select Date", "bday", "editpreopform");
addCalendar("preop", "Select Date", "or_date", "editpreopform");
addCalendar("postop", "Select Date", "or_date", "editpostopform");
addCalendar("rr", "Select Date", "rrdate", "editrrform");
addCalendar("monitor", "Select Date", "endmonitor", "editrrform");
addCalendar("medication", "Select Date", "sdate",
"editmedicationform");
addCalendar("pain", "Select Date", "pain_date", "editpainform");
addCalendar("estart", "Select Date", "date_start", "editeffectform");
addCalendar("eresolve", "Select Date", "date_resolved",
"editeffectform");
addCalendar("carryout", "Select Date", "gdate", "editcarryoutform");
addCalendar("discharge", "Select Date", "ddate", "editdischargeform");
addCalendar("assignment", "Select Date", "sched_date",
"editassignmentform");
addCalendar("sreport", "Select Date", "srep_date", "limitreportform");
addCalendar("ereport", "Select Date", "erep_date", "limitreportform");

setWidth(90, 1, 15, 1);
setFormat ("yyyy-mm-dd");
```

configuration.php

```
<?
//database configuration

putenv("TZ=Asia/Manila");
define("DB_AREA", "localhost");
define("DB_USER", "root");
define("DB_PASS", "");
?>
```

default.css

```
.overlay_dialog {
background-color: #666666;
filter:alpha(opacity=60);
-moz-opacity: 0.6;
opacity: 0.6;
}

.overlay__invisible__ {
background-color: #666666;
filter:alpha(opacity=0);
-moz-opacity: 0;
opacity: 0;
}

.dialog_nw {
width: 9px;
height: 23px;
background: transparent url(default/top_left.gif) no-repeat 0 0;
}

.dialog_n {
background: transparent url(default/top_mid.gif) repeat-x 0 0;
height: 23px;
}

.dialog_ne {
width: 9px;
height: 23px;
background: transparent url(default/top_right.gif) no-repeat 0 0;
}

.dialog_e {
width: 2px;
background: transparent url(default/center_right.gif) repeat-y 0 0;
}

.dialog_w {
width: 2px;
background: transparent url(default/center_left.gif) repeat-y 0 0;
}

.dialog_sw {
width: 9px;
height: 19px;
background: transparent url(default/bottom_left.gif) no-repeat 0 0;
}

.dialog_s {
background: transparent url(default/bottom_mid.gif) repeat-x 0 0;
height: 19px;
}

.dialog_se {
width: 9px;
height: 19px;
```

```
background: transparent url(default/bottom_right.gif) no-repeat 0 0;
}

.dialog_sizer {
width: 9px;
height: 19px;
background: transparent url(default/sizer.gif) no-repeat 0 0;
cursor:se-resize;
}

.dialog_close {
width: 14px;
height: 14px;
background: transparent url(default/close.gif) no-repeat 0 0;
position:absolute;
top:5px;
left:8px;
cursor:pointer;
z-index:2000;
}

.dialog_minimize {
width: 14px;
height: 15px;
background: transparent url(default/minimize.gif) no-repeat 0 0;
position:absolute;
top:5px;
left:28px;
cursor:pointer;
z-index:2000;
}

.dialog_maximize {
width: 14px;
height: 15px;
background: transparent url(default/maximize.gif) no-repeat 0 0;

position:absolute;
top:5px;
left:49px;
cursor:pointer;
z-index:2000;
}

.dialog_title {
float:left;
height:14px;
font-family: Tahoma, Arial, sans-serif;
font-size:12px;
text-align:center;
width:100%;
color:#000;
}

.dialog_content {
overflow:auto;
color: #DDD;
font-family: Tahoma, Arial, sans-serif;
font-size: 10px;
background-color:#123;
}

.top_draggable, .bottom_draggable {
cursor:move;
}

.status_bar {
font-size:12px;
}

.status_bar input{
font-size:12px;
}

.wired_frame {
display: block;
position: absolute;
border: 1px #000 dashed;
}

/* DO NOT CHANGE THESE VALUES*/
.dialog {
display: block;
position: absolute;
}

.dialog table.table_window {
border-collapse: collapse;
border-spacing: 0;
width: 100%;
margin: 0px;
padding:0px;
```

```

}
.dialog table.table_window td .dialog table.table_window th {
padding: 0;
}

.dialog .title_window {
-moz-user-select:none;
}

footer.lbi


|                                                           |
|-----------------------------------------------------------|
| Copyright &copy; 2008. UP<br>Manila. All Rights Reserved. |
|-----------------------------------------------------------|



header.php


|  |
|--|
|  |
|--|



nurselinks.lbi


|                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">HOME</a> <a href="#">MY ACCOUNT</a> <a href="#">PATIENTS' STATUS</a> <a href="#">PATIENTS' LOCATION</a> <a href="#">MONITORING DATA</a> <a href="#">LOGOUT</a> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



|                         |
|-------------------------|
| <a href="#">ADD NEW</a> |
|-------------------------|



if(date('G') < 6 || date('G') > 21){
$nacondition =
"(DATE_FORMAT(NOW(), '%Y%m%d%H%i%s')
BETWEEN DATE_FORMAT(CONCAT(adate, ' ', stime), '%Y%m%d%H%i%s')
AND DATE_FORMAT(CONCAT(adate, ' ', etime), '%Y%m%d%H%i%s'))";
}

opendb();

$narrquery =
"SELECT asid_pk
FROM assign, anurse, aroom
WHERE asid_pk = anurse.asid_fk
AND asid_pk = aroom.asid_fk
AND rid_fk = 1 AND nid_fk = $usr_id
AND $nacondition";
$narrresult = mysql_query($narrquery);
$rrn = mysql_num_rows($narrresult);

if($rrn > 0){
?>
| NEW POSTOP |


|                                                                                      |
|--------------------------------------------------------------------------------------|
| <a href="#">PATIENTS.php?ploc=" . \$plocrow[0] . "&gt;FLOOR " . \$plocrow[0] . "</a> |
|--------------------------------------------------------------------------------------|



while($plocrow = mysql_fetch_array($plocresult)){
$plocrow = $plocrow . "<tr><td><a href='\"";
}

closedb();
print $plocrow;
?>




|                              |
|------------------------------|
| <a href="#">MEDICATIONS</a>  |
| <a href="#">PAIN SCORES</a>  |
| <a href="#">SIDE EFFECTS</a> |



popmscss.css
/* CSS Document of POPMS */

/* PAGE GLOBAL PROPERTIES */
body{
background-color: #ffffff;
font-family: Verdana, Arial, Helvetica, sans-serif;
font-size: 11px;
color: #808080;
}

/* TABLES */
td, th{
font-family: Verdana, Arial, Helvetica, sans-serif;
font-size: 11px;
}

```

```

    color: #808080;
}

/* GLOBAL LINKS */
a{
    font-size: 10px;
    color: #739096;
    text-decoration: none;
    font-weight: bold;
}
a:hover{
    font-size: 10px;
    text-decoration: underline;
    color: #739096;
    font-weight: bold;
}

/* PAGE TITLE */
.title{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 18px;
    color: #7eb456;
    font-weight: bold;
}
.subtitle{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 15px;
    color: #15294e;
    font-weight: bold;
    width: 100%;
    filter:progid:DXImageTransform.Microsoft.Gradient(GradientType=1,StartColorStr='#ffffff',EndColorStr='#ededed');
}

.attention{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    color: #739096;
    font-weight: bold;
}

/* BOX */
.headerbox{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 12px;
    font-weight: bold;
    color: #80ae4c;
    filter:progid:DXImageTransform.Microsoft.Gradient(GradientType=0,StartColorStr='#ffffff',EndColorStr='#eef2e4');
}
.boxwithheader{
    border-width: 3px;
    border-color: #eaeaea;
    border-style: solid;
    filter:progid:DXImageTransform.Microsoft.Gradient(GradientType=0,StartColorStr='#ffffff',EndColorStr='#eef2e4');
}

/* BUTTONS */
input.cssbutton{
    font-size:11px;
    font-family:Verdana,sans-serif;
    font-weight:bold;
    color:#ffffff;
    height:27px;
    width:65px;
    background-color:#a97174;
    filter:progid:DXImageTransform.Microsoft.Gradient(GradientType=0,StartColorStr='#ffffff',EndColorStr='#a97174');
}

/* MENU LINKS */
.mlinks{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 9px;
    font-weight: bold;
    color: #3c566f;
    filter:progid:DXImageTransform.Microsoft.Gradient(GradientType=0,StartColorStr='#abd2e1',EndColorStr='#ffffff');
}
.mlinks a{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 12px;
    font-weight: bold;
    color: #3c566f;
}
.mlinks a:hover{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 12px;
    font-weight: bold;
    color: #3c566f;
    text-decoration: none;
}

/* SUBMENU LINKS */
.smlinks{
    filter:progid:DXImageTransform.Microsoft.Gradient(GradientType=0,StartColorStr='#ffffff',EndColorStr='#abd2e1');
    position: absolute;
    top: -300px;
    overflow: hidden;
    line-height:20px;
    text-align: center;
}
.smlinks a{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 11px;
    color: #3c566f;
}
.smlinks a:hover{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 12px;
    font-weight: bold;
    color: #3c566f;
    text-decoration: none;
}

/* FOOTER */
.footer{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 9px;
    color: #808080;
    bottom: 0px;
    vertical-align:bottom;
}

/* ERROR MESSAGES */
.error{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 9px;
    color: #fb0101;
}

/* NOTIFICATION MESSAGES */
.notify{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 9px;
    color: #336699;
}

/* LIST */
.listheader{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 11px;
    font-weight: bold;
    color: #80ae4c;
    text-align: "center";
    line-height: 20px;
    filter:progid:DXImageTransform.Microsoft.Gradient(GradientType=0,StartColorStr='#ffffff',EndColorStr='#eef2e4');
}
.listheader a{
    font-size: 11px;
    color: #80ae4c;
}
.listheader a:hover{
    font-size: 11px;
    color: #80ae4c;
    text-decoration: "none";
}
.listcontent{
    line-height: 17px;
    filter:progid:DXImageTransform.Microsoft.Gradient(GradientType=0,StartColorStr='#ffffff',EndColorStr='#eef2e4');
}

popmsfunctions.php
<?php
// php functions

// opens the database
function opendir(){
    $dbserver='localhost';
    $dbusername='root';
    $dbpswrd="";
    $dbname='popms';

    $dbconnect = mysql_connect($dbserver, $dbusername, $dbpswrd) or
die ('Error connecting to $dbname database');

    mysql_select_db($dbname) or die ('Error: Cannot access $dbname
database');
}

```

```

// closes the database
function closedb(){
    @mysql_close();
}

// checks if the user session already expired
function sessioncheck($sessid, $sesscookie){
    if($sessid=="" || $sesscookie=="" || $sessid!=$sesscookie){
        $msg = "Session expired.";
        $url = "logout.php?msg=" . $msg;
        header("Location: http://" . $_SERVER['HTTP_HOST'].
rtrim(dirname($_SERVER['PHP_SELF']), '\\'). "/" . $url);
    }
}

// manages paging of lists
function paging($listmax, $recordsperpage, $liststart, $listend,
$topass, $towards){
    if(($liststart == "" || ($liststart == 0) || ($liststart == 1)){
        $liststart = 1;
        $hasprev = "Previous";
    }else{
        $liststart = $liststart;
        $nextstart = $liststart + $recordsperpage;
        $hasprev = "<a href='\" . $towards . ".php?liststart=" . $nextstart .
$topass . "\">Previous</a>";
    }

    $remainingrecords = $listmax - $recordsperpage - $liststart + 1;
    if($remainingrecords > 0){
        $listend = $liststart + $recordsperpage - 1;
        $nextstart = $listend + 1;
        $hasnext = "<a href='\" . $towards . ".php?liststart=" . $nextstart .
$topass . "\">Next</a>";
    }else{
        $listend = $listmax;
        $hasnext = "Next";
    }

    $_POST['hasprev'] = $hasprev;
    $_POST['hasnext'] = $hasnext;
    $_POST['liststart'] = $liststart;
    $_POST['listend'] = $listend;
}

function endmedication($medid){
    $emquery =
    "UPDATE medication
    SET med_end = 1";

    if($emresult = mysql_query($emquery)){
        return 1;
    }else{
        return 0;
    }
}

?>

popmsscript.js
// JavaScript Document of POPMS

// Creates a drop-down menu effect using layers.
function subMenu(lyr, toppx, leftpx){
    document.all[lyr].style.pixelTop = toppx;
    document.all[lyr].style.pixelLeft = leftpx;
}

// Controls the animation of buttons
function btnOver(myForm,myButton){
    window.document.forms[myForm].elements[myButton].style.fontWei
ght = "normal";
}
function btnOut(myForm,myButton){
    window.document.forms[myForm].elements[myButton].style.fontWei
ght = "bold";
}

// displays the time
// code from http://www.elated.com/articles/creating-a-javascript-clock/
function updateClock(){
    var currentTime = new Date ( );
    var currentHours = currentTime.getHours ( );
    var currentMinutes = currentTime.getMinutes ( );
    var currentSeconds = currentTime.getSeconds ( );

    // Pad the minutes and seconds with leading zeros, if required
    currentMinutes = ( currentMinutes < 10 ? "0" : "" ) + currentMinutes;
    currentSeconds = ( currentSeconds < 10 ? "0" : "" ) +
currentSeconds;

    // Choose either "AM" or "PM" as appropriate
    var timeOfDay = ( currentHours < 12 ) ? "am" : "pm";

    // Convert the hours component to 12-hour format if needed
    currentHours = ( currentHours > 12 ) ? currentHours - 12 :
currentHours;

    // Convert an hours component of "0" to "12"
    currentHours = ( currentHours == 0 ) ? 12 : currentHours;

    // Compose the string for display
    var currentTimeString = currentHours + ":" + currentMinutes + ":" +
currentSeconds + " " + timeOfDay;
    return currentTimeString;
}

// countdown
function countdown(arraynxttime, arraycdloc){
    var nxttime = arraynxttime.split(":*");
    var cdloc = arraycdloc.split(":*");
    var now = new Date();
    var month, day, hours, minutes, seconds, timeOfDay, nxtdate, i;
    var months=new Array(12);
    months[0]="Jan";
    months[1]="Feb";
    months[2]="Mar";
    months[3]="Apr";
    months[4]="May";
    months[5]="June";
    months[6]="July";
    months[7]="Aug";
    months[8]="Sept";
    months[9]="Oct";
    months[10]="Nov";
    months[11]="Dec";

    for(i in cdloc){
        var towhen = new Date(nxttime[i]);
        var timeleft = Math.round((towhen-now) / 1000);
        var days = Math.floor(((timeleft%31556926)%2629744)/86400);

        if(days == 0 && timeleft > 0){
            hours = Math.floor((((timeleft
%31556926)%2629744)%86400)/3600);
            minutes = Math.floor((((timeleft
%31556926)%2629744)%86400)/60);
            seconds = Math.floor((((timeleft
%31556926)%2629744)%86400)%3600)%60);

            seconds = (seconds < 10 ? "0" : "" ) + seconds;
            minutes = (minutes < 10 ? "0" : "" ) + minutes;
            hours = (hours < 10 ? "0" : "" ) + hours;

            remtime = hours + ":" + minutes + ":" + seconds;
            try {document.getElementById(cdloc[i]).firstChild.nodeValue =
remtime;} catch(e){}
            setTimeout("countDown(\"+nxttime[i]+\", \"+cdloc[i]+\")",1000);
        }else{
            month = towhen.getMonth();
            try{
                var nxdtday = nxttime[i].split(" ");
                day = nxdtday[1];
                hours = towhen.getHours();
                minutes = towhen.getMinutes();

                minutes = ( minutes < 10 ? "0" : "" ) + minutes;

                timeOfDay = ( hours < 12 ) ? "am" : "pm";

                hours = ( hours > 12 ) ? hours - 12 : hours;
                hours = ( hours == 0 ) ? 12 : hours;

                nxtdate = months[month] + " " + day + ", " + hours + ":" +
minutes + " " + timeOfDay;

                document.getElementById(cdloc[i]).firstChild.nodeValue =
nxtdate;
            } catch(e){}
        }
    }

    // Go to a URL and pass a value
    function checkType(myselect, myurl){
        var newlink = myurl + "&" + myselect.name + "=" +
myselect.options[myselect.selectedIndex].value;
        window.location.href = newlink;
    }

    //creates a confirmation message
    function confirmAction(myurl, myname){
        var delmsg = "Are you sure you want to delete " + myname + "?";
        var newlink = myurl + "&nwname=" + myname;
    }
}

```

```

if (confirm(delmsg)){
    window.location.href = newlink;
}
}

// disable or enable an option using checkbox
function checkOption(mycheck,myselect){
    var myform = mycheck.form;
    var mysel = myform.elements[myselect];

    if(mycheck.checked == true){
        mysel.disabled=false;
    }else{
        mysel.disabled=true;
    }
}

// add more input
function addMore(mylist, myvalue, mydnt){
    var myform = mylist.form;
    var myvar = "add" + mylist.name;
    var myvarname = myform.elements[myvar];
    var newval = myvalue + 1;
    myvarname.value=newval;

    var dnt = myform.elements[mydnt];
    dnt.value=1;

    myform.submit();
}

/*function changeImage(img_nme, new_img) {
    document[img_nme].src = new_img;
}

function submitForm(subform) {
    if (window.event && window.event.keyCode == 13)
        subform.submit();
    else
        return true;
}
*/

//confirmation of stopping a medication
function confirmStopMed(url, medid, pname, med, dose, pid, cid,
urlfrom){
    var stopmsg = "Are you sure you want to stop the medication of " +
pname + "(" + med + ", " + dose + ")?";
    var newlink = url + "&medid=" + medid + "&pid=" + pid + "&cid="
+ cid + "&pname=" + pname + "&med=" + med + "&dose=" + dose
+ "&urlfrom=" + urlfrom;

    if (confirm(stopmsg)){
        window.location.href = newlink;
    }
}

function confirmActive(url, mid, pname, pid, urlfrom){
    var activatemsg = "Are you sure you want to monitor " + pname + "
again?";
    var newlink = url + "&mid=" + mid + "&pid=" + pid + "&pname=" +
pname + "&urlfrom=" + urlfrom;

    if (confirm(activatemsg)){
        window.location.href = newlink;
    }
}

function confirmStopMonitor(url, mid, pname, pid, cid, urlfrom){
    var deactivatemsg = "Stopping the monitoring of a patient will
disable editing of patient's pain scores, side effects and medication
details.\nAll notifications about the patient's condition will also
stop.\n\nAre you sure you want stop monitoring " + pname + "?";
    var newlink = url + "&mid=" + mid + "&pid=" + pid + "&cid=" + cid
+ "&pname=" + pname + "&urlfrom=" + urlfrom;

    if (confirm(deactivatemsg)){
        window.location.href = newlink;
    }
}

function confirmDischarge(myform, pname){
    if(confirm("Discharging a patient will disable editing of patient's
consultation details.\n\nDo you want to continue discharging " +
pname + "?")){
        return true;
    }else{
        return false;
    }
}
}

```

```

function searchPatient(searched, hnum, pname, andor){
    var win = new Window({title:'Patient Search', width:205, height:170,
zIndex: 0, resizable: false, draggable:false, wiredDrag: true,
maximizable:false, closable:false})
    if(searched == 1){
        var andcheck, orcheck;
        if(andor == 'AND'){
            andcheck = "checked='checked'";
            orcheck = "";
        }else{
            andcheck = "";
            orcheck = "checked='checked'";
        }
        win.getContent().innerHTML= "<form method='post'
action='patientsearch.php' name='psearch'><div
style='padding:10px'>Hospital Number:<br/><input size='25'
name='shnum' value='' + hnum + ""/><br/>Patient
Name:<br/><input size='25' name='spname' value='' + pname +
""/><br/><center><input type='radio' name='sandor' value='AND' "
+ andcheck + ">AND&nbsp;&nbsp;&nbsp;<input type='radio' name='sandor'
value='OR' " + orcheck + ">OR<br/><br/><input type='submit'
value='go'></center></div></form>";
    }else{
        win.getContent().innerHTML= "<form method='post'
action='patientsearch.php' name='psearch'><div
style='padding:10px'>Hospital Number:<br/><input size='25'
name='shnum' /><br/>Patient Name:<br/><input size='25'
name='spname' /><br/><center><input type='radio' name='sandor'
value='AND'>AND&nbsp;&nbsp;&nbsp;<input type='radio' name='sandor'
value='OR' checked='checked' >OR<br/><br/><input type='submit'
value='go'></center></div></form>";
    }

    win.showCenter(0,0,0);

    if(searched != 1){
        win.minimize();
    }
}

function smsMessages(){
    var winsms = new Window({title: "SMS Messages", resizable: false,
minimizable:false, maximizable:false, closable:false,
top:0, left:695, width:290, height:135,
url: "smsmessages.php", showEffectOptions:
{duration:1.5}})
    winsms.show();
}

popmssms.php
<?
// manages sms messaging

$def_coding = "Default_No_Compression";
$def_servermobile = "09064950319";

function connect_gammu(){
    $gammudbasename = 'smsd';
    $gammudbasehost = 'localhost';
    $gammudbaseuser = 'root';
    $gammudbasepassword = "";
    GLOBAL $gammudbaseconnect;

    $gammudbaseconnect = mysql_connect($gammudbasehost,
$gammudbaseuser, $gammudbasepassword);

    if(!$gammudbaseconnect){
        echo "Error connecting to $gammudbasename database.";
        exit;
    }

    mysql_select_db($gammudbasename);
}

function send_sms($celno, $sendtime, $txtmsg, $coding, $msgsid){
    connect_gammu();

    $msglength = strlen($txtmsg);

    if($msglength < 150){
        $sms_insert =
        "INSERT INTO
        outbox (DestinationNumber, SendingDateTime, TextDecoded,
Coding, CreatorID)
        VALUES ('$celno', '$sendtime', '$txtmsg', '$coding', '$msgsid')";
        $sms_result = mysql_query($sms_insert) or die(mysql_error());
    }
    else{
        $n = ceil($msglength/154);

        $arr_string = array();

```

```

$msg2 = array();
$offset = 0;
for($k = 1; $k <= $n; $k++){
    $msg_multipart = substr($txtmsg, $offset, $offset + 154);
    array_push($msg2, "$msg_multipart");
    $offset = $offset + 154;
}

krsort($msg2);
for($ctr = 1; $ctr <= $n; $ctr++){
    $smsmsg = "{$ctr/$n} ".$msg2[$ctr-1];
    $sms_insert =
        "INSERT INTO
        outbox (DestinationNumber, SendingDateTime, TextDecoded,
        Coding, CreatorID)
        VALUES ('$celno', '$sendtime', '$smsmsg', '$coding', '$msgid')";
    $sms_result = mysql_query($sms_insert) or die(mysql_error());
}
}
?>

```

prototype.js

```

/* Prototype JavaScript framework, version 1.5.1_rc3
 * (c) 2005-2007 Sam Stephenson
 *
 * Prototype is freely distributable under the terms of an MIT-style
 * license.
 * For details, see the Prototype web site: http://www.prototypejs.org/
 */
/*-----*/

var Prototype = {
  Version: '1.5.1_rc3',

  Browser: {
    IE: !(window.attachEvent && !window.opera),
    Opera: !!window.opera,
    WebKit: navigator.userAgent.indexOf('AppleWebKit/') > -1,
    Gecko: navigator.userAgent.indexOf('Gecko') > -1 &&
    navigator.userAgent.indexOf('KHTML') == -1
  },

  BrowserFeatures: {
    XPath: !!document.evaluate,
    ElementExtensions: !!window.HTMLElement,
    SpecificElementExtensions:
      (document.createElement('div').__proto__ !==
      document.createElement('form').__proto__)
  },

  ScriptFragment: '<script[^>]*>[^\u0001-\uFFFF]*?</script>',
  JSONFilter: '/^\s*(?:-|s*(.*)s*\s*\s*$)/',

  emptyFunction: function() { },
  K: function(x) { return x }

  var Class = {
    create: function() {
      return function() {
        this.initialize.apply(this, arguments);
      }
    }
  }

  var Abstract = new Object();

  Object.extend = function(destination, source) {
    for (var property in source) {
      destination[property] = source[property];
    }
    return destination;
  }

  Object.extend(Object, {
    inspect: function(object) {
      try {
        if (object === undefined) return 'undefined';
        if (object === null) return 'null';
        return object.inspect ? object.inspect() : object.toString();
      } catch (e) {
        if (e instanceof RangeError) return '...';
        throw e;
      }
    }
  },

  toJSON: function(object) {
    var type = typeof object;
    switch (type) {
      case 'undefined':

```

```

      case 'function':
      case 'unknown': return;
      case 'boolean': return object.toString();
    }
    if (object === null) return 'null';
    if (object.toJSON) return object.toJSON();
    if (object.ownerDocument === document) return;
    var results = [];
    for (var property in object) {
      var value = Object.toJSON(object[property]);
      if (value !== undefined)
        results.push(property.toJSON() + ':' + value);
    }
    return '{' + results.join(',') + '}';
  },

  keys: function(object) {
    var keys = [];
    for (var property in object)
      keys.push(property);
    return keys;
  },

  values: function(object) {
    var values = [];
    for (var property in object)
      values.push(object[property]);
    return values;
  },

  clone: function(object) {
    return Object.extend({}, object);
  }
});

Function.prototype.bind = function() {
  var __method = this, args = $A(arguments), object = args.shift();
  return function() {
    return __method.apply(object, args.concat($A(arguments)));
  }
}

Function.prototype.bindAsEventListener = function(object) {
  var __method = this, args = $A(arguments), object = args.shift();
  return function(event) {
    return __method.apply(object, [(event ||
    window.event)].concat(args).concat($A(arguments)));
  }
}

Object.extend(Number.prototype, {
  toColorPart: function() {
    return this.toPaddedString(2, 16);
  },

  succ: function() {
    return this + 1;
  },

  times: function(iterator) {
    $R(0, this, true).each(iterator);
    return this;
  },

  toPaddedString: function(length, radix) {
    var string = this.toString(radix || 10);
    return '0'.times(length - string.length) + string;
  },

  toJSON: function() {
    return isFinite(this) ? this.toString() : 'null';
  }
});

Date.prototype.toJSON = function() {
  return "" + this.getFullYear() + '-' +
    (this.getMonth() + 1).toPaddedString(2) + '-' +
    this.getDate().toPaddedString(2) + 'T' +
    this.getHours().toPaddedString(2) + ':' +
    this.getMinutes().toPaddedString(2) + ':' +
    this.getSeconds().toPaddedString(2) + 'Z';
};

var Try = {
  these: function() {
    var returnValue;

    for (var i = 0, length = arguments.length; i < length; i++) {
      var lambda = arguments[i];
      try {
        returnValue = lambda();
        break;

```

```

    } catch (e) {}
  }
  return returnValue;
}
}
/*-----*/
var PeriodicalExecuter = Class.create();
PeriodicalExecuter.prototype = {
  initialize: function(callback, frequency) {
    this.callback = callback;
    this.frequency = frequency;
    this.currentlyExecuting = false;

    this.registerCallback();
  },

  registerCallback: function() {
    this.timer = setInterval(this.onTimerEvent.bind(this), this.frequency
* 1000);
  },

  stop: function() {
    if (!this.timer) return;
    clearInterval(this.timer);
    this.timer = null;
  },

  onTimerEvent: function() {
    if (!this.currentlyExecuting) {
      try {
        this.currentlyExecuting = true;
        this.callback(this);
      } finally {
        this.currentlyExecuting = false;
      }
    }
  }
}
Object.extend(String, {
  interpret: function(value) {
    return value == null ? '' : String(value);
  },
  specialChar: {
    '\b': '\b',
    '\t': '\t',
    '\n': '\n',
    '\f': '\f',
    '\r': '\r',
    '\\': '\\\\'
  }
});
Object.extend(String.prototype, {
  gsub: function(pattern, replacement) {
    var result = "", source = this, match;
    replacement =
arguments.callee.prepareReplacement(replacement);

    while (source.length > 0) {
      if (match = source.match(pattern)) {
        result += source.slice(0, match.index);
        result += String.interpret(replacement(match));
        source = source.slice(match.index + match[0].length);
      } else {
        result += source, source = "";
      }
    }
    return result;
  },

  sub: function(pattern, replacement, count) {
    replacement = this.gsub.prepareReplacement(replacement);
    count = count === undefined ? 1 : count;

    return this.gsub(pattern, function(match) {
      if (--count < 0) return match[0];
      return replacement(match);
    });
  },

  scan: function(pattern, iterator) {
    this.gsub(pattern, iterator);
    return this;
  },

  truncate: function(length, truncation) {
    length = length || 30;
    truncation = truncation === undefined ? '...': truncation;
    return this.length > length ?

```

```

    this.slice(0, length - truncation.length) + truncation : this;
  },

  strip: function() {
    return this.replace(/^\s+/, "").replace(/\s+$/, "");
  },

  stripTags: function() {
    return this.replace(/<\/?[>]+>/gi, "");
  },

  stripScripts: function() {
    return this.replace(new RegExp(Prototype.ScriptFragment, 'img'), "");
  },

  extractScripts: function() {
    var matchAll = new RegExp(Prototype.ScriptFragment, 'img');
    var matchOne = new RegExp(Prototype.ScriptFragment, 'im');
    return (this.match(matchAll) || []).map(function(scriptTag) {
      return (scriptTag.match(matchOne) || ['', ''])[1];
    });
  },

  evalScripts: function() {
    return this.extractScripts().map(function(script) { return
eval(script) });
  },

  escapeHTML: function() {
    var self = arguments.callee;
    self.text.data = this;
    return self.div.innerHTML;
  },

  unescapeHTML: function() {
    var div = document.createElement('div');
    div.innerHTML = this.stripTags();
    return div.childNodes[0] ? (div.childNodes.length > 1 ?
$A(div.childNodes).inject("", function(memo, node) { return
memo+node.nodeValue }); :
div.childNodes[0].nodeValue) : "";
  },

  toQueryParams: function(separator) {
    var match = this.strip().match(/(?:[#?]*)(#.*)?$/);
    if (!match) return {};

    return match[1].split(separator || '&').inject({}, function(hash, pair)
{
      if ((pair = pair.split('=')[0]) {
        var key = decodeURIComponent(pair.shift());
        var value = pair.length > 1 ? pair.join('=') : pair[0];
        if (value != undefined) value = decodeURIComponent(value);

        if (key in hash) {
          if (hash[key].constructor != Array) hash[key] = [hash[key]];
          hash[key].push(value);
        }
        else hash[key] = value;
      }
    }
    return hash;
  });
  },

  toArray: function() {
    return this.split("");
  },

  succ: function() {
    return this.slice(0, this.length - 1) +
String.fromCharCode(this.charCodeAt(this.length - 1) + 1);
  },

  times: function(count) {
    var result = "";
    for (var i = 0; i < count; i++) result += this;
    return result;
  },

  camelize: function() {
    var parts = this.split('-'), len = parts.length;
    if (len == 1) return parts[0];

    var camelized = this.charAt(0) == '-'
? parts[0].charAt(0).toUpperCase() + parts[0].substring(1)
: parts[0];

    for (var i = 1; i < len; i++)
camelized += parts[i].charAt(0).toUpperCase() +
parts[i].substring(1);

    return camelized;
  }

```



```

    },
    capitalize: function() {
        return this.charAt(0).toUpperCase() +
            this.substring(1).toLowerCase();
    },
    underscore: function() {
        return this.gsub(/:/, '/').gsub(/([A-Z]+)([A-Z][a-z])/, '# {1}_# {2}').gsub(/([a-z\d])([A-Z])/, '# {1}_# {2}').gsub(/-/,'_').toLowerCase();
    },
    dasherize: function() {
        return this.gsub(/_/,'-');
    },
    inspect: function(useDoubleQuotes) {
        var escapedString = this.gsub(/[\x00-\x1f\\]/, function(match) {
            var character = String.specialChar[match[0]];
            return character ? character : '\u00' +
                match[0].charCodeAt(0).toPaddedString(2, 16);
        });
        if (useDoubleQuotes) return '"' + escapedString.replace(/"/g, '\\"') +
            '"';
        return '"' + escapedString.replace(/'/g, '\\\'') + '"';
    },
    toJSON: function() {
        return this.inspect(true);
    },
    unfilterJSON: function(filter) {
        return this.sub(filter || Prototype.JSONFilter, '#{1}');
    },
    evalJSON: function(sanitize) {
        var json = this.unfilterJSON();
        try {
            if (!sanitize || (/^("[\s\S]*"|\s*$)?$/).test(json))
                return eval('(' + json + ')');
        } catch (e) {}
        throw new SyntaxError('Badly formed JSON string: ' + this.inspect());
    },
    include: function(pattern) {
        return this.indexOf(pattern) > -1;
    },
    startsWith: function(pattern) {
        return this.indexOf(pattern) === 0;
    },
    endsWith: function(pattern) {
        var d = this.length - pattern.length;
        return d >= 0 && this.lastIndexOf(pattern) === d;
    },
    empty: function() {
        return this == "";
    },
    blank: function() {
        return /^s*$/test(this);
    }
});

if (Prototype.Browser.WebKit || Prototype.Browser.IE)
    Object.extend(String.prototype, {
        escapeHTML: function() {
            return
                this.replace(/&/g, '&amp;').replace(/</g, '&lt;').replace(/>/g, '&gt;');
        },
        unescapeHTML: function() {
            return
                this.replace(/&amp;/g, '&').replace(/&lt;/g, '<').replace(/&gt;/g, '>');
        }
    });

String.prototype.gsub.prepareReplacement = function(replacement) {
    if (typeof replacement == 'function') return replacement;
    var template = new Template(replacement);
    return function(match) { return template.evaluate(match) };
}

String.prototype.parseQuery = String.prototype.toQueryParams;

Object.extend(String.prototype.escapeHTML, {
    div: document.createElement('div'),
    text: document.createTextNode("")
});

with (String.prototype.escapeHTML) div.appendChild(text);

var Template = Class.create();
Template.Pattern = /^(^|.|r|\n)(#\{(.*)\})/;
Template.prototype = {
    initialize: function(template, pattern) {
        this.template = template.toString();
        this.pattern = pattern || Template.Pattern;
    },
    evaluate: function(object) {
        return this.template.gsub(this.pattern, function(match) {
            var before = match[1];
            if (before == '\\') return match[2];
            return before + String.interpret(object[match[3]]);
        });
    }
};

var $break = new Object();
var $continue = new Object();

var Enumerable = {
    each: function(iterator) {
        var index = 0;
        try {
            this._each(function(value) {
                iterator(value, index++);
            });
        } catch (e) {
            if (e != $break) throw e;
        }
        return this;
    },
    eachSlice: function(number, iterator) {
        var index = -number, slices = [], array = this.toArray();
        while ((index += number) < array.length)
            slices.push(array.slice(index, index+number));
        return slices.map(iterator);
    },
    all: function(iterator) {
        var result = true;
        this.each(function(value, index) {
            result = result && !(iterator || Prototype.K)(value, index);
            if (!result) throw $break;
        });
        return result;
    },
    any: function(iterator) {
        var result = false;
        this.each(function(value, index) {
            if (result = !(iterator || Prototype.K)(value, index))
                throw $break;
        });
        return result;
    },
    collect: function(iterator) {
        var results = [];
        this.each(function(value, index) {
            results.push((iterator || Prototype.K)(value, index));
        });
        return results;
    },
    detect: function(iterator) {
        var result;
        this.each(function(value, index) {
            if (iterator(value, index)) {
                result = value;
                throw $break;
            }
        });
        return result;
    },
    findAll: function(iterator) {
        var results = [];
        this.each(function(value, index) {
            if (iterator(value, index))
                results.push(value);
        });
        return results;
    },
    grep: function(pattern, iterator) {
        var results = [];
        this.each(function(value, index) {

```

```

    var stringValue = value.toString();
    if (stringValue.match(pattern))
      results.push((iterator || Prototype.K)(value, index));
  })
  return results;
},

include: function(object) {
  var found = false;
  this.each(function(value) {
    if (value == object) {
      found = true;
      throw $break;
    }
  });
  return found;
},

inGroupsOf: function(number, fillWith) {
  fillWith = fillWith === undefined ? null : fillWith;
  return this.eachSlice(number, function(slice) {
    while(slice.length < number) slice.push(fillWith);
    return slice;
  });
},

inject: function(memo, iterator) {
  this.each(function(value, index) {
    memo = iterator(memo, value, index);
  });
  return memo;
},

invoke: function(method) {
  var args = $A(arguments).slice(1);
  return this.map(function(value) {
    return value[method].apply(value, args);
  });
},

max: function(iterator) {
  var result;
  this.each(function(value, index) {
    value = (iterator || Prototype.K)(value, index);
    if (result == undefined || value >= result)
      result = value;
  });
  return result;
},

min: function(iterator) {
  var result;
  this.each(function(value, index) {
    value = (iterator || Prototype.K)(value, index);
    if (result == undefined || value < result)
      result = value;
  });
  return result;
},

partition: function(iterator) {
  var trues = [], falses = [];
  this.each(function(value, index) {
    ((iterator || Prototype.K)(value, index) ?
      trues : falses).push(value);
  });
  return [trues, falses];
},

pluck: function(property) {
  var results = [];
  this.each(function(value, index) {
    results.push(value[property]);
  });
  return results;
},

reject: function(iterator) {
  var results = [];
  this.each(function(value, index) {
    if (!(iterator(value, index)))
      results.push(value);
  });
  return results;
},

sortBy: function(iterator) {
  return this.map(function(value, index) {
    return {value: value, criteria: iterator(value, index)};
  }).sortBy(function(left, right) {
    var a = left.criteria, b = right.criteria;
    return a < b ? -1 : a > b ? 1 : 0;
  });
},

}).pluck('value');
},

toArray: function() {
  return this.map();
},

zip: function() {
  var iterator = Prototype.K, args = $A(arguments);
  if (typeof args.last() == 'function')
    iterator = args.pop();

  var collections = [this].concat(args).map($A);
  return this.map(function(value, index) {
    return iterator(collections.pluck(index));
  });
},

size: function() {
  return this.toArray().length;
},

inspect: function() {
  return '#<Enumerable:' + this.toArray().inspect() + '>';
}
}

Object.extend(Enumerable, {
  map: Enumerable.collect,
  find: Enumerable.detect,
  select: Enumerable.findAll,
  member: Enumerable.include,
  entries: Enumerable.toArray
});
var $A = Array.from = function(iterable) {
  if (!iterable) return [];
  if (iterable.toArray) {
    return iterable.toArray();
  } else {
    var results = [];
    for (var i = 0, length = iterable.length; i < length; i++)
      results.push(iterable[i]);
    return results;
  }
}

if (Prototype.Browser.WebKit) {
  $A = Array.from = function(iterable) {
    if (!iterable) return [];
    if (!(typeof iterable == 'function' && iterable == '[object NodeList]'))
      &&
        iterable.toArray) {
      return iterable.toArray();
    } else {
      var results = [];
      for (var i = 0, length = iterable.length; i < length; i++)
        results.push(iterable[i]);
      return results;
    }
  }
}

Object.extend(Array.prototype, Enumerable);

if (!Array.prototype._reverse)
  Array.prototype._reverse = Array.prototype.reverse;

Object.extend(Array.prototype, {
  _each: function(iterator) {
    for (var i = 0, length = this.length; i < length; i++)
      iterator(this[i]);
  },

  clear: function() {
    this.length = 0;
    return this;
  },

  first: function() {
    return this[0];
  },

  last: function() {
    return this[this.length - 1];
  },

  compact: function() {
    return this.select(function(value) {
      return value != null;
    });
  },
});

```

```

flatten: function() {
  return this.inject([], function(array, value) {
    return array.concat(value && value.constructor == Array ?
      value.flatten() : [value]);
  });
},

without: function() {
  var values = $A(arguments);
  return this.select(function(value) {
    return !values.include(value);
  });
},

indexOf: function(object) {
  for (var i = 0, length = this.length; i < length; i++)
    if (this[i] == object) return i;
  return -1;
},

reverse: function(inline) {
  return (inline !== false ? this : this.toArray())._reverse();
},

reduce: function() {
  return this.length > 1 ? this : this[0];
},

uniq: function(sorted) {
  return this.inject([], function(array, value, index) {
    if (0 == index || (sorted ? array.last() != value : !
      array.include(value)))
      array.push(value);
    return array;
  });
},

clone: function() {
  return [].concat(this);
},

size: function() {
  return this.length;
},

inspect: function() {
  return '[' + this.map(Object.inspect).join(', ') + ']';
},

toJSON: function() {
  var results = [];
  this.each(function(object) {
    var value = Object.toJSON(object);
    if (value !== undefined) results.push(value);
  });
  return '[' + results.join(', ') + ']';
}
});

Array.prototype.toArray = Array.prototype.clone;

function $w(string) {
  string = string.strip();
  return string ? string.split(/\s+/) : [];
}

if (Prototype.Browser.Opera) {
  Array.prototype.concat = function() {
    var array = [];
    for (var i = 0, length = this.length; i < length; i++)
      array.push(this[i]);
    for (var i = 0, length = arguments.length; i < length; i++) {
      if (arguments[i].constructor == Array) {
        for (var j = 0, arrayLength = arguments[i].length; j <
          arrayLength; j++)
          array.push(arguments[i][j]);
        } else {
          array.push(arguments[i]);
        }
      }
    return array;
  }
}

var Hash = function(object) {
  if (object instanceof Hash) this.merge(object);
  else Object.extend(this, object || {});
};

Object.extend(Hash, {
  toQueryString: function(obj) {
    var parts = [];
    parts.add = arguments.callee.addPair;
    this.prototype._each.call(obj, function(pair) {
      if (!pair.key) return;
      var value = pair.value;

      if (value && typeof value == 'object') {
        if (value.constructor == Array) value.each(function(value) {
          parts.add(pair.key, value);
        });
        return;
      }
      parts.add(pair.key, value);
    });

    return parts.join('&');
  },

  toJSON: function(object) {
    var results = [];
    this.prototype._each.call(object, function(pair) {
      var value = Object.toJSON(pair.value);
      if (value !== undefined) results.push(pair.key.toJSON() + ': ' +
        value);
    });
    return '{' + results.join(', ') + '}';
  }
});

Hash.toQueryString.addPair = function(key, value, prefix) {
  key = encodeURIComponent(key);
  if (value === undefined) this.push(key);
  else this.push(key + '=' + (value == null ? '' :
    encodeURIComponent(value)));
}

Object.extend(Hash.prototype, Enumerable);
Object.extend(Hash.prototype, {
  _each: function(iterator) {
    for (var key in this) {
      var value = this[key];
      if (value && value == Hash.prototype[key]) continue;

      var pair = [key, value];
      pair.key = key;
      pair.value = value;
      iterator(pair);
    }
  },

  keys: function() {
    return this.pluck('key');
  },

  values: function() {
    return this.pluck('value');
  },

  merge: function(hash) {
    return $(hash).inject(this, function(mergedHash, pair) {
      mergedHash[pair.key] = pair.value;
      return mergedHash;
    });
  },

  remove: function() {
    var result;
    for (var i = 0, length = arguments.length; i < length; i++) {
      var value = this[arguments[i]];
      if (value !== undefined) {
        if (result === undefined) result = value;
        else {
          if (result.constructor != Array) result = [result];
          result.push(value);
        }
      }
      delete this[arguments[i]];
    }
    return result;
  },

  toQueryString: function() {
    return Hash.toQueryString(this);
  },

  inspect: function() {
    return '#<Hash: {' + this.map(function(pair) {
      return pair.map(Object.inspect).join(': ');
    }).join(', ') + '>';
  },

  toJSON: function() {
    return Hash.toJSON(this);
  }
});

```

```

    }
  });

function $H(object) {
  if (object instanceof Hash) return object;
  return new Hash(object);
};

// Safari iterates over shadowed properties
if (function() {
  var i = 0, Test = function(value) { this.key = value };
  Test.prototype.key = 'foo';
  for (var property in new Test('bar')) i++;
  return i > 1;
}()) Hash.prototype._each = function(iterator) {
  var cache = [];
  for (var key in this) {
    var value = this[key];
    if ((value && value == Hash.prototype[key]) || cache.include(key))
  continue;
  cache.push(key);
  var pair = [key, value];
  pair.key = key;
  pair.value = value;
  iterator(pair);
}
};

ObjectRange = Class.create();
Object.extend(ObjectRange.prototype, Enumerable);
Object.extend(ObjectRange.prototype, {
  initialize: function(start, end, exclusive) {
    this.start = start;
    this.end = end;
    this.exclusive = exclusive;
  },

  _each: function(iterator) {
    var value = this.start;
    while (this.include(value)) {
      iterator(value);
      value = value.succ();
    }
  },

  include: function(value) {
    if (value < this.start)
      return false;
    if (this.exclusive)
      return value < this.end;
    return value <= this.end;
  }
});

var $R = function(start, end, exclusive) {
  return new ObjectRange(start, end, exclusive);
}

var Ajax = {
  getTransport: function() {
    return Try.these(
      function() {return new XMLHttpRequest()},
      function() {return new ActiveXObject('Msxml2.XMLHTTP')},
      function() {return new ActiveXObject('Microsoft.XMLHTTP')}
    ) || false;
  },

  activeRequestCount: 0
}

Ajax.Responders = {
  responders: [],

  _each: function(iterator) {
    this.responders._each(iterator);
  },

  register: function(responder) {
    if (!this.include(responder))
      this.responders.push(responder);
  },

  unregister: function(responder) {
    this.responders = this.responders.without(responder);
  },

  dispatch: function(callback, request, transport, json) {
    this.each(function(responder) {
      if (typeof responder[callback] == 'function') {
        try {
          responder[callback].apply(responder, [request, transport, json]);
        } catch (e) {}
      }
    });
  }
};

Object.extend(Ajax.Responders, Enumerable);

Ajax.Responders.register({
  onCreate: function() {
    Ajax.activeRequestCount++;
  },
  onComplete: function() {
    Ajax.activeRequestCount--;
  }
});

Ajax.Base = function() {};
Ajax.Base.prototype = {
  setOptions: function(options) {
    this.options = {
      method: 'post',
      asynchronous: true,
      contentType: 'application/x-www-form-urlencoded',
      encoding: 'UTF-8',
      parameters: ''
    };
    Object.extend(this.options, options || {});

    this.options.method = this.options.method.toLowerCase();
    if (typeof this.options.parameters == 'string')
      this.options.parameters =
this.options.parameters.toQueryParams();
  }
};

Ajax.Request = Class.create();
Ajax.Request.Events =
['Uninitialized', 'Loading', 'Loaded', 'Interactive', 'Complete'];

Ajax.Request.prototype = Object.extend(new Ajax.Base(), {
  _complete: false,

  initialize: function(url, options) {
    this.transport = Ajax.getTransport();
    this.setOptions(options);
    this.request(url);
  },

  request: function(url) {
    this.url = url;
    this.method = this.options.method;
    var params = Object.clone(this.options.parameters);

    if (!['get', 'post'].include(this.method)) {
      // simulate other verbs over post
      params['_method'] = this.method;
      this.method = 'post';
    }

    this.parameters = params;

    if (params = Hash.toQueryString(params)) {
      // when GET, append parameters to URL
      if (this.method == 'get')
        this.url += (this.url.include('?') ? '&' : '?') + params;
      else if (/Konqueror|Safari|KHTML/.test(navigator.userAgent))
        params += '&_=';
    }

    try {
      if (this.options.onCreate) this.options.onCreate(this.transport);
      Ajax.Responders.dispatch('onCreate', this, this.transport);

      this.transport.open(this.method.toUpperCase(), this.url,
        this.options.asynchronous);

      if (this.options.asynchronous)
        setTimeout(function() { this.respondToReadyState(1) }.bind(this),
          10);

      this.transport.onreadystatechange =
this.onStateChange.bind(this);
      this.setRequestHeader();

      this.body = this.method == 'post' ? (this.options.postBody ||
params) : null;
      this.transport.send(this.body);

      /* Force Firefox to handle ready state 4 for synchronous requests */
      if (!this.options.asynchronous && this.transport.overrideMimeType)
        this.onStateChange();
    }
  }
});

```

```

catch (e) {
    this.dispatchException(e);
}
},

onStateChange: function() {
    var readyState = this.transport.readyState;
    if (readyState > 1 && !((readyState == 4) && this._complete))
        this.respondToReadyState(this.transport.readyState);
},

setRequestHeaders: function() {
    var headers = {
        'X-Requested-With': 'XMLHttpRequest',
        'X-Prototype-Version': Prototype.Version,
        'Accept': 'text/javascript, text/html, application/xml, text/xml, */*'
    };

    if (this.method == 'post') {
        headers['Content-type'] = this.options.contentType +
            (this.options.encoding ? '; charset=' + this.options.encoding : '');

        /* Force "Connection: close" for older Mozilla browsers to work
        * around a bug where XMLHttpRequest sends an incorrect
        * Content-length header. See Mozilla Bugzilla #246651.
        */
        if (this.transport.overrideMimeType &&
            (navigator.userAgent.match(/Gecko\/(\d{4})/) || [0,2005])[1] <
2005)
            headers['Connection'] = 'close';
    }

    // user-defined headers
    if (typeof this.options.requestHeaders == 'object') {
        var extras = this.options.requestHeaders;

        if (typeof extras.push == 'function')
            for (var i = 0, length = extras.length; i < length; i += 2)
                headers[extras[i]] = extras[i+1];
        else
            $H(extras).each(function(pair) { headers[pair.key] =
pair.value });
    }

    for (var name in headers)
        this.transport.setRequestHeader(name, headers[name]);
},

success: function() {
    return !this.transport.status
        || (this.transport.status >= 200 && this.transport.status < 300);
},

respondToReadyState: function(readyState) {
    var state = Ajax.Request.Events[readyState];
    var transport = this.transport, json = this.evalJSON();

    if (state == 'Complete') {
        try {
            this._complete = true;
            (this.options['on' + this.transport.status]
            || this.options['on' + (this.success() ? 'Success' : 'Failure')]
            || Prototype.emptyFunction)(transport, json);
        } catch (e) {
            this.dispatchException(e);
        }

        var contentType = this.getHeader('Content-type');
        if (contentType && contentType.strip()
            match(/^(\text|application)\V(x-)?(java|ecma)script(?:.*?)?$/i))
            this.evalResponse();
    }

    try {
        (this.options['on' + state] || Prototype.emptyFunction)(transport,
json);
        Ajax.Responders.dispatch('on' + state, this, transport, json);
    } catch (e) {
        this.dispatchException(e);
    }

    if (state == 'Complete') {
        // avoid memory leak in MSIE: clean up
        this.transport.onreadystatechange = Prototype.emptyFunction;
    }
},

getHeader: function(name) {
    try {
        return this.transport.getResponseHeader(name);
    } catch (e) { return null }
},

evalJSON: function() {
    try {
        var json = this.getHeader('X-JSON');
        return json ? json.evalJSON() : null;
    } catch (e) { return null }
},

evalResponse: function() {
    try {
        return eval((this.transport.responseText || "").unfilterJSON());
    } catch (e) {
        this.dispatchException(e);
    }
},

dispatchException: function(exception) {
    (this.options.onException || Prototype.emptyFunction)(this,
exception);
    Ajax.Responders.dispatch('onException', this, exception);
}
});

Ajax.Updater = Class.create();

Object.extend(Object.extend(Ajax.Updater.prototype,
Ajax.Request.prototype), {
    initialize: function(container, url, options) {
        this.container = {
            success: (container.success || container),
            failure: (container.failure || (container.success ? null : container))
        }

        this.transport = Ajax.getTransport();
        this.setOptions(options);

        var onComplete = this.options.onComplete ||
Prototype.emptyFunction;
        this.options.onComplete = (function(transport, param) {
            this.updateContent();
            onComplete(transport, param);
        }).bind(this);

        this.request(url);
    },

    updateContent: function() {
        var receiver = this.container[this.success() ? 'success' : 'failure'];
        var response = this.transport.responseText;

        if (!this.options.evalScripts) response = response.stripScripts();

        if (receiver = $(receiver)) {
            if (this.options.insertion)
                new this.options.insertion(receiver, response);
            else
                receiver.update(response);
        }

        if (this.success()) {
            if (this.onComplete)
                setTimeout(this.onComplete.bind(this), 10);
        }
    }
});

Ajax.PeriodicalUpdater = Class.create();
Ajax.PeriodicalUpdater.prototype = Object.extend(new Ajax.Base(), {
    initialize: function(container, url, options) {
        this.setOptions(options);
        this.onComplete = this.options.onComplete;

        this.frequency = (this.options.frequency || 2);
        this.decay = (this.options.decay || 1);

        this.updater = {};
        this.container = container;
        this.url = url;

        this.start();
    },

    start: function() {
        this.options.onComplete = this.updateComplete.bind(this);
        this.onTimerEvent();
    },

    stop: function() {
        this.updater.options.onComplete = undefined;
        clearTimeout(this.timer);
        (this.onComplete || Prototype.emptyFunction).apply(this,
arguments);
    }
});

```

```

    },
    updateComplete: function(request) {
        if (this.options.decay) {
            this.decay = (request.responseText == this.lastText ?
                this.decay * this.options.decay : 1);

            this.lastText = request.responseText;
        }
        this.timer = setTimeout(this.onTimerEvent.bind(this),
            this.decay * this.frequency * 1000);
    },

    onTimerEvent: function() {
        this.updater = new Ajax.Updater(this.container, this.url,
            this.options);
    }
});
function $(element) {
    if (arguments.length > 1) {
        for (var i = 0, elements = [], length = arguments.length; i < length;
            i++)
            elements.push($(arguments[i]));
        return elements;
    }
    if (typeof element == 'string')
        element = document.getElementById(element);
    return Element.extend(element);
}

if (Prototype.BrowserFeatures.XPath) {
    document._getElementsByXPath = function(expression,
        parentElement) {
        var results = [];
        var query = document.evaluate(expression, $(parentElement) ||
            document,
            null, XPathResult.ORDERED_NODE_SNAPSHOT_TYPE, null);
        for (var i = 0, length = query.snapshotLength; i < length; i++)
            results.push(query.snapshotItem(i));
        return results;
    };

    document.getElementsByName = function(className,
        parentElement) {
        var q = "//*[contains(concat(' ', @class, ' '), '" + className + "')]";
        return document._getElementsByXPath(q, parentElement);
    }
} else document.getElementsByName = function(className,
    parentElement) {
    var children = ($(parentElement) ||
        document.body).getElementsByName(className);
    var elements = [];
    for (var i = 0, length = children.length; i < length; i++) {
        child = children[i];
        if (Element.hasClassName(child, className))
            elements.push(Element.extend(child));
    }
    return elements;
};

/*-----*/
if (!window.Element) var Element = {};

Element.extend = function(element) {
    var F = Prototype.BrowserFeatures;
    if (!element || !element.tagName || element.nodeType == 3 ||
        element._extended || F.SpecificElementExtensions || element ==
        window)
        return element;

    var methods = {}, tagName = element.tagName, cache =
        Element.extend.cache,
        T = Element.Methods.ByTag;

    // extend methods for all tags (Safari doesn't need this)
    if (!F.ElementExtensions) {
        Object.extend(methods, Element.Methods);
        Object.extend(methods, Element.Methods.Simulated);
    }

    // extend methods for specific tags
    if (T[tagName]) Object.extend(methods, T[tagName]);

    for (var property in methods) {
        var value = methods[property];
        if (typeof value == 'function' && !(property in element))
            element[property] = cache.findOrStore(value);
    }

    element._extended = Prototype.emptyFunction;

    return element;
};

Element.extend.cache = {
    findOrStore: function(value) {
        return this[value] = this[value] || function() {
            return value.apply(null, [this].concat($A(arguments)));
        }
    }
};

Element.Methods = {
    visible: function(element) {
        return $(element).style.display != 'none';
    },

    toggle: function(element) {
        element = $(element);
        Element[Element.visible(element) ? 'hide' : 'show'](element);
        return element;
    },

    hide: function(element) {
        $(element).style.display = 'none';
        return element;
    },

    show: function(element) {
        $(element).style.display = "";
        return element;
    },

    remove: function(element) {
        element = $(element);
        element.parentNode.removeChild(element);
        return element;
    },

    update: function(element, html) {
        html = typeof html == 'undefined' ? '' : html.toString();
        $(element).innerHTML = html.stripScripts();
        setTimeout(function() {html.evalScripts();}, 10);
        return element;
    },

    replace: function(element, html) {
        element = $(element);
        html = typeof html == 'undefined' ? '' : html.toString();
        if (element.outerHTML) {
            element.outerHTML = html.stripScripts();
        } else {
            var range = element.ownerDocument.createRange();
            range.selectNodeContents(element);
            element.parentNode.replaceChild(
                range.createContextualFragment(html.stripScripts()), element);
        }
        setTimeout(function() {html.evalScripts();}, 10);
        return element;
    },

    inspect: function(element) {
        element = $(element);
        var result = '<' + element.tagName.toLowerCase();
        $H({'id': 'id', 'className': 'class'}).each(function(pair) {
            var property = pair.first(), attribute = pair.last();
            var value = (element[property] || '').toString();
            if (value) result += ' ' + attribute + '=' + value.inspect(true);
        });
        return result + '>';
    },

    recursivelyCollect: function(element, property) {
        element = $(element);
        var elements = [];
        while (element = element[property])
            if (element.nodeType == 1)
                elements.push(Element.extend(element));
        return elements;
    },

    ancestors: function(element) {
        return $(element).recursivelyCollect('parentNode');
    },

    descendants: function(element) {
        return $A($
            (element).getElementsByName('*')).each(Element.extend);
    },

    firstDescendant: function(element) {
        element = $(element).firstChild;
    }
};

```

```

    while (element && element.nodeType !== 1) element =
    element.nextSibling;
    return $(element);
  },

  immediateDescendants: function(element) {
    if (!(element = $(element).firstChild)) return [];
    while (element && element.nodeType !== 1) element =
    element.nextSibling;
    if (element) return [element].concat($(element).nextSiblings());
    return [];
  },

  previousSiblings: function(element) {
    return $(element).recursivelyCollect('previousSibling');
  },

  nextSiblings: function(element) {
    return $(element).recursivelyCollect('nextSibling');
  },

  siblings: function(element) {
    element = $(element);
    return
    element.previousSiblings().reverse().concat(element.nextSiblings());
  },

  match: function(element, selector) {
    if (typeof selector !== 'string')
      selector = new Selector(selector);
    return selector.match($(element));
  },

  up: function(element, expression, index) {
    element = $(element);
    if (arguments.length === 1) return $(element.parentNode);
    var ancestors = element.ancestors();
    return expression ? Selector.findElement(ancestors, expression,
    index) :
    ancestors[index || 0];
  },

  down: function(element, expression, index) {
    element = $(element);
    if (arguments.length === 1) return element.firstChild();
    var descendants = element.descendants();
    return expression ? Selector.findElement(descendants, expression,
    index) :
    descendants[index || 0];
  },

  previous: function(element, expression, index) {
    element = $(element);
    if (arguments.length === 1) return $
    (Selector.handlers.previousElementSibling(element));
    var previousSiblings = element.previousSiblings();
    return expression ? Selector.findElement(previousSiblings,
    expression, index) :
    previousSiblings[index || 0];
  },

  next: function(element, expression, index) {
    element = $(element);
    if (arguments.length === 1) return $
    (Selector.handlers.nextElementSibling(element));
    var nextSiblings = element.nextSiblings();
    return expression ? Selector.findElement(nextSiblings, expression,
    index) :
    nextSiblings[index || 0];
  },

  getElementsBySelector: function() {
    var args = $A(arguments), element = $(args.shift());
    return Selector.findChildElements(element, args);
  },

  getElementsByClassName: function(element, className) {
    return document.getElementsByName(className, element);
  },

  readAttribute: function(element, name) {
    element = $(element);
    if (Prototype.Browser.IE) {
      if (!element.attributes) return null;
      var t = Element._attributeTranslations;
      if (t.values[name]) return t.values[name](element, name);
      if (t.names[name]) name = t.names[name];
      var attribute = element.attributes[name];
      return attribute ? attribute.nodeValue : null;
    }
    return element.getAttribute(name);
  },

  getHeight: function(element) {
    return $(element).getDimensions().height;
  },

  getWidth: function(element) {
    return $(element).getDimensions().width;
  },

  classNames: function(element) {
    return new Element.ClassNames(element);
  },

  hasClassName: function(element, className) {
    if (!(element = $(element))) return;
    var elementClassName = element.className;
    if (elementClassName.length === 0) return false;
    if (elementClassName === className ||
    elementClassName.match(new RegExp("(^|\\s)" + className +
    "\\s|$")))
      return true;
    return false;
  },

  addClassName: function(element, className) {
    if (!(element = $(element))) return;
    Element.classNames(element).add(className);
    return element;
  },

  removeClassName: function(element, className) {
    if (!(element = $(element))) return;
    Element.classNames(element).remove(className);
    return element;
  },

  toggleClassName: function(element, className) {
    if (!(element = $(element))) return;
    Element.classNames(element)[element.hasClassName(className) ?
    'remove' : 'add'](className);
    return element;
  },

  observe: function() {
    Event.observe.apply(Event, arguments);
    return $A(arguments).first();
  },

  stopObserving: function() {
    Event.stopObserving.apply(Event, arguments);
    return $A(arguments).first();
  },

  // removes whitespace-only text node children
  cleanWhitespace: function(element) {
    element = $(element);
    var node = element.firstChild;
    while (node) {
      var nextNode = node.nextSibling;
      if (node.nodeType === 3 && !/S/.test(node.nodeValue))
        element.removeChild(node);
      node = nextNode;
    }
    return element;
  },

  empty: function(element) {
    return $(element).innerHTML.blank();
  },

  descendantOf: function(element, ancestor) {
    element = $(element), ancestor = $(ancestor);
    while (element = element.parentNode)
      if (element === ancestor) return true;
    return false;
  },

  scrollTo: function(element) {
    element = $(element);
    var pos = Position.cumulativeOffset(element);
    window.scrollTo(pos[0], pos[1]);
    return element;
  },

  getStyle: function(element, style) {
    element = $(element);
    style = style === 'float' ? 'cssFloat' : style.camelize();
    var value = element.style[style];
    if (!value) {
      var css = document.defaultView.getComputedStyle(element, null);
      value = css ? css[style] : null;
    }
  }

```

```

    if (style == 'opacity') return value ? parseFloat(value) : 1.0;
    return value == 'auto' ? null : value;
  },
  getOpacity: function(element) {
    return $(element).getStyle('opacity');
  },
  setStyle: function(element, styles, camelized) {
    element = $(element);
    var elementStyle = element.style;

    for (var property in styles)
      if (property == 'opacity') element.setOpacity(styles[property])
      else
        elementStyle[(property == 'float' || property == 'cssFloat') ?
          (elementStyle.styleFloat === undefined ? 'cssFloat' :
            'styleFloat') :
          (camelized ? property : property.camelize())] = styles[property];

    return element;
  },
  setOpacity: function(element, value) {
    element = $(element);
    element.style.opacity = (value == 1 || value === '') ? '' :
      (value < 0.00001) ? 0 : value;
    return element;
  },
  getDimensions: function(element) {
    element = $(element);
    var display = $(element).getStyle('display');
    if (display != 'none' && display != null) // Safari bug
      return {width: element.offsetWidth, height: element.offsetHeight};

    // All *Width and *Height properties give 0 on elements with display
    // none,
    // so enable the element temporarily
    var els = element.style;
    var originalVisibility = els.visibility;
    var originalPosition = els.position;
    var originalDisplay = els.display;
    els.visibility = 'hidden';
    els.position = 'absolute';
    els.display = 'block';
    var originalWidth = element.clientWidth;
    var originalHeight = element.clientHeight;
    els.display = originalDisplay;
    els.position = originalPosition;
    els.visibility = originalVisibility;
    return {width: originalWidth, height: originalHeight};
  },
  makePositioned: function(element) {
    element = $(element);
    var pos = Element.getStyle(element, 'position');
    if (pos == 'static' || !pos) {
      element._madePositioned = true;
      element.style.position = 'relative';
      // Opera returns the offset relative to the positioning context, when
      // element is position relative but top and left have not been
      // defined
      if (window.opera) {
        element.style.top = 0;
        element.style.left = 0;
      }
    }
    return element;
  },
  undoPositioned: function(element) {
    element = $(element);
    if (element._madePositioned) {
      element._madePositioned = undefined;
      element.style.position =
        element.style.top =
        element.style.left =
        element.style.bottom =
        element.style.right = '';
    }
    return element;
  },
  makeClipping: function(element) {
    element = $(element);
    if (element._overflow) return element;
    element._overflow = element.style.overflow || 'auto';
    if ((Element.getStyle(element, 'overflow') || 'visible') != 'hidden')
      element.style.overflow = 'hidden';
    return element;
  },
  },
  undoClipping: function(element) {
    element = $(element);
    if (!element._overflow) return element;
    element.style.overflow = element._overflow == 'auto' ? '' :
      element._overflow;
    element._overflow = null;
    return element;
  }
};

Object.extend(Element.Methods, {
  childOf: Element.Methods.descendantOf,
  childElements: Element.Methods.immediateDescendants
});

if (Prototype.Browser.Opera) {
  Element.Methods._getStyle = Element.Methods.getStyle;
  Element.Methods.getStyle = function(element, style) {
    switch(style) {
      case 'left':
      case 'top':
      case 'right':
      case 'bottom':
        if (Element._getStyle(element, 'position') == 'static') return null;
        default: return Element._getStyle(element, style);
    }
  };
} else if (Prototype.Browser.IE) {
  Element.Methods.getStyle = function(element, style) {
    element = $(element);
    style = (style == 'float' || style == 'cssFloat') ? 'styleFloat' :
      style.camelize();
    var value = element.style[style];
    if (!value && element.currentStyle) value =
      element.currentStyle[style];

    if (style == 'opacity') {
      if (value = (element.getStyle('filter') || '').match(/alpha
        (opacity=.*))/))
        if (value[1]) return parseFloat(value[1]) / 100;
      return 1.0;
    }

    if (value == 'auto') {
      if ((style == 'width' || style == 'height') &&
        (element.getStyle('display') != 'none'))
        return element['offset'+style.capitalize()] + 'px';
      return null;
    }
    return value;
  };

  Element.Methods.setOpacity = function(element, value) {
    element = $(element);
    var filter = element.getStyle('filter'), style = element.style;
    if (value == 1 || value === '') {
      style.filter = filter.replace(/alpha(?:\s)?\s*/gi, '');
      return element;
    } else if (value < 0.00001) value = 0;
    style.filter = filter.replace(/alpha(?:\s)?\s*/gi, '') +
      'alpha(opacity=' + (value * 100) + ')';
    return element;
  };

  // IE is missing .innerHTML support for TABLE-related elements
  Element.Methods.update = function(element, html) {
    element = $(element);
    html = typeof html == 'undefined' ? '' : html.toString();
    var tagName = element.tagName.toUpperCase();
    if (['THEAD', 'TBODY', 'TR', 'TD'].include(tagName)) {
      var div = document.createElement('div');
      switch (tagName) {
        case 'THEAD':
        case 'TBODY':
          div.innerHTML = '<table><tbody>' + html.stripScripts() +
            '</tbody></table>';
          depth = 2;
          break;
        case 'TR':
          div.innerHTML = '<table><tbody><tr>' + html.stripScripts() +
            '</tr></tbody></table>';
          depth = 3;
          break;
        case 'TD':
          div.innerHTML = '<table><tbody><tr><td>' +
            html.stripScripts() + '</td></tr></tbody></table>';
          depth = 4;
        }
    }
  }
}

```



```

    $A(element.childNodes).each(function(node)
{ element.removeChild(node) });
depth.times(function() { div = div.firstChild });
$A(div.childNodes).each(function(node)
{ element.appendChild(node) });
} else {
    element.innerHTML = html.stripScripts();
}
setTimeout(function() { html.evalScripts() }, 10);
return element;
}
}
else if (Prototype.Browser.Gecko) {
    Element.Methods.setOpacity = function(element, value) {
        element = $(element);
        element.style.opacity = (value == 1) ? 0.999999 :
            (value == '') ? '' : (value < 0.00001) ? 0 : value;
        return element;
    };
}

Element._attributeTranslations = {
    names: {
        colspan: "colSpan",
        rowspan: "rowSpan",
        valign: "vAlign",
        datetime: "dateTIme",
        accesskey: "accessKey",
        tabindex: "tabIndex",
        enctype: "encType",
        maxlength: "maxLength",
        readonly: "readOnly",
        longdesc: "longDesc"
    },
    values: {
        _getAttr: function(element, attribute) {
            return element.getAttribute(attribute, 2);
        },
        _flag: function(element, attribute) {
            return $(element).hasAttribute(attribute) ? attribute : null;
        },
        style: function(element) {
            return element.style.cssText.toLowerCase();
        },
        title: function(element) {
            var node = element.getAttributeNode('title');
            return node.specified ? node.nodeValue : null;
        }
    }
};

(function() {
    Object.extend(this, {
        href: this._getAttr,
        src: this._getAttr,
        disabled: this._flag,
        checked: this._flag,
        readonly: this._flag,
        multiple: this._flag
    });
}).call(Element._attributeTranslations.values);

Element.Methods.Simulated = {
    hasAttribute: function(element, attribute) {
        var t = Element._attributeTranslations, node;
        attribute = t.names[attribute] || attribute;
        node = $(element).getAttributeNode(attribute);
        return node && node.specified;
    }
};

Element.Methods.ByTag = {};

Object.extend(Element, Element.Methods);

if (!Prototype.BrowserFeatures.ElementExtensions &&
document.createElement('div').__proto__) {
    window.HTMLDivElement = {};
    window.HTMLDivElement.prototype =
document.createElement('div').__proto__;
    Prototype.BrowserFeatures.ElementExtensions = true;
}

Element.hasAttribute = function(element, attribute) {
    if (element.hasAttribute) return element.hasAttribute(attribute);
    return Element.Methods.Simulated.hasAttribute(element, attribute);
};

Element.addMethods = function(methods) {
    var F = Prototype.BrowserFeatures, T = Element.Methods.ByTag;
    if (arguments.length == 2) {
        var tagName = methods;
        methods = arguments[1];
    }

    if (!tagName) Object.extend(Element.Methods, methods || {});
    else {
        if (tagName.constructor == Array) tagName.each(extend);
        else extend(tagName);
    }

    function extend(tagName) {
        tagName = tagName.toUpperCase();
        if (!Element.Methods.ByTag[tagName])
            Element.Methods.ByTag[tagName] = {};
        Object.extend(Element.Methods.ByTag[tagName], methods);
    }

    function copy(methods, destination, onlyIfAbsent) {
        onlyIfAbsent = onlyIfAbsent || false;
        var cache = Element.extend.cache;
        for (var property in methods) {
            var value = methods[property];
            if (!onlyIfAbsent || !(property in destination))
                destination[property] = cache.findOrCreate(value);
        }
    }

    function findDOMClass(tagName) {
        var klass;
        var trans = {
            "OPTGROUP": "OptGroup", "TEXTAREA": "TextArea", "P":
"Paragraph",
            "FIELDSET": "FieldSet", "UL": "ULList", "OL": "OLList", "DL": "DList",
            "DIR": "Directory", "H1": "Heading", "H2": "Heading", "H3":
"Heading",
            "H4": "Heading", "H5": "Heading", "H6": "Heading", "Q": "Quote",
            "INS": "Mod", "DEL": "Mod", "A": "Anchor", "IMG": "Image",
            "CAPTION":
"TableCaption", "COL": "TableCol", "COLGROUP": "TableCol",
            "THEAD":
"TableSection", "TFooter": "TableSection", "TBody": "TableSection",
            "TR":
"TableRow", "TH": "TableCell", "TD": "TableCell", "FRAMESet":
"FrameSet", "IFRAME": "IFrame"
        };
        if (trans[tagName]) klass = 'HTML' + trans[tagName] + 'Element';
        if (window[klass]) return window[klass];
        klass = 'HTML' + tagName + 'Element';
        if (window[klass]) return window[klass];
        klass = 'HTML' + tagName.capitalize() + 'Element';
        if (window[klass]) return window[klass];

        window[klass] = {};
        window[klass].prototype =
document.createElement(tagName).__proto__;
        return window[klass];
    }

    if (F.ElementExtensions) {
        copy(Element.Methods, HTMLDivElement.prototype, true);
    }

    if (F.SpecificElementExtensions) {
        for (var tag in Element.Methods.ByTag) {
            var klass = findDOMClass(tag);
            if (typeof klass == "undefined") continue;
            copy(T[tag], klass.prototype);
        }
    }

    Object.extend(Element, Element.Methods);
    delete Element.ByTag;

    var Toggle = { display: Element.toggle };
    /*-----*/
    Abstract.Insertion = function(adjacency) {
        this.adjacency = adjacency;
    }
    Abstract.Insertion.prototype = {
        initialize: function(element, content) {
            this.element = $(element);
            this.content = content.stripScripts();
        }
        if (this.adjacency && this.element.insertAdjacentHTML) {
            try {
                this.element.insertAdjacentHTML(this.adjacency, this.content);
            } catch (e) {
                var tagName = this.element.tagName.toUpperCase();
            }
        }
    }
}

```

```

        if (!['TBODY', 'TR'].include(tagName)) {
            this.insertContent(this.contentFromAnonymousTable());
        } else {
            throw e;
        }
    } else {
        this.range = this.element.ownerDocument.createRange();
        if (this.initializeRange) this.initializeRange();
        this.insertContent([this.range.createContextualFragment(this.conte
nt)]);
    }

    setTimeout(function() {content.evalScripts()}, 10);
},

contentFromAnonymousTable: function() {
    var div = document.createElement('div');
    div.innerHTML = '<table><tbody>' + this.content +
'</tbody></table>';
    return $(div.childNodes[0].childNodes[0].childNodes);
}
}

var Insertion = new Object();

Insertion.Before = Class.create();
Insertion.Before.prototype = Object.extend(new
Abstract.Insertion('beforeBegin'), {
    initializeRange: function() {
        this.range.setStartBefore(this.element);
    },

    insertContent: function(fragments) {
        fragments.each((function(fragment) {
            this.element.parentNode.insertBefore(fragment, this.element);
        })).bind(this);
    }
});

Insertion.Top = Class.create();
Insertion.Top.prototype = Object.extend(new
Abstract.Insertion('afterBegin'), {
    initializeRange: function() {
        this.range.selectNodeContents(this.element);
        this.range.collapse(true);
    },

    insertContent: function(fragments) {
        fragments.reverse(false).each((function(fragment) {
            this.element.insertBefore(fragment, this.element.firstChild);
        })).bind(this);
    }
});

Insertion.Bottom = Class.create();
Insertion.Bottom.prototype = Object.extend(new
Abstract.Insertion('beforeEnd'), {
    initializeRange: function() {
        this.range.selectNodeContents(this.element);
        this.range.collapse(this.element);
    },

    insertContent: function(fragments) {
        fragments.each((function(fragment) {
            this.element.appendChild(fragment);
        })).bind(this);
    }
});

Insertion.After = Class.create();
Insertion.After.prototype = Object.extend(new
Abstract.Insertion('afterEnd'), {
    initializeRange: function() {
        this.range.setStartAfter(this.element);
    },

    insertContent: function(fragments) {
        fragments.each((function(fragment) {
            this.element.parentNode.insertBefore(fragment,
            this.element.nextSibling);
        })).bind(this);
    }
});

/*-----*/
Element.ClassNames = Class.create();
Element.ClassNames.prototype = {
    initialize: function(element) {
        this.element = $(element);
    },

    _each: function(iterator) {
        this.element.className.split(/\s+/).select(function(name) {
            return name.length > 0;
        })._each(iterator);
    },

    set: function(className) {
        this.element.className = className;
    },

    add: function(classNameToAdd) {
        if (this.include(classNameToAdd)) return;
        this.set($A(this).concat(classNameToAdd).join(' '));
    },

    remove: function(classNameToRemove) {
        if (!this.include(classNameToRemove)) return;
        this.set($A(this).without(classNameToRemove).join(' '));
    },

    toString: function() {
        return $A(this).join(' ');
    }
};

Object.extend(Element.ClassNames.prototype, Enumerable);
/* Portions of the Selector class are derived from Jack Slocum's
DomQuery,
* part of YUI-Ext version 0.40, distributed under the terms of an MIT-
style
* license. Please see http://www.yui-ext.com/ for more information. */

var Selector = Class.create();

Selector.prototype = {
    initialize: function(expression) {
        this.expression = expression.strip();
        this.compileMatcher();
    },

    compileMatcher: function() {
        // Selectors with namespaced attributes can't use the XPath version
        if (Prototype.BrowserFeatures.XPath && !(/[w-]??:/).test(this.expression))
            return this.compileXPathMatcher();

        var e = this.expression, ps = Selector.patterns, h =
Selector.handlers,
            c = Selector.criteria, le, p, m;

        if (Selector._cache[e]) {
            this.matcher = Selector._cache[e]; return;
        }
        this.matcher = ["this.matcher = function(root) {" +
            "var r = root, h = Selector.handlers, c = false, n;"];

        while (e && le != e && (/\/\//).test(e)) {
            le = e;
            for (var i in ps) {
                p = ps[i];
                if (m = e.match(p)) {
                    this.matcher.push(typeof c[i] == 'function' ? c[i](m) :
                    new Template(c[i]).evaluate(m));
                    e = e.replace(m[0], "");
                    break;
                }
            }
        }

        this.matcher.push("return h.unique(n);\n}");
        eval(this.matcher.join("\n"));
        Selector._cache[this.expression] = this.matcher;
    },

    compileXPathMatcher: function() {
        var e = this.expression, ps = Selector.patterns,
            x = Selector.xpath, le, m;

        if (Selector._cache[e]) {
            this.xpath = Selector._cache[e]; return;
        }

        this.matcher = ['./'];
        while (e && le != e && (/\/\//).test(e)) {
            le = e;
            for (var i in ps) {
                if (m = e.match(ps[i])) {
                    this.matcher.push(typeof x[i] == 'function' ? x[i](m) :
                    new Template(x[i]).evaluate(m));
                    e = e.replace(m[0], "");
                    break;
                }
            }
        }
    }
};

```

```

    }
  }
}

this.xpath = this.matcher.join("");
Selector._cache[this.expression] = this.xpath;
},

findElements: function(root) {
  root = root || document;
  if (this.xpath) return document._getElementsByXPath(this.xpath,
root);
  return this.matcher(root);
},

match: function(element) {
  return this.findElements(document).include(element);
},

toString: function() {
  return this.expression;
},

inspect: function() {
  return "#<Selector: " + this.expression.inspect() + ">";
}
};

Object.extend(Selector, {
  _cache: {},

  xpath: {
    descendant: "/*",
    child: "/*",
    adjacent: "/following-sibling::*[1]",
    laterSibling: "/following-sibling::*",
    tagName: function(m) {
      if (m[1] == '*') return '';
      return "[local-name()=' " + m[1].toLowerCase() +
        "' or local-name()=' " + m[1].toUpperCase() + "'";
    },
    className: "[contains(concat(' ', @class, ' '), ' #{1} ')]",
    id: "[@id='#{1}']",
    attrPresence: "[@#{1}]",
    attr: function(m) {
      m[3] = m[5] || m[6];
      return new Template(Selector.xpath.operators[m[2]]).evaluate(m);
    },
    pseudo: function(m) {
      var h = Selector.xpath.pseudos[m[1]];
      if (!h) return '';
      if (typeof h === 'function') return h(m);
      return new Template(Selector.xpath.pseudos[m[1]]).evaluate(m);
    },
    operators: {
      '=': "[@#{1}='#{3}']",
      '!': "[@#{1}!='#{3}']",
      '^=': "[starts-with(@#{1}, ' #{3} ')]",
      '$=': "[substring(@#{1}, (string-length(@#{1}) - string-
length(' #{3} ' + 1))='#{3} ')]",
      '*=': "[contains(@#{1}, ' #{3} ')]",
      '~=': "[contains(concat(' ', @#{1}, ' '), ' #{3} ')]",
      '|=': "[contains(concat(' ', @#{1}, '-'), '-#{3}-')]";
    },
    pseudos: {
      'first-child': '[not(preceding-sibling::*)]',
      'last-child': '[not(following-sibling::*)]',
      'only-child': '[not(preceding-sibling::* or following-sibling::*)]',
      'empty': "[count(*) = 0 and (count(text()) = 0 or
translate(text(), '\t\n', '') = '')]",
      'checked': "[@checked]",
      'disabled': "[@disabled]",
      'enabled': "[not(@disabled)]",
      'not': function(m) {
        var e = m[6], p = Selector.patterns,
            x = Selector.xpath, ie, m, v;

        var exclusion = [];
        while (e && ie != e && (/S/).test(e)) {
          ie = e;
          for (var i in p) {
            if (m = e.match(p[i])) {
              v = typeof x[i] == 'function' ? x[i](m) : new
Template(x[i]).evaluate(m);
              exclusion.push("(" + v.substring(1, v.length - 1) + ")");
              e = e.replace(m[0], "");
              break;
            }
          }
        }
        return "[not(" + exclusion.join(" and ") + ")]";
      },

      'nth-child': function(m) {
        return Selector.xpath.pseudos.nth("(count(/preceding-sibling::*
+ 1) ", m);
      },
      'nth-last-child': function(m) {
        return Selector.xpath.pseudos.nth("(count(/following-sibling::* +
1) ", m);
      },
      'nth-of-type': function(m) {
        return Selector.xpath.pseudos.nth("position() ", m);
      },
      'nth-last-of-type': function(m) {
        return Selector.xpath.pseudos.nth("(last() + 1 - position() ", m);
      },
      'first-of-type': function(m) {
        m[6] = "1"; return Selector.xpath.pseudos['nth-of-type'](m);
      },
      'last-of-type': function(m) {
        m[6] = "1"; return Selector.xpath.pseudos['nth-last-of-type'](m);
      },
      'only-of-type': function(m) {
        var p = Selector.xpath.pseudos; return p['first-of-type'](m) +
p['last-of-type'](m);
      },
      nth: function(fragment, m) {
        var mm, formula = m[6], predicate;
        if (formula == 'even') formula = '2n+0';
        if (formula == 'odd') formula = '2n+1';
        if (mm = formula.match(/^(d+)$/) // digit only
            return '!' + fragment + "=" + mm[1] + '!';
        if (mm = formula.match(/^(?d*)?n((+)(d+)?)/) { // an+b
            if (mm[1] == "-") mm[1] = -1;
            var a = mm[1] ? Number(mm[1]) : 1;
            var b = mm[2] ? Number(mm[2]) : 0;
            predicate = "(((#{fragment} - #{b}) mod #{a} = 0) and " +
              "((#{fragment} - #{b}) div #{a} >= 0))";
            return new Template(predicate).evaluate({
              fragment: fragment, a: a, b: b });
          }
        }
      },

      criteria: {
        tagName: 'n = h.tagName(n, r, " #{1} ", c); c = false;',
        className: 'n = h.className(n, r, " #{1} ", c); c = false;',
        id: 'n = h.id(n, r, " #{1} ", c); c = false;',
        attrPresence: 'n = h.attrPresence(n, r, " #{1} "); c = false;',
        attr: function(m) {
          m[3] = (m[5] || m[6]);
          return new Template('n = h.attr(n, r, " #{1} ", " #{3} ", " #{2} "); c =
false;').evaluate(m);
        },
        pseudo: function(m) {
          if (m[6]) m[6] = m[6].replace(/"/g, "\\");
          return new Template('n = h.pseudo(n, " #{1} ", " #{6} ", r, c); c =
false;').evaluate(m);
        },
        descendant: 'c = "descendant";',
        child: 'c = "child";',
        adjacent: 'c = "adjacent";',
        laterSibling: 'c = "laterSibling";'
      },

      patterns: {
        // combinators must be listed first
        // (and descendant needs to be last combinator)
        laterSibling: /^~\s*\s*/,
        child: /^>\s*\s*/,
        adjacent: /^>|\s*\s*/,
        descendant: /^\/\s*/

        // selectors follow
        tagName: /^s*(?![w-]+)(\b|$)?/,
        id: /^#([w-]+)(\b|$)/,
        className: /^\.([w-]+)(\b|$)/,
        pseudo: /^:((first|last|nth|nth-last|only)(-child|-of-type)|empty|
checked|(en|dis)abled|not(\(\([^?]+\)\)?(\b|$|s)/,
        attrPresence: /^\[([w-]+)\]/,
        attr: /\(\([\?:(\w-]*\)?(\w-|+)|s*(?:\{!\$*\~\}\)=)\s*((["'])\{^\}\}\?)*\)/
        ([^"]|[""]*)\}\}\)?\}\}/
      },

      handlers: {
        // UTILITY FUNCTIONS
        // joins two collections
        concat: function(a, b) {
          for (var i = 0, node; node = b[i]; i++)
            a.push(node);
          return a;
        },
      },
    },
  },
});

```

```

// marks an array of nodes for counting
mark: function(nodes) {
  for (var i = 0, node; node = nodes[i]; i++)
    node._counted = true;
  return nodes;
},

unmark: function(nodes) {
  for (var i = 0, node; node = nodes[i]; i++)
    node._counted = undefined;
  return nodes;
},

// mark each child node with its position (for nth calls)
// "ofType" flag indicates whether we're indexing for nth-of-type
// rather than nth-child
index: function(parentNode, reverse, ofType) {
  parentNode._counted = true;
  if (reverse) {
    for (var nodes = parentNode.childNodes, i = nodes.length - 1, j =
1; i >= 0; i--) {
      node = nodes[i];
      if (node.nodeType == 1 && (!ofType || node._counted))
        node.nodeIndex = j++;
    }
  } else {
    for (var i = 0, j = 1, nodes = parentNode.childNodes; node =
nodes[i]; i++)
      if (node.nodeType == 1 && (!ofType || node._counted))
        node.nodeIndex = j++;
  }
},

// filters out duplicates and extends all nodes
unique: function(nodes) {
  if (nodes.length == 0) return nodes;
  var results = [], n;
  for (var i = 0, l = nodes.length; i < l; i++)
    if (!(n = nodes[i])._counted) {
      n._counted = true;
      results.push(Element.extend(n));
    }
  return Selector.handlers.unmark(results);
},

// COMBINATOR FUNCTIONS
descendant: function(nodes) {
  var h = Selector.handlers;
  for (var i = 0, results = [], node; node = nodes[i]; i++)
    h.concat(results, node.getElementsByTagName("*"));
  return results;
},

child: function(nodes) {
  var h = Selector.handlers;
  for (var i = 0, results = [], node; node = nodes[i]; i++) {
    for (var j = 0, children = [], child; child = node.childNodes[j]; j++)
      if (child.nodeType == 1 && child.tagName != '!')
        results.push(child);
  }
  return results;
},

adjacent: function(nodes) {
  for (var i = 0, results = [], node; node = nodes[i]; i++) {
    var next = this.nextElementSibling(node);
    if (next) results.push(next);
  }
  return results;
},

laterSibling: function(nodes) {
  var h = Selector.handlers;
  for (var i = 0, results = [], node; node = nodes[i]; i++)
    h.concat(results, Element.nextSiblings(node));
  return results;
},

nextElementSibling: function(node) {
  while (node = node.nextElementSibling)
    if (node.nodeType == 1) return node;
  return null;
},

previousElementSibling: function(node) {
  while (node = node.previousElementSibling)
    if (node.nodeType == 1) return node;
  return null;
},

// TOKEN FUNCTIONS
tagName: function(nodes, root, tagName, combinator) {
  tagName = tagName.toUpperCase();
  var results = [], h = Selector.handlers;
  if (nodes) {
    if (combinator) {
      // fastlane for ordinary descendant combinators
      if (combinator == "descendant") {
        for (var i = 0, node; node = nodes[i]; i++)
          h.concat(results, node.getElementsByTagName(tagName));
        return results;
      } else nodes = this[combinator](nodes);
      if (tagName == "*") return nodes;
    }
    for (var i = 0, node; node = nodes[i]; i++)
      if (node.tagName.toUpperCase() == tagName)
        results.push(node);
    } else return root.getElementsByTagName(tagName);
  },

id: function(nodes, root, id, combinator) {
  var targetNode = $(id), h = Selector.handlers;
  if (!nodes && root == document) return targetNode ?
[targetNode] : [];
  if (nodes) {
    if (combinator) {
      if (combinator == 'child') {
        for (var i = 0, node; node = nodes[i]; i++)
          if (targetNode.parentNode == node) return [targetNode];
      } else if (combinator == 'descendant') {
        for (var i = 0, node; node = nodes[i]; i++)
          if (Element.descendantOf(targetNode, node)) return
[targetNode];
      } else if (combinator == 'adjacent') {
        for (var i = 0, node; node = nodes[i]; i++)
          if (Selector.handlers.previousElementSibling(targetNode) ==
node)
            return [targetNode];
      } else nodes = h[combinator](nodes);
    }
    for (var i = 0, node; node = nodes[i]; i++)
      if (node == targetNode) return [targetNode];
    }
  return (targetNode && Element.descendantOf(targetNode, root)) ?
[targetNode] : [];
  },

className: function(nodes, root, className, combinator) {
  if (nodes && combinator) nodes = this[combinator](nodes);
  return Selector.handlers.byClassName(nodes, root, className);
  },

byClassName: function(nodes, root, className) {
  if (!nodes) nodes = Selector.handlers.descendant([root]);
  var needle = ' ' + className + ' ';
  for (var i = 0, results = [], node, nodeClassName; node = nodes[i];
i++) {
    nodeClassName = node.className;
    if (nodeClassName.length == 0) continue;
    if (nodeClassName == className || (' ' + nodeClassName + '
').include(needle))
      results.push(node);
  }
  return results;
  },

attrPresence: function(nodes, root, attr) {
  var results = [];
  for (var i = 0, node; node = nodes[i]; i++)
    if (Element.hasAttribute(node, attr)) results.push(node);
  return results;
  },

attr: function(nodes, root, attr, value, operator) {
  if (!nodes) nodes = root.getElementsByTagName("*");
  var handler = Selector.operators[operator], results = [];
  for (var i = 0, node; node = nodes[i]; i++) {
    var nodeValue = Element.readAttribute(node, attr);
    if (nodeValue === null) continue;
    if (handler(nodeValue, value)) results.push(node);
  }
  return results;
  },

pseudo: function(nodes, name, value, root, combinator) {
  if (nodes && combinator) nodes = this[combinator](nodes);
  if (!nodes) nodes = root.getElementsByTagName("*");
  return Selector.pseudos[name](nodes, value, root);
  },

pseudos: {

```

```

'first-child': function(nodes, value, root) {
  for (var i = 0, results = [], node; node = nodes[i]; i++) {
    if (Selector.handlers.previousElementSibling(node)) continue;
    results.push(node);
  }
  return results;
},
'last-child': function(nodes, value, root) {
  for (var i = 0, results = [], node; node = nodes[i]; i++) {
    if (Selector.handlers.nextElementSibling(node)) continue;
    results.push(node);
  }
  return results;
},
'only-child': function(nodes, value, root) {
  var h = Selector.handlers;
  for (var i = 0, results = [], node; node = nodes[i]; i++)
    if (!h.previousElementSibling(node) && !
h.nextElementSibling(node))
      results.push(node);
  return results;
},
'nth-child': function(nodes, formula, root) {
  return Selector.pseudos.nth(nodes, formula, root);
},
'nth-last-child': function(nodes, formula, root) {
  return Selector.pseudos.nth(nodes, formula, root, true);
},
'nth-of-type': function(nodes, formula, root) {
  return Selector.pseudos.nth(nodes, formula, root, false, true);
},
'nth-last-of-type': function(nodes, formula, root) {
  return Selector.pseudos.nth(nodes, formula, root, true, true);
},
'first-of-type': function(nodes, formula, root) {
  return Selector.pseudos.nth(nodes, "1", root, false, true);
},
'last-of-type': function(nodes, formula, root) {
  return Selector.pseudos.nth(nodes, "1", root, true, true);
},
'only-of-type': function(nodes, formula, root) {
  var p = Selector.pseudos;
  return p['last-of-type'](p['first-of-type'](nodes, formula, root),
formula, root);
},
// handles the an+b logic
getIndices: function(a, b, total) {
  if (a == 0) return b > 0 ? [b] : [];
  return $R(1, total).inject([], function(memo, i) {
    if (0 == (i - b) % a && (i - b) / a >= 0) memo.push(i);
    return memo;
  });
},
// handles nth(-last)-child, nth(-last)-of-type, and (first|last)-of-type
nth: function(nodes, formula, root, reverse, ofType) {
  if (nodes.length == 0) return [];
  if (formula == 'even') formula = '2n+0';
  if (formula == 'odd') formula = '2n+1';
  var h = Selector.handlers, results = [], indexed = [], m;
  h.mark(nodes);
  for (var i = 0, node; node = nodes[i]; i++) {
    if (!node.parentNode._counted) {
      h.index(node.parentNode, reverse, ofType);
      indexed.push(node.parentNode);
    }
  }
  if (formula.match(/^\^d+$/)) { // just a number
    formula = Number(formula);
    for (var i = 0, node; node = nodes[i]; i++)
      if (node.nodeIndex == formula) results.push(node);
  } else if (m = formula.match(/^(?:d*)?n(?:[+-])?(d+)?/)) { // an+b
    if (m[1] == "-") m[1] = -1;
    var a = m[1] ? Number(m[1]) : 1;
    var b = m[2] ? Number(m[2]) : 0;
    var indices = Selector.pseudos.getIndices(a, b, nodes.length);
    for (var i = 0, node, l = indices.length; node = nodes[i]; i++) {
      for (var j = 0; j < l; j++)
        if (node.nodeIndex == indices[j]) results.push(node);
    }
  }
  h.unmark(nodes);
  h.unmark(indexed);
  return results;
},
'empty': function(nodes, value, root) {
  for (var i = 0, results = [], node; node = nodes[i]; i++) {
    // IE treats comments as element nodes
    if (node.tagName == '!' || (node.firstChild && !
node.innerHTML.match(/^\s*$/))) continue;
    results.push(node);
  }
  return results;
},
'not': function(nodes, selector, root) {
  var h = Selector.handlers, selectorType, m;
  var exclusions = new Selector(selector).findElements(root);
  h.mark(exclusions);
  for (var i = 0, results = [], node; node = nodes[i]; i++)
    if (!node._counted) results.push(node);
  h.unmark(exclusions);
  return results;
},
'enabled': function(nodes, value, root) {
  for (var i = 0, results = [], node; node = nodes[i]; i++)
    if (!node.disabled) results.push(node);
  return results;
},
'disabled': function(nodes, value, root) {
  for (var i = 0, results = [], node; node = nodes[i]; i++)
    if (node.disabled) results.push(node);
  return results;
},
'checked': function(nodes, value, root) {
  for (var i = 0, results = [], node; node = nodes[i]; i++)
    if (node.checked) results.push(node);
  return results;
},
operators: {
  '=': function(nv, v) { return nv == v; },
  '!=': function(nv, v) { return nv != v; },
  '^=': function(nv, v) { return nv.startsWith(v); },
  '$=': function(nv, v) { return nv.endsWith(v); },
  '*=': function(nv, v) { return nv.include(v); },
  '~=': function(nv, v) { return (' ' + nv + ' ').include(' ' + v + ' '); },
  '|=': function(nv, v) { return ('-' + nv.toUpperCase() + '-').include('-' +
v.toUpperCase() + '-'); }
},
matchElements: function(elements, expression) {
  var matches = new Selector(expression).findElements(), h =
Selector.handlers;
  h.mark(matches);
  for (var i = 0, results = [], element; element = elements[i]; i++)
    if (element._counted) results.push(element);
  h.unmark(matches);
  return results;
},
findElement: function(elements, expression, index) {
  if (typeof expression == 'number') {
    index = expression; expression = false;
  }
  return Selector.matchElements(elements, expression || '*')[index ||
0];
},
findChildElements: function(element, expressions) {
  var exprs = expressions.join(', '), expressions = [];
  exprs.scan(/(((\w#?:~>+()\|s-|+|\*|\.|\?|\|)\s*(,|$)|/), function(m) {
    expressions.push(m[1].strip());
  });
  var results = [], h = Selector.handlers;
  for (var i = 0, l = expressions.length, selector; i < l; i++) {
    selector = new Selector(expressions[i].strip());
    h.concat(results, selector.findElements(element));
  }
  return (l > 1) ? h.unique(results) : results;
},
function $$() {
  return Selector.findChildElements(document, $A(arguments));
}
var Form = {
  reset: function(form) {
    $(form).reset();
    return form;
  },
  serializeElements: function(elements, getHash) {
    var data = elements.inject({}, function(result, element) {
      if (!element.disabled && element.name) {
        var key = element.name, value = $(element).getValue();
        if (value != null) {
          if (key in result) {

```

```

        if (result[key].constructor !== Array) result[key] = [result[key]];
        result[key].push(value);
    }
    } else result[key] = value;
    }
    }
    return result;
});

return getHash ? data : Hash.toQueryString(data);
}
};

Form.Methods = {
    serialize: function(form, getHash) {
        return Form.serializeElements(Form.getElements(form), getHash);
    },

    getElements: function(form) {
        return $(form).getElementsByTagName('*').inject([],
            function(elements, child) {
                if (Form.Element.Serializers[child.tagName.toLowerCase()])
                    elements.push(Element.extend(child));
            }
        );
    },

    getInputs: function(form, typeName, name) {
        form = $(form);
        var inputs = form.getElementsByTagName('input');

        if (!typeName && !name) return $A(inputs).map(Element.extend);

        for (var i = 0, matchingInputs = [], length = inputs.length; i <
            length; i++) {
            var input = inputs[i];
            if ((typeName && input.type != typeName) || (name &&
                input.name != name))
                continue;
            matchingInputs.push(Element.extend(input));
        }

        return matchingInputs;
    },

    disable: function(form) {
        form = $(form);
        Form.getElements(form).invoke('disable');
        return form;
    },

    enable: function(form) {
        form = $(form);
        Form.getElements(form).invoke('enable');
        return form;
    },

    findFirstElement: function(form) {
        return $(form).getElements().find(function(element) {
            return element.type != 'hidden' && !element.disabled &&
                ['input', 'select',
                'textarea'].include(element.tagName.toLowerCase());
        });
    },

    focusFirstElement: function(form) {
        form = $(form);
        form.findFirstElement().activate();
        return form;
    },

    request: function(form, options) {
        form = $(form), options = Object.clone(options || {});

        var params = options.parameters;
        options.parameters = form.serialize(true);

        if (params) {
            if (typeof params == 'string') params = params.toQueryParams();
            Object.extend(options.parameters, params);
        }

        if (form.hasAttribute('method') && !options.method)
            options.method = form.method;

        return new Ajax.Request(form.readAttribute('action'), options);
    }
};

Object.extend(Form, Form.Methods);

/*-----*/
Form.Element = {
    focus: function(element) {
        $(element).focus();
        return element;
    },

    select: function(element) {
        $(element).select();
        return element;
    }
};

Form.Element.Methods = {
    serialize: function(element) {
        element = $(element);
        if (!element.disabled && element.name) {
            var value = element.getValue();
            if (value != undefined) {
                var pair = {};
                pair[element.name] = value;
                return Hash.toQueryString(pair);
            }
        }
        return "";
    },

    getValue: function(element) {
        element = $(element);
        var method = element.tagName.toLowerCase();
        return Form.Element.Serializers[method](element);
    },

    clear: function(element) {
        $(element).value = "";
        return element;
    },

    present: function(element) {
        return $(element).value != "";
    },

    activate: function(element) {
        element = $(element);
        try {
            element.focus();
            if (element.select && (element.tagName.toLowerCase() != 'input' ||
                !['button', 'reset', 'submit'].include(element.type)))
                element.select();
        } catch (e) {}
        return element;
    },

    disable: function(element) {
        element = $(element);
        element.blur();
        element.disabled = true;
        return element;
    },

    enable: function(element) {
        element = $(element);
        element.disabled = false;
        return element;
    }
};

Object.extend(Form.Element, Form.Element.Methods);
Object.extend(Element.Methods.ByTag, {
    "FORM": Object.clone(Form.Methods),
    "INPUT": Object.clone(Form.Element.Methods),
    "SELECT": Object.clone(Form.Element.Methods),
    "TEXTAREA": Object.clone(Form.Element.Methods)
});

/*-----*/
var Field = Form.Element;
var $F = Form.Element.getValue;

/*-----*/
Form.Element.Serializers = {
    input: function(element) {
        switch (element.type.toLowerCase()) {
            case 'checkbox':
            case 'radio':
                return Form.Element.Serializers.inputSelector(element);
            default:
                return Form.Element.Serializers.textarea(element);
        }
    }
};

```

```

},
inputSelector: function(element) {
    return element.checked ? element.value : null;
},
textarea: function(element) {
    return element.value;
},
select: function(element) {
    return this[element.type == 'select-one' ?
        'selectOne' : 'selectMany'](element);
},
selectOne: function(element) {
    var index = element.selectedIndex;
    return index >= 0 ? this.optionValue(element.options[index]) : null;
},
selectMany: function(element) {
    var values, length = element.length;
    if (!length) return null;

    for (var i = 0, values = [], i < length; i++) {
        var opt = element.options[i];
        if (opt.selected) values.push(this.optionValue(opt));
    }
    return values;
},
optionValue: function(opt) {
    // extend element because hasAttribute may not be native
    return Element.extend(opt).hasAttribute('value') ? opt.value :
    opt.text;
}
}
/*-----*/
Abstract.TimedObserver = function() {}
Abstract.TimedObserver.prototype = {
    initialize: function(element, frequency, callback) {
        this.frequency = frequency;
        this.element = $(element);
        this.callback = callback;

        this.lastValue = this.getValue();
        this.registerCallback();
    },
    registerCallback: function() {
        setInterval(this.onTimerEvent.bind(this), this.frequency * 1000);
    },
    onTimerEvent: function() {
        var value = this.getValue();
        var changed = ('string' == typeof this.lastValue && 'string' ==
        typeof value
        ? this.lastValue != value : String(this.lastValue) != String(value));
        if (changed) {
            this.callback(this.element, value);
            this.lastValue = value;
        }
    }
}
Form.Element.Observer = Class.create();
Form.Element.Observer.prototype = Object.extend(new
Abstract.TimedObserver(), {
    getValue: function() {
        return Form.Element.getValue(this.element);
    }
});
Form.Observer = Class.create();
Form.Observer.prototype = Object.extend(new
Abstract.TimedObserver(), {
    getValue: function() {
        return Form.serialize(this.element);
    }
});
/*-----*/
Abstract.EventObserver = function() {}
Abstract.EventObserver.prototype = {
    initialize: function(element, callback) {
        this.element = $(element);
        this.callback = callback;

        this.lastValue = this.getValue();
    },
    if (this.element.tagName.toLowerCase() == 'form')
        this.registerFormCallbacks();
    else
        this.registerCallback(this.element);
},
onElementEvent: function() {
    var value = this.getValue();
    if (this.lastValue != value) {
        this.callback(this.element, value);
        this.lastValue = value;
    }
},
registerFormCallbacks: function() {
    Form.getElements(this.element).each(this.registerCallback.bind(this)
);
},
registerCallback: function(element) {
    if (element.type) {
        switch (element.type.toLowerCase()) {
            case 'checkbox':
            case 'radio':
                Event.observe(element, 'click', this.onElementEvent.bind(this));
                break;
            default:
                Event.observe(element, 'change',
this.onElementEvent.bind(this));
                break;
        }
    }
}
}
Form.Element.EventObserver = Class.create();
Form.Element.EventObserver.prototype = Object.extend(new
Abstract.EventObserver(), {
    getValue: function() {
        return Form.Element.getValue(this.element);
    }
});
Form.EventObserver = Class.create();
Form.EventObserver.prototype = Object.extend(new
Abstract.EventObserver(), {
    getValue: function() {
        return Form.serialize(this.element);
    }
});
if (!window.Event) {
    var Event = new Object();
}
Object.extend(Event, {
    KEY_BACKSPACE: 8,
    KEY_TAB: 9,
    KEY_RETURN: 13,
    KEY_ESC: 27,
    KEY_LEFT: 37,
    KEY_UP: 38,
    KEY_RIGHT: 39,
    KEY_DOWN: 40,
    KEY_DELETE: 46,
    KEY_HOME: 36,
    KEY_END: 35,
    KEY_PAGEUP: 33,
    KEY_PAGEDOWN: 34,
    element: function(event) {
        return $(event.target || event.srcElement);
    },
    isLeftClick: function(event) {
        return (((event.which) && (event.which == 1)) ||
        ((event.button) && (event.button == 1)));
    },
    pointerX: function(event) {
        return event.pageX || (event.clientX +
        (document.documentElement.scrollLeft ||
document.body.scrollLeft));
    },
    pointerY: function(event) {
        return event.pageY || (event.clientY +
        (document.documentElement.scrollTop ||
document.body.scrollTop));
    },
    stop: function(event) {
        if (event.preventDefault) {

```

```

    event.preventDefault();
    event.stopPropagation();
  } else {
    event.returnValue = false;
    event.cancelBubble = true;
  }
},

// find the first node with the given tagName, starting from the
// node the event was triggered on; traverses the DOM upwards
findElement: function(event, tagName) {
  var element = Event.element(event);
  while (element.parentNode && (!element.tagName ||
    (element.tagName.toUpperCase() != tagName.toUpperCase())))
    element = element.parentNode;
  return element;
},

observers: false,

_observeAndCache: function(element, name, observer, useCapture) {
  if (!this.observers) this.observers = [];
  if (element.addEventListener) {
    this.observers.push([element, name, observer, useCapture]);
    element.addEventListener(name, observer, useCapture);
  } else if (element.attachEvent) {
    this.observers.push([element, name, observer, useCapture]);
    element.attachEvent('on' + name, observer);
  }
},

unloadCache: function() {
  if (!Event.observers) return;
  for (var i = 0, length = Event.observers.length; i < length; i++) {
    Event.stopObserving.apply(this, Event.observers[i]);
    Event.observers[i][0] = null;
  }
  Event.observers = false;
},

observe: function(element, name, observer, useCapture) {
  element = $(element);
  useCapture = useCapture || false;

  if (name == 'keypress' &&
    (Prototype.Browser.WebKit || element.attachEvent))
    name = 'keydown';

  Event._observeAndCache(element, name, observer, useCapture);
},

stopObserving: function(element, name, observer, useCapture) {
  element = $(element);
  useCapture = useCapture || false;

  if (name == 'keypress' &&
    (Prototype.Browser.WebKit || element.attachEvent))
    name = 'keydown';

  if (element.removeEventListener) {
    element.removeEventListener(name, observer, useCapture);
  } else if (element.detachEvent) {
    try {
      element.detachEvent('on' + name, observer);
    } catch (e) {}
  }
},

/* prevent memory leaks in IE */
if (Prototype.Browser.IE)
  Event.observe(window, 'unload', Event.unloadCache, false);
var Position = {
  // set to true if needed, warning: firefox performance problems
  // NOT needed for page scrolling, only if draggable contained in
  // scrollable elements
  includeScrollOffsets: false,

  // must be called before calling withinIncludingScrollOffset, every time
  // the
  // page is scrolled
  prepare: function() {
    this.deltaX = window.pageXOffset
      || document.documentElement.scrollLeft
      || document.body.scrollLeft
      || 0;
    this.deltaY = window.pageYOffset
      || document.documentElement.scrollTop
      || document.body.scrollTop
      || 0;
  },

  realOffset: function(element) {
    var valueT = 0, valueL = 0;
    do {
      valueT += element.scrollTop || 0;
      valueL += element.scrollLeft || 0;
      element = element.parentNode;
    } while (element);
    return [valueL, valueT];
  },

  cumulativeOffset: function(element) {
    var valueT = 0, valueL = 0;
    do {
      valueT += element.offsetTop || 0;
      valueL += element.offsetLeft || 0;
      element = element.offsetParent;
    } while (element);
    return [valueL, valueT];
  },

  positionedOffset: function(element) {
    var valueT = 0, valueL = 0;
    do {
      valueT += element.offsetTop || 0;
      valueL += element.offsetLeft || 0;
      element = element.offsetParent;
      if (element) {
        if (element.tagName == 'BODY') break;
        var p = Element.getStyle(element, 'position');
        if (p == 'relative' || p == 'absolute') break;
      }
    } while (element);
    return [valueL, valueT];
  },

  offsetParent: function(element) {
    if (element.offsetParent) return element.offsetParent;
    if (element == document.body) return element;

    while ((element = element.parentNode) && element !=
    document.body)
      if (Element.getStyle(element, 'position') != 'static')
        return element;

    return document.body;
  },

  // caches x/y coordinate pair to use with overlap
  within: function(element, x, y) {
    if (this.includeScrollOffsets)
      return this.withinIncludingScrollOffsets(element, x, y);
    this.xcomp = x;
    this.ycomp = y;
    this.offset = this.cumulativeOffset(element);

    return (y >= this.offset[1] &&
      y < this.offset[1] + element.offsetHeight &&
      x >= this.offset[0] &&
      x < this.offset[0] + element.offsetWidth);
  },

  withinIncludingScrollOffsets: function(element, x, y) {
    var offsetcache = this.realOffset(element);

    this.xcomp = x + offsetcache[0] - this.deltaX;
    this.ycomp = y + offsetcache[1] - this.deltaY;
    this.offset = this.cumulativeOffset(element);

    return (this.ycomp >= this.offset[1] &&
      this.ycomp < this.offset[1] + element.offsetHeight &&
      this.xcomp >= this.offset[0] &&
      this.xcomp < this.offset[0] + element.offsetWidth);
  },

  // within must be called directly before
  overlap: function(mode, element) {
    if (!mode) return 0;
    if (mode == 'vertical')
      return ((this.offset[1] + element.offsetHeight) - this.ycomp) /
        element.offsetHeight;
    if (mode == 'horizontal')
      return ((this.offset[0] + element.offsetWidth) - this.xcomp) /
        element.offsetWidth;
  },

  page: function(forElement) {
    var valueT = 0, valueL = 0;

    var element = forElement;
    do {
      valueT += element.offsetTop || 0;
      valueL += element.offsetLeft || 0;
    }
  }
};

```



```

// Safari fix
if (element.offsetParent == document.body)
  if (Element.getStyle(element, 'position') == 'absolute') break;
} while (element = element.offsetParent);

element = forElement;
do {
  if (!window.opera || element.tagName == 'BODY') {
    valueT := element.scrollTop || 0;
    valueL := element.scrollLeft || 0;
  }
} while (element = element.parentNode);

return [valueL, valueT];
},

clone: function(source, target) {
  var options = Object.extend({
    setLeft: true,
    setTop: true,
    setWidth: true,
    setHeight: true,
    offsetTop: 0,
    offsetLeft: 0
  }, arguments[2] || {});

  // find page position of source
  source = $(source);
  var p = Position.page(source);

  // find coordinate system to use
  target = $(target);
  var delta = [0, 0];
  var parent = null;
  // delta [0,0] will do fine with position: fixed elements,
  // position: absolute needs offsetParent deltas
  if (Element.getStyle(target, 'position') == 'absolute') {
    parent = Position.offsetParent(target);
    delta = Position.page(parent);
  }

  // correct by body offsets (fixes Safari)
  if (parent == document.body) {
    delta[0] := document.body.offsetLeft;
    delta[1] := document.body.offsetTop;
  }

  // set position
  if(options.setLeft) target.style.left = (p[0] - delta[0] +
options.offsetLeft) + 'px';
  if(options.setTop) target.style.top = (p[1] - delta[1] +
options.offsetTop) + 'px';
  if(options.setWidth) target.style.width = source.offsetWidth + 'px';
  if(options.setHeight) target.style.height = source.offsetHeight + 'px';
},

absolutize: function(element) {
  element = $(element);
  if (element.style.position == 'absolute') return;
  Position.prepare();

  var offsets = Position.positionedOffset(element);
  var top = offsets[1];
  var left = offsets[0];
  var width = element.clientWidth;
  var height = element.clientHeight;

  element._originalLeft = left - parseFloat(element.style.left || 0);
  element._originalTop = top - parseFloat(element.style.top || 0);
  element._originalWidth = element.style.width;
  element._originalHeight = element.style.height;

  element.style.position = 'absolute';
  element.style.top = top + 'px';
  element.style.left = left + 'px';
  element.style.width = width + 'px';
  element.style.height = height + 'px';
},

relativize: function(element) {
  element = $(element);
  if (element.style.position == 'relative') return;
  Position.prepare();

  element.style.position = 'relative';
  var top = parseFloat(element.style.top || 0) - (element._originalTop
|| 0);
  var left = parseFloat(element.style.left || 0) - (element._originalLeft
|| 0);

```

```

element.style.top = top + 'px';
element.style.left = left + 'px';
element.style.height = element._originalHeight;
element.style.width = element._originalWidth;
}
}

// Safari returns margins on body which is incorrect if the child is
absolutely
// positioned. For performance reasons, redefine
Position.cumulativeOffset for
// KHTML/WebKit only.
if (Prototype.Browser.WebKit) {
  Position.cumulativeOffset = function(element) {
    var valueT = 0, valueL = 0;
    do {
      valueT += element.offsetTop || 0;
      valueL += element.offsetLeft || 0;
      if (element.offsetParent == document.body)
        if (Element.getStyle(element, 'position') == 'absolute') break;

      element = element.offsetParent;
    } while (element);

    return [valueL, valueT];
  }
}

```

Element.addMethods();

reslinks.lbi

```

<table width="777" height="30" align="center" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef">
<tr align="center">
<td class="mlinks"><a href="reshome.php">HOME</a></td>
<td class="mlinks"><a href="useraccount.php?usr=?=$usr_id?
">MY ACCOUNT</a></td>
<td class="mlinks" onMouseOver="subMenu('pstatus',190, 363)"
onMouseOut="subMenu('pstatus', -300, 0)"><a href="#">PATIENTS'
STATUS</a></td>
<td class="mlinks" onMouseOver="subMenu('plocation',190, 514)"
onMouseOut="subMenu('plocation', -300, 0)"><a href="#">PATIENTS'
LOCATION</a></td>
<td class="mlinks" onMouseOver="subMenu('pmonitor',190, 683)"
onMouseOut="subMenu('pmonitor', -300, 0)"><a
href="#">MONITORING DATA</a></td>
<td class="mlinks"><a href="logout.php">LOGOUT</a></td>
<td class="mlinks" width="80"><span
id="clock">&nbsp;</span></td>
</tr>
</table>

```

```

<table id="pstatus" class="smlinks" width="152" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef"
onMouseOver="subMenu('pstatus',190, 363)"
onMouseOut="subMenu('pstatus', -300, 0)">
<tr>
<td><a href="newpostop.php">NEW POSTOP</a></td>
</tr>
<tr>
<td><a href="inpatients.php">INPATIENTS</a></td>
</tr>
<tr>
<td><a href="outpatients.php">PAST RECORDS</a></td>
</tr>
</table>

```

```

<table id="plocation" class="smlinks" width="170" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef"
onMouseOver="subMenu('plocation',190, 514)"
onMouseOut="subMenu('plocation', -300, 0)">
<?
opendb();
$plocquery =
"SELECT fno_pk
FROM floor
ORDER BY fno_pk";
$plocresult = mysql_query($plocquery);

$ploclist = "<tr><td><a href='\"
patients.php?
ploc=0\">RR</a></td></tr>";
while($plocrow = mysql_fetch_array($plocresult)){
  $ploclist = $ploclist . "<tr><td><a href='\"
patients.php?ploc= .
$plocrow[0] . \">FLOOR \" . $plocrow[0] . \"></td></tr>";
}
closedb();
print $ploclist;
?>
</table>

```

```

<table id="pmonitor" class="smlinks" width="155" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef"
onMouseOver="subMenu('pmonitor',190, 683)"
onMouseOut="subMenu('pmonitor', -300, 0)">
<tr>
<td><a href="medications.php">MEDICATIONS</a></td>
</tr>
<tr>
<td><a href="pains.php">PAIN SCORES</a></td>
</tr>
<tr>
<td><a href="effects.php">SIDE EFFECTS</a></td>
</tr>
</table>

```

sysadlinks.lbi

```

<table width="777" height="30" align="center" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef">
<tr align="center">
<td class="mlinks"><a href="sysadhome.php">HOME</a></td>
<td class="mlinks"><a href="useraccount.php?usr=?=$usr_id"
">MY ACCOUNT</a></td>
<td class="mlinks" onMouseOver="subMenu('users',190, 356)"
onMouseOut="subMenu('users', -300, 0)"><a
href="users.php">USERS</a></td>
<td class="mlinks" onMouseOver="subMenu('assigns',190, 468)"
onMouseOut="subMenu('assigns', -300, 0)"><a
href="assignments.php">ASSIGNMENTS</a></td>
<td class="mlinks" onMouseOver="subMenu('locations',190, 610)"
onMouseOut="subMenu('locations', -300, 0)"><a href="locations.php?
loctype=1" >LOCATIONS</a></td>
<td class="mlinks" onMouseOver="subMenu('reports',190, 713)"
onMouseOut="subMenu('reports', -300, 0)"><a
href="#">REPORTS</a></td>
<td class="mlinks"><a href="logout.php">LOGOUT</a></td>
<td class="mlinks" width="80"><span
id="clock">&nbsp;&nbsp;&nbsp;</span></td>
</tr>
</table>

```

```

<table id="users" class="smlinks" width="156" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef"
onMouseOver="subMenu('users',190, 356)"
onMouseOut="subMenu('users', -300, 0)">
<tr>
<td><a href="useraccount.php">ADD USER</a></td>
</tr>
<tr>
<td><a href="users.php?
thisselect=s">ADMINISTRATORS</a></td>
</tr>
<tr>
<td><a href="users.php?
thisselect=a">ANESTHESIOLOGISTS</a></td>
</tr>
<tr>
<td><a href="users.php?thisselect=r">RESIDENTS</a></td>
</tr>
<tr>
<td><a href="users.php?thisselect=n">NURSES</a></td>
</tr>
<tr>
<td><a href="useraccount.php?usr=2">AROD</a></td>
</tr>
<tr>
<td><a href="users.php">ALL USERS</a></td>
</tr>
</table>

```

```

<table id="assigns" class="smlinks" width="144" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef"
onMouseOver="subMenu('assigns',190, 468)"
onMouseOut="subMenu('assigns', -300, 0)">
<tr>
<td><a href="assignmentdetails.php">ADD SCHEDULE</a></td>
</tr>
<tr>
<td><a href="assignments.php">VIEW SCHEDULES</a></td>
</tr>
</table>

```

```

<table id="locations" class="smlinks" width="120" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef"
onMouseOver="subMenu('locations',190, 610)"
onMouseOut="subMenu('locations', -300, 0)">
<tr>
<td><a href="locations.php?loctype=1">FLOORS</a></td>
</tr>
<tr>
<td><a href="locations.php?loctype=2">ROOMS</a></td>
</tr>

```

```

<tr>
<td><a href="locations.php?loctype=3">BEDS</a></td>
</tr>
</table>

```

```

<table id="reports" class="smlinks" width="128" cellpadding="0"
cellspacing="0" border="1" bordercolor="#d5e8ef"
onMouseOver="subMenu('reports',190, 713)"
onMouseOut="subMenu('reports', -300, 0)">
<tr>
<td><a href="report.php?reptype=1">POSTOP REPORT</a></td>
</tr>
<tr>
<td><a href="report.php?reptype=2">RR REPORT</a></td>
</tr>
</table>

```

window.js

```

// Copyright (c) 2006 Sébastien Gruhier (http://xilinus.com,
http://itseb.com)
//
// Permission is hereby granted, free of charge, to any person obtaining
// a copy of this software and associated documentation files (the
// "Software"), to deal in the Software without restriction, including
// without limitation the rights to use, copy, modify, merge, publish,
// distribute, sublicense, and/or sell copies of the Software, and to
// permit persons to whom the Software is furnished to do so, subject
// to
// the following conditions:
//
// The above copyright notice and this permission notice shall be
// included in all copies or substantial portions of the Software.
//
// THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY
// KIND,
// EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
// WARRANTIES OF
// MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
// NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR
// COPYRIGHT HOLDERS BE
// LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN
// AN ACTION
// OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
// CONNECTION
// WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
// SOFTWARE.
//
// VERSION 1.3

var Window = Class.create();

Window.keepMultiModalWindow = false;
Window.hasEffectLib = (typeof Effect != 'undefined');
Window.resizeEffectDuration = 0.4;

Window.prototype = {
// Constructor
// Available parameters : className, blurClassName, title, minWidth,
minHeight, maxWidth, maxHeight, width, height, top, left, bottom,
right, resizable, zIndex, opacity, recenterAuto, wiredDrag
// hideEffect, showEffect, showEffectOptions,
hideEffectOptions, effectOptions, url, draggable, closable, minimizable,
maximizable, parent, onload
// add all callbacks (if you do not use an observer)
// onDestory onStartResize onStartMove onResize
onMove onEndResize onEndMove onFocus onBlur onBeforeShow
onShow onHide onMinimize onMaximize onClose

initialize: function() {
var id;
var optionIndex = 0;
// For backward compatibility like win= new Window("id", {...})
instead of win = new Window({id: "id", ...})
if (arguments.length > 0) {
if (typeof arguments[0] == "string" ) {
id = arguments[0];
optionIndex = 1;
}
else
id = arguments[0] ? arguments[0].id : null;
}

// Generate unique ID if not specified
if (!id)
id = "window_" + new Date().getTime();

if ($id)
alert("Window " + id + " is already registered in the DOM! Make
sure you use setDestroyOnClose() or destroyOnClose: true in the
constructor");

```

```

this.options = Object.extend({
  className: "dialog",
  blurClassName: null,
  minWidth: 100,
  minHeight: 20,
  resizable: true,
  closable: true,
  minimizable: true,
  maximizable: true,
  draggable: true,
  userData: null,
  showEffect: (Window.hasEffectLib ? Effect.Appear :
Element.show),
  hideEffect: (Window.hasEffectLib ? Effect.Fade : Element.hide),
  showEffectOptions: {},
  hideEffectOptions: {},
  effectOptions: null,
  parent: document.body,
  title: "&nbsp;",
  url: null,
  onload: Prototype.emptyFunction,
  width: 200,
  height: 300,
  opacity: 1,
  recenterAuto: true,
  wiredDrag: false,
  closeCallback: null,
  destroyOnClose: false,
  gridX: 1,
  gridY: 1
}, arguments[optionIndex] || {});
if (this.options.blurClassName)
  this.options.focusClassName = this.options.className;

if (typeof this.options.top == "undefined" && typeof
this.options.bottom == "undefined")
  this.options.top = this._round(Math.random()*500,
this.options.gridY);
if (typeof this.options.left == "undefined" && typeof
this.options.right == "undefined")
  this.options.left = this._round(Math.random()*500,
this.options.gridX);

if (this.options.effectOptions) {
  Object.extend(this.options.hideEffectOptions,
this.options.effectOptions);
  Object.extend(this.options.showEffectOptions,
this.options.effectOptions);
  if (this.options.showEffect == Element.Appear)
    this.options.showEffectOptions.to = this.options.opacity;
}
if (Window.hasEffectLib) {
  if (this.options.showEffect == Effect.Appear)
    this.options.showEffectOptions.to = this.options.opacity;

  if (this.options.hideEffect == Effect.Fade)
    this.options.hideEffectOptions.from = this.options.opacity;
}
if (this.options.hideEffect == Element.hide)
  this.options.hideEffect = function(){ Element.hide(this.element); if
(this.options.destroyOnClose) this.destroy(); }.bind(this)

if (this.options.parent != document.body)
  this.options.parent = $(this.options.parent);

this.element = this._createWindow(id);
this.element.win = this;

// Bind event listener
this.eventMouseDown = this._initDrag.bindAsEventListener(this);
this.eventMouseUp = this._endDrag.bindAsEventListener(this);
this.eventMouseMove = this._updateDrag.bindAsEventListener(this);
this.eventOnLoad =
this._getWindowBorderSize.bindAsEventListener(this);
this.eventMouseDownContent =
this.toFront.bindAsEventListener(this);
this.eventResize = this._recenter.bindAsEventListener(this);

this.topbar = $(this.element.id + "_top");
this.bottombar = $(this.element.id + "_bottom");
this.content = $(this.element.id + "_content");

Event.observe(this.topbar, "mousedown", this.eventMouseDown);
Event.observe(this.bottombar, "mousedown",
this.eventMouseDown);
Event.observe(this.content, "mousedown",
this.eventMouseDownContent);
Event.observe(window, "load", this.eventOnLoad);
Event.observe(window, "resize", this.eventResize);
Event.observe(window, "scroll", this.eventResize);
Event.observe(this.options.parent, "scroll", this.eventResize);

if (this.options.draggable) {
  var that = this;
  [this.topbar, this.topbar.up().previous(),
this.topbar.up().next()].each(function(element) {
  element.observe("mousedown", that.eventMouseDown);
  element.addClassName("top_draggable");
});
  [this.bottombar.up(), this.bottombar.up().previous(),
this.bottombar.up().next()].each(function(element) {
  element.observe("mousedown", that.eventMouseDown);
  element.addClassName("bottom_draggable");
});
}

if (this.options.resizable) {
  this.sizer = $(this.element.id + "_sizer");
  Event.observe(this.sizer, "mousedown", this.eventMouseDown);
}

this.useLeft = null;
this.useTop = null;
if (typeof this.options.left != "undefined") {
  this.element.setStyle({left: parseFloat(this.options.left) + 'px'});
  this.useLeft = true;
}
else {
  this.element.setStyle({right: parseFloat(this.options.right) + 'px'});
  this.useLeft = false;
}

if (typeof this.options.top != "undefined") {
  this.element.setStyle({top: parseFloat(this.options.top) + 'px'});
  this.useTop = true;
}
else {
  this.element.setStyle({bottom: parseFloat(this.options.bottom) +
'px'});
  this.useTop = false;
}

this.storedLocation = null;

this.setOpacity(this.options.opacity);
if (this.options.zIndex)
  this.setZIndex(this.options.zIndex)

if (this.options.destroyOnClose)
  this.setDestroyOnClose(true);

this._getWindowBorderSize();
this.width = this.options.width;
this.height = this.options.height;
this.visible = false;

this.constraint = false;
this.constraintPad = {top: 0, left: 0, bottom: 0, right: 0};

if (this.width && this.height)
  this.setSize(this.options.width, this.options.height);
this.setTitle(this.options.title)
Windows.register(this);
},

// Destructor
destroy: function() {
  this._notify("onDestroy");
  Event.stopObserving(this.topbar, "mousedown",
this.eventMouseDown);
  Event.stopObserving(this.bottombar, "mousedown",
this.eventMouseDown);
  Event.stopObserving(this.content, "mousedown",
this.eventMouseDownContent);

  Event.stopObserving(window, "load", this.eventOnLoad);
  Event.stopObserving(window, "resize", this.eventResize);
  Event.stopObserving(window, "scroll", this.eventResize);

  Event.stopObserving(this.content, "load", this.options.onload);

if (this._oldParent) {
  var content = this.getContent();
  var originalContent = null;
  for(var i = 0; i < content.childNodes.length; i++) {
    originalContent = content.childNodes[i];
    if (originalContent.nodeType == 1)
      break;
    originalContent = null;
  }
  if (originalContent)
    this._oldParent.appendChild(originalContent);
  this._oldParent = null;
}
}

```

```

    }

    if (this.sizer)
        Event.stopObserving(this.sizer, "mousedown",
this.eventMouseDown);

    if (this.options.url)
        this.content.src = null

    if(this.iefix)
        Element.remove(this.iefix);

    Element.remove(this.element);
    Windows.unregister(this);
},

// Sets close callback, if it sets, it should return true to be able to
close the window.
setCloseCallback: function(callback) {
    this.options.closeCallback = callback;
},

// Gets window content
getContent: function () {
    return this.content;
},

// Sets the content with an element id
setContent: function(id, autoresize, autoresize) {
    var element = $(id);
    if (null == element) throw "Unable to find element '" + id + "' in
DOM";
    this._oldParent = element.parentNode;

    var d = null;
    var p = null;

    if (autoresize)
        d = Element.getDimensions(element);
    if (autoresize)
        p = Position.cumulativeOffset(element);

    var content = this.getContent();
    // Clear HTML (and even iframe)
    this.setHTMLContent("");
    content = this.getContent();

    content.appendChild(element);
    element.show();
    if (autoresize)
        this.setSize(d.width, d.height);
    if (autoresize)
        this.setLocation(p[1] - this.heightN, p[0] - this.widthW);
},

setHTMLContent: function(html) {
    // It was an url (iframe), recreate a div content instead of iframe
content
    if (this.options.url) {
        this.content.src = null;
        this.options.url = null;

        var content = "<div id=\"" + this.getId() + "_content\" class=\"" +
this.options.className + "_content\"> </div>";
        $(this.getId() + "_table_content").innerHTML = content;

        this.content = $(this.element.id + "_content");
    }

    this.getContent().innerHTML = html;
},

setAjaxContent: function(url, options, showCentered, showModal) {
    this.showFunction = showCentered ? "showCenter" : "show";
    this.showModal = showModal || false;

    options = options || {};

    // Clear HTML (and even iframe)
    this.setHTMLContent("");

    this.onComplete = options.onComplete;
    if (! this._onCompleteHandler)
        this._onCompleteHandler = this._setAjaxContent.bind(this);
    options.onComplete = this._onCompleteHandler;

    new Ajax.Request(url, options);
    options.onComplete = this.onComplete;
},

_setAjaxContent: function(originalRequest) {
    Element.update(this.getContent(), originalRequest.responseText);

    if (this.onComplete)
        this.onComplete(originalRequest);
    this.onComplete = null;
    this[this.showFunction](this.showModal)
},

setURL: function(url) {
    // Not an url content, change div to iframe
    if (this.options.url)
        this.content.src = null;
    this.options.url = url;
    var content= "<iframe frameborder='0' name=\"" + this.getId() +
"_content' id=\"" + this.getId() + "_content' src=\"" + url + "\" width=\"" +
this.width + "\" height=\"" + this.height + "\"> </iframe>";
    $(this.getId() + "_table_content").innerHTML = content;

    this.content = $(this.element.id + "_content");
},

getUrl: function() {
    return this.options.url ? this.options.url : null;
},

refresh: function() {
    if (this.options.url)
        $(this.element.getAttribute('id') + '_content').src = this.options.url;
},

// Stores position/size in a cookie, by default named with window id
setCookie: function(name, expires, path, domain, secure) {
    name = name || this.element.id;
    this.cookie = [name, expires, path, domain, secure];

    // Get cookie
    var value = WindowUtilities.getCookie(name)
    // If exists
    if (value) {
        var values = value.split(';');
        var x = values[0].split(':');
        var y = values[1].split(':');

        var w = parseFloat(values[2]), h = parseFloat(values[3]);
        var mini = values[4];
        var maxi = values[5];

        this.setSize(w, h);
        if (mini == "true")
            this.doMinimize = true; // Minimize will be done at onload window
event
        else if (maxi == "true")
            this.doMaximize = true; // Maximize will be done at onload
window event

        this.useLeft = x[0] == "l";
        this.useTop = y[0] == "t";

        this.element.setStyle(this.useLeft ? {left: x[1]} : {right: x[1]});
        this.element.setStyle(this.useTop ? {top: y[1]} : {bottom: y[1]});
    }
},

// Gets window ID
getId: function() {
    return this.element.id;
},

// Destroys itself when closing
setDestroyOnClose: function() {
    this.options.destroyOnClose = true;
},

setConstraint: function(bool, padding) {
    this.constraint = bool;
    this.constraintPad = Object.extend(this.constraintPad, padding ||
{});
    // Reset location to apply constraint
    if (this.useTop && this.useLeft)
        this.setLocation(parseFloat(this.element.style.top),
parseFloat(this.element.style.left));
},

// initDrag event

_initDrag: function(event) {
    // No resize on minimized window
    if (Event.element(event) == this.sizer && this.isMinimized())
        return;

    // No move on maximzed window
    if (Event.element(event) != this.sizer && this.isMaximized())
        return;
}

```

```

if (Prototype.Browser.IE && this.heightN == 0)
    this._getWindowBorderSize();

// Get pointer X,Y
this.pointer = [this._round(Event.pointerX(event),
this.options.gridX), this._round(Event.pointerY(event),
this.options.gridY)];
if (this.options.wiredDrag)
    this.currentDrag = this._createWiredElement();
else
    this.currentDrag = this.element;

// Resize
if (Event.element(event) == this.sizer) {
    this.doResize = true;
    this.widthOrg = this.width;
    this.heightOrg = this.height;
    this.bottomOrg = parseFloat(this.element.getStyle('bottom'));
    this.rightOrg = parseFloat(this.element.getStyle('right'));
    this._notify("onStartResize");
}
else {
    this.doResize = false;

    // Check if click on close button,
    var closeButton = $(this.getId() + ' close');
    if (closeButton && Position.within(closeButton, this.pointer[0],
this.pointer[1])) {
        this.currentDrag = null;
        return;
    }

    this.toFront();

    if (! this.options.draggable)
        return;
    this._notify("onStartMove");
}
// Register global event to capture mouseUp and mouseMove
Event.observe(document, "mouseup", this.eventMouseUp, false);
Event.observe(document, "mousemove", this.eventMouseMove,
false);

// Add an invisible div to keep catching mouse event over iframes
WindowUtilities.disableScreen('__invisible__', '__invisible__',
this.overlayOpacity);

// Stop selection while dragging
document.body.ondrag = function () { return false; };
document.body.onselectstart = function () { return false; };

this.currentDrag.show();
Event.stop(event);
},

_round: function(val, round) {
    return round == 1 ? val : val = Math.floor(val / round) * round;
},

// updateDrag event
_updateDrag: function(event) {
    var pointer = [this._round(Event.pointerX(event),
this.options.gridX), this._round(Event.pointerY(event),
this.options.gridY)];
    var dx = pointer[0] - this.pointer[0];
    var dy = pointer[1] - this.pointer[1];

    // Resize case, update width/height
    if (this.doResize) {
        var w = this.widthOrg + dx;
        var h = this.heightOrg + dy;

        dx = this.width - this.widthOrg
        dy = this.height - this.heightOrg

        // Check if it's a right position, update it to keep upper-left corner at
        the same position
        if (this.useLeft)
            w = this._updateWidthConstraint(w)
        else
            this.currentDrag.setStyle({right: (this.rightOrg - dx) + 'px'});
        // Check if it's a bottom position, update it to keep upper-left corner
        at the same position
        if (this.useTop)
            h = this._updateHeightConstraint(h)
        else
            this.currentDrag.setStyle({bottom: (this.bottomOrg - dy) + 'px'});

        this.setSize(w , h);
        this._notify("onResize");
    }
    // Move case, update top/left
    else {
        this.pointer = pointer;

        if (this.useLeft) {
            var left = parseFloat(this.currentDrag.getStyle('left')) + dx;
            var newLeft = this._updateLeftConstraint(left);
            // Keep mouse pointer correct
            this.pointer[0] += newLeft - left;
            this.currentDrag.setStyle({left: newLeft + 'px'});
        }
        else
            this.currentDrag.setStyle({right:
parseFloat(this.currentDrag.getStyle('right')) - dx + 'px'});

        if (this.useTop) {
            var top = parseFloat(this.currentDrag.getStyle('top')) + dy;
            var newTop = this._updateTopConstraint(top);
            // Keep mouse pointer correct
            this.pointer[1] += newTop - top;
            this.currentDrag.setStyle({top: newTop + 'px'});
        }
        else
            this.currentDrag.setStyle({bottom:
parseFloat(this.currentDrag.getStyle('bottom')) - dy + 'px'});

        this._notify("onMove");
    }
    if (this.iefix)
        this._fixIEOverlapping();

    this._removeStoreLocation();
    Event.stop(event);
},

// endDrag callback
_endDrag: function(event) {
    // Remove temporary div over iframes
    WindowUtilities.enableScreen('__invisible__');

    if (this.doResize)
        this._notify("onEndResize");
    else
        this._notify("onEndMove");

    // Release event observing
    Event.stopObserving(document, "mouseup",
this.eventMouseUp, false);
    Event.stopObserving(document, "mousemove",
this.eventMouseMove, false);

    Event.stop(event);

    this._hideWiredElement();

    // Store new location/size if need be
    this._saveCookie()

    // Restore selection
    document.body.ondrag = null;
    document.body.onselectstart = null;
},

_updateLeftConstraint: function(left) {
    if (this.constraint && this.useLeft && this.useTop) {
        var width = this.options.parent == document.body ?
WindowUtilities.getPageSize().windowWidth :
this.options.parent.getDimensions().width;

        if (left < this.constraintPad.left)
            left = this.constraintPad.left;
        if (left + this.width + this.widthE + this.widthW > width -
this.constraintPad.right)
            left = width - this.constraintPad.right - this.width - this.widthE -
this.widthW;
    }
    return left;
},

_updateTopConstraint: function(top) {
    if (this.constraint && this.useLeft && this.useTop) {
        var height = this.options.parent == document.body ?
WindowUtilities.getPageSize().windowHeight :
this.options.parent.getDimensions().height;

        var h = this.height + this.heightN + this.heightS;

        if (top < this.constraintPad.top)
            top = this.constraintPad.top;
        if (top + h > height - this.constraintPad.bottom)
            top = height - this.constraintPad.bottom - h;
    }
    return top;
}

```

```

},
_updateWidthConstraint: function(w) {
  if (this.constraint && this.useLeft && this.useTop) {
    var width = this.options.parent === document.body ?
    WindowUtilities.getPageSize().windowWidth :
    this.options.parent.getDimensions().width;
    var left = parseFloat(this.element.getStyle("left"));

    if (left + w + this.widthE + this.widthW > width -
    this.constraintPad.right)
      w = width - this.constraintPad.right - left - this.widthE -
    this.widthW;
  }
  return w;
},

_updateHeightConstraint: function(h) {
  if (this.constraint && this.useLeft && this.useTop) {
    var height = this.options.parent === document.body ?
    WindowUtilities.getPageSize().windowHeight :
    this.options.parent.getDimensions().height;
    var top = parseFloat(this.element.getStyle("top"));

    if (top + h + this.heightN + this.heightS > height -
    this.constraintPad.bottom)
      h = height - this.constraintPad.bottom - top - this.heightN -
    this.heightS;
  }
  return h;
},

// Creates HTML window code
_createWindow: function(id) {
  var className = this.options.className;
  var win = document.createElement("div");
  win.setAttribute('id', id);
  win.className = "dialog";

  var content;
  if (this.options.url)
    content = "<iframe frameborder='0' name='\" + id + \"_content'
id='\" + id + \"_content' src='\" + this.options.url + \"'> </iframe>";
  else
    content = "<div id='\" + id + \"_content' class='\" + className +
\"_content'> </div>";

  var closeDiv = this.options.closable ? "<div class='\" + className
+ \"_close' id='\" + id + \"_close' onclick='Windows.close(\" + id + \"',
event)'> </div>";
  var minDiv = this.options.minimizable ? "<div class='\" + className
+ \"_minimize' id='\" + id + \"_minimize' onclick='Windows.minimize(\" + id
+ \"', event)'> </div>";
  var maxDiv = this.options.maximizable ? "<div class='\" + className
+ \"_maximize' id='\" + id + \"_maximize'
onclick='Windows.maximize(\" + id + \"', event)'> </div>";
  var seAttributes = this.options.resizable ? "class='\" + className +
\"_sizer' id='\" + id + \"_sizer' : \"class='\" + className + \"_se'";
  var blank = ".themes/default/blank.gif";

  win.innerHTML = closeDiv + minDiv + maxDiv + "\
<table id='\" + id + \"_row1' class='\" + \"top table_window\">\
<tr>\
<td class='\" + className + \"_nw'></td>\
<td class='\" + className + \"_n'><div id='\" + id + \"_top'
class='\" + className + \"_title title\"><span style='float:left; width:1px;
height:1px'></span></div></td>\
<td class='\" + className + \"_ne'></td>\
</tr>\
</table>\
<table id='\" + id + \"_row2' class='\" + \"mid table_window\">\
<tr>\
<td class='\" + className + \"_w'></td>\
<td id='\" + id + \"_table_content' class='\" + className
+ \"_content' valign='top'>\" + content + \"</td>\
<td class='\" + className + \"_e'></td>\
</tr>\
</table>\
<table id='\" + id + \"_row3' class='\" + \"bot table_window\">\
<tr>\
<td class='\" + className + \"_sw'></td>\
<td class='\" + className + \"_s'><div id='\" + id + \"_bottom'
class='\" + \"status_bar\"><span style='float:left; width:1px;
height:1px'></span></div></td>\
<td \" + seAttributes + \"></td>\
</tr>\
</table>\
";
  Element.hide(win);
  this.options.parent.insertBefore(win, this.options.parent.firstChild);
  Event.observe($(id + "_content"), "load", this.options.onload);
},

return win;
},

changeClassName: function(newClassName) {
  var className = this.options.className;
  var id = this.getId();
  $A(["_close", "_minimize", "_maximize", "_sizer",
"_content"]).each(function(value) { this._toggleClassName$(id +
value), className + value, newClassName + value }.bind(this));
  this._toggleClassName$(id + "_top"), className + "_title",
newClassName + "_title");
  $$("#" + id + " td").each(function(td) { td.className =
td.className.sub(className, newClassName); });
  this.options.className = newClassName;
},

_toggleClassName: function(element, oldClassName, newClassName)
{
  if (element) {
    element.removeClassName(oldClassName);
    element.addClassName(newClassName);
  }
},

// Sets window location
setLocation: function(top, left) {
  top = this._updateTopConstraint(top);
  left = this._updateLeftConstraint(left);

  var e = this.currentDrag || this.element;
  e.setStyle({top: top + 'px'});
  e.setStyle({left: left + 'px'});

  this.useLeft = true;
  this.useTop = true;
},

getLocation: function() {
  var location = {};
  if (this.useTop)
    location = Object.extend(location, {top:
this.element.getStyle("top")});
  else
    location = Object.extend(location, {bottom:
this.element.getStyle("bottom")});
  if (this.useLeft)
    location = Object.extend(location, {left:
this.element.getStyle("left")});
  else
    location = Object.extend(location, {right:
this.element.getStyle("right")});
},

return location;
},

// Gets window size
getSize: function() {
  return {width: this.width, height: this.height};
},

// Sets window size
setSize: function(width, height, useEffect) {
  width = parseFloat(width);
  height = parseFloat(height);

  // Check min and max size
  if (!this.minimized && width < this.options.minWidth)
    width = this.options.minWidth;

  if (!this.minimized && height < this.options.minHeight)
    height = this.options.minHeight;

  if (this.options.maxHeight && height > this.options.maxHeight)
    height = this.options.maxHeight;

  if (this.options.maxWidth && width > this.options.maxWidth)
    width = this.options.maxWidth;

  if (this.useTop && this.useLeft && Window.hasEffectLib &&
Effect.ResizeWindow && useEffect) {
    new Effect.ResizeWindow(this, null, null, width, height, {duration:
Window.resizeEffectDuration});
  } else {
    this.width = width;
    this.height = height;
    var e = this.currentDrag ? this.currentDrag : this.element;

    e.setStyle({width: width + this.widthW + this.widthE + "px"})
    e.setStyle({height: height + this.heightN + this.heightS + "px"})
  }
}

```

```

// Update content size
if (!this.currentDrag || this.currentDrag == this.element) {
  var content = $(this.element.id + '_content');
  content.setStyle({height: height + 'px'});
  content.setStyle({width: width + 'px'});
}
},

updateHeight: function() {
  this.setSize(this.width, this.content.scrollHeight, true);
},

updateWidth: function() {
  this.setSize(this.content.scrollWidth, this.height, true);
},

// Brings window to front
toFront: function() {
  if (this.element.style.zIndex < Windows.maxZIndex)
    this.setZIndex(Windows.maxZIndex + 1);
  if (this.iefix)
    this._fixIEOverlapping();
},

getBounds: function(insideOnly) {
  if (!this.width || !this.height || !this.visible)
    this.computeBounds();
  var w = this.width;
  var h = this.height;

  if (!insideOnly) {
    w += this.widthW + this.widthE;
    h += this.heightN + this.heightS;
  }
  var bounds = Object.extend(this.getLocation(), {width: w + "px",
  height: h + "px"});
  return bounds;
},

computeBounds: function() {
  if (!this.width || !this.height) {
    var size = WindowUtilities._computeSize(this.content.innerHTML,
  this.content.id, this.width, this.height, 0, this.options.className)
    if (this.height)
      this.width = size + 5
    else
      this.height = size + 5
  }

  this.setSize(this.width, this.height);
  if (this.centered)
    this._center(this.centerTop, this.centerLeft);
},

// Displays window modal state or not
show: function(modal) {
  this.visible = true;
  if (modal) {
    // Hack for Safari !!
    if (typeof this.overlayOpacity == "undefined") {
      var that = this;
      setTimeout(function() {that.show(modal)}, 10);
      return;
    }
    Windows.addModalWindow(this);

    this.modal = true;
    this.setZIndex(Windows.maxZIndex + 1);
    Windows.unsetOverflow(this);
  }
  else
    if (!this.element.style.zIndex)
      this.setZIndex(Windows.maxZIndex + 1);

  // To restore overflow if need be
  if (this.oldStyle)
    this.getContent().setStyle({overflow: this.oldStyle});

  this.computeBounds();

  this._notify("onBeforeShow");
  if (this.options.showEffect != Element.show &&
  this.options.showEffectOptions)
    this.options.showEffect(this.element,
  this.options.showEffectOptions);
  else
    this.options.showEffect(this.element);

  this._checkIEOverlapping();
  WindowUtilities.focusedWindow = this
  this._notify("onShow");
},

},

// Displays window modal state or not at the center of the page
showCenter: function(modal, top, left) {
  this.centered = true;
  this.centerTop = top;
  this.centerLeft = left;

  this.show(modal);
},

isVisible: function() {
  return this.visible;
},

_center: function(top, left) {
  var windowScroll =
  WindowUtilities.getWindowScroll(this.options.parent);
  var pageSize = WindowUtilities.getPageSize(this.options.parent);
  if (typeof top == "undefined")
    top = (pageSize.windowHeight - (this.height + this.heightN +
  this.heightS))/2;
  top += windowScroll.top

  if (typeof left == "undefined")
    left = (pageSize.windowWidth - (this.width + this.widthW +
  this.widthE))/2;
  left += windowScroll.left
  this.setLocation(top, left);
  this.toFront();
},

_recenter: function(event) {
  if (this.centered) {
    var pageSize = WindowUtilities.getPageSize(this.options.parent);
    var windowScroll =
    WindowUtilities.getWindowScroll(this.options.parent);

    // Check for this stupid IE that sends dumb events
    if (this.pageSize && this.pageSize.windowWidth ==
    pageSize.windowWidth && this.pageSize.windowHeight ==
    pageSize.windowHeight &&
    this.windowScroll.left == windowScroll.left &&
    this.windowScroll.top == windowScroll.top)
      return;
    this.pageSize = pageSize;
    this.windowScroll = windowScroll;
    // set height of Overlay to take up whole page and show
    if ($('#overlay_modal'))
      $('#overlay_modal').setStyle({height: (pageSize.pageHeight +
  'px')});

    if (this.options.recenterAuto)
      this._center(this.centerTop, this.centerLeft);
  }
},

// Hides window
hide: function() {
  this.visible = false;
  if (this.modal) {
    Windows.removeModalWindow(this);
    Windows.resetOverflow();
  }
  // To avoid bug on scrolling bar
  this.oldStyle = this.getContent().getStyle('overflow') || "auto"
  this.getContent().setStyle({overflow: "hidden"});

  this.options.hideEffect(this.element, this.options.hideEffectOptions);

  if (this.iefix)
    this.iefix.hide();

  if (!this.doNotNotifyHide)
    this._notify("onHide");
},

close: function() {
  // Asks closeCallback if exists
  if (this.visible) {
    if (this.options.closeCallback && !this.options.closeCallback(this))
      return;

    if (this.options.destroyOnClose) {
      var destroyFunc = this.destroy.bind(this);
      if (this.options.hideEffectOptions.afterFinish) {
        var func = this.options.hideEffectOptions.afterFinish;
        this.options.hideEffectOptions.afterFinish = function()
        {func();destroyFunc() }
      }
      else
    }
  }
}

```

```

        this.options.hideEffectOptions.afterFinish = function()
    {destroyFunc() }
    }
    Windows.updateFocusedWindow();

    this.doNotNotifyHide = true;
    this.hide();
    this.doNotNotifyHide = false;
    this._notify("onClose");
}
},

minimize: function() {
    if (this.resizing)
        return;

    var r2 = $(this.getId() + "_row2");

    if (!this.minimized) {
        this.minimized = true;

        var dh = r2.getDimensions().height;
        this.r2Height = dh;
        var h = this.element.getHeight() - dh;

        if (this.useLeft && this.useTop && Window.hasEffectLib &&
            Effect.ResizeWindow) {
            new Effect.ResizeWindow(this, null, null, null, this.height - dh,
                {duration: Window.resizeEffectDuration});
        } else {
            this.height -= dh;
            this.element.setStyle({height: h + "px"});
            r2.hide();
        }

        if (!this.useTop) {
            var bottom = parseFloat(this.element.getStyle('bottom'));
            this.element.setStyle({bottom: (bottom + dh) + 'px'});
        }
    }
    else {
        this.minimized = false;

        var dh = this.r2Height;
        this.r2Height = null;
        if (this.useLeft && this.useTop && Window.hasEffectLib &&
            Effect.ResizeWindow) {
            new Effect.ResizeWindow(this, null, null, null, this.height + dh,
                {duration: Window.resizeEffectDuration});
        }
        else {
            var h = this.element.getHeight() + dh;
            this.height += dh;
            this.element.setStyle({height: h + "px"});
            r2.show();
        }

        if (!this.useTop) {
            var bottom = parseFloat(this.element.getStyle('bottom'));
            this.element.setStyle({bottom: (bottom - dh) + 'px'});
        }
        this.toFront();
    }
    this._notify("onMinimize");

    // Store new location/size if need be
    this._saveCookie()
},

maximize: function() {
    if (this.isMinimized() || this.resizing)
        return;

    if (Prototype.Browser.IE && this.heightN == 0)
        this._getWindowBorderSize();

    if (this.storedLocation != null) {
        this._restoreLocation();
        if(this.iefix)
            this.iefix.hide();
    }
    else {
        this._storeLocation();
        Windows.unsetOverflow(this);

        var windowScroll =
            WindowUtilities.getWindowScroll(this.options.parent);
        var pageSize = WindowUtilities.getPageSize(this.options.parent);
        var left = windowScroll.left;
        var top = windowScroll.top;

        if (this.options.parent != document.body) {
            windowScroll = {top:0, left:0, bottom:0, right:0};
            var dim = this.options.parent.getDimensions();
            pageSize.windowWidth = dim.width;
            pageSize.windowHeight = dim.height;
            top = 0;
            left = 0;
        }

        if (this.constraint) {
            pageSize.windowWidth -= Math.max(0, this.constraintPad.left) +
                Math.max(0, this.constraintPad.right);
            pageSize.windowHeight -= Math.max(0, this.constraintPad.top) +
                Math.max(0, this.constraintPad.bottom);
            left += Math.max(0, this.constraintPad.left);
            top += Math.max(0, this.constraintPad.top);
        }

        var width = pageSize.windowWidth - this.widthW - this.widthE;
        var height = pageSize.windowHeight - this.heightN - this.heightS;

        if (this.useLeft && this.useTop && Window.hasEffectLib &&
            Effect.ResizeWindow) {
            new Effect.ResizeWindow(this, top, left, width, height, {duration:
                Window.resizeEffectDuration});
        }
        else {
            this.setSize(width, height);
            this.element.setStyle(this.useLeft ? {left: left} : {right: left});
            this.element.setStyle(this.useTop ? {top: top} : {bottom: top});
        }

        this.toFront();
        if (this.iefix)
            this._fixIEOverlapping();
    }
    this._notify("onMaximize");

    // Store new location/size if need be
    this._saveCookie()
},

isMinimized: function() {
    return this.minimized;
},

isMaximized: function() {
    return (this.storedLocation != null);
},

setOpacity: function(opacity) {
    if (Element.setOpacity)
        Element.setOpacity(this.element, opacity);
},

setZIndex: function(zindex) {
    this.element.setStyle({zIndex: zindex});
    Windows.updateZIndex(zindex, this);
},

setTitle: function(newTitle) {
    if (!newTitle || newTitle == "")
        newTitle = "&nbsp;";

    Element.update(this.element.id + '_top', newTitle);
},

getTitle: function() {
    return $(this.element.id + '_top').innerHTML;
},

setStatusbar: function(element) {
    var statusBar = $(this.getId() + "_bottom");

    if (typeof(element) == "object") {
        if (this.bottombar.firstChild)
            this.bottombar.replaceChild(element, this.bottombar.firstChild);
        else
            this.bottombar.appendChild(element);
    }
    else
        this.bottombar.innerHTML = element;
},

_checkIEOverlapping: function() {
    if(!this.iefix && (navigator.appVersion.indexOf('MSIE')>0) &&
        (navigator.userAgent.indexOf('Opera')<0) &&
        (this.element.getStyle('position')=='absolute')) {
        new Insertion.After(this.element.id, '<iframe id="' +
            this.element.id + '_iefix' " ' +
            'style="display:none;position:absolute;filter:progid:DXImageTransform.
            Microsoft.Alpha(opacity=0);" ' + 'src="javascript:false;"
            frameborder="0" scrolling="no"></iframe>');
        this.iefix = $(this.element.id+'_iefix');
    }
}

```



```

    }
    if(this.iefix)
        setTimeout(this._fixIEOverlapping.bind(this), 50);
    },
    _fixIEOverlapping: function() {
        Position.clone(this.element, this.iefix);
        this.iefix.style.zIndex = this.element.style.zIndex - 1;
        this.iefix.show();
    },
    _getWindowBorderSize: function(event) {
        // Hack to get real window border size!!
        var div = this._createHiddenDiv(this.options.className + "_n")
        this.heightN = Element.getDimensions(div).height;
        div.parentNode.removeChild(div)

        var div = this._createHiddenDiv(this.options.className + "_s")
        this.heightS = Element.getDimensions(div).height;
        div.parentNode.removeChild(div)

        var div = this._createHiddenDiv(this.options.className + "_e")
        this.widthE = Element.getDimensions(div).width;
        div.parentNode.removeChild(div)

        var div = this._createHiddenDiv(this.options.className + "_w")
        this.widthW = Element.getDimensions(div).width;
        div.parentNode.removeChild(div);

        var div = document.createElement("div");
        div.className = "overlay_" + this.options.className;
        document.body.appendChild(div);
        //alert("no timeout:\nopacity: " + div.getStyle("opacity") + "\nwidth:
" + document.defaultView.getComputedStyle(div, null).width);
        var that = this;

        // Workaround for Safari!!
        setTimeout(function() {that.overlayOpacity = ($
(div).getStyle("opacity")); div.parentNode.removeChild(div);}, 10);

        // Workaround for IE!!
        if (Prototype.Browser.IE) {
            this.heightS = $(this.getId() + "_row3").getDimensions().height;
            this.heightN = $(this.getId() + "_row1").getDimensions().height;
        }

        // Safari size fix
        if (Prototype.Browser.WebKit && Prototype.Browser.WebKitVersion <
420)
            this.setSize(this.width, this.height);
        if (this.doMaximize)
            this.maximize();
        if (this.doMinimize)
            this.minimize();
    },
    _createHiddenDiv: function(className) {
        var objBody = document.body;
        var win = document.createElement("div");
        win.setAttribute('id', this.element.id+ "_tmp");
        win.className = className;
        win.style.display = 'none';
        win.innerHTML = "";
        objBody.insertBefore(win, objBody.firstChild);
        return win;
    },
    _storeLocation: function() {
        if (this.storedLocation == null) {
            this.storedLocation = {useTop: this.useTop, useLeft: this.useLeft,
this.element.getStyle('bottom'),
top: this.element.getStyle('top'), bottom:
this.element.getStyle('bottom'),
left: this.element.getStyle('left'), right:
this.element.getStyle('right'),
width: this.width, height: this.height };
        }
    },
    _restoreLocation: function() {
        if (this.storedLocation != null) {
            this.useLeft = this.storedLocation.useLeft;
            this.useTop = this.storedLocation.useTop;

            if (this.useLeft && this.useTop && Window.hasEffectLib &&
Effect.ResizeWindow)
                new Effect.ResizeWindow(this, this.storedLocation.top,
this.storedLocation.left, this.storedLocation.width,
this.storedLocation.height, {duration: Window.resizeEffectDuration});
            else {
                this.element.setStyle(this.useLeft ? {left:
this.storedLocation.left} : {right: this.storedLocation.right});

                this.element.setStyle(this.useTop ? {top:
this.storedLocation.top} : {bottom: this.storedLocation.bottom});
                this.setSize(this.storedLocation.width, this.storedLocation.height);
            }
        }
        Windows.resetOverflow();
        this._removeStoreLocation();
    },
    _removeStoreLocation: function() {
        this.storedLocation = null;
    },
    _saveCookie: function() {
        if (this.cookie) {
            var value = "";
            if (this.useLeft)
                value += "l:" + (this.storedLocation ? this.storedLocation.left :
this.element.getStyle('left'))
            else
                value += "r:" + (this.storedLocation ? this.storedLocation.right :
this.element.getStyle('right'))
            if (this.useTop)
                value += "t:" + (this.storedLocation ? this.storedLocation.top :
this.element.getStyle('top'))
            else
                value += "b:" + (this.storedLocation ? this.storedLocation.bottom
:this.element.getStyle('bottom'))

            value += "," + (this.storedLocation ? this.storedLocation.width :
this.width);
            value += ";" + (this.storedLocation ? this.storedLocation.height :
this.height);
            value += ";" + this.isMinimized();
            value += ";" + this.isMaximized();
            WindowUtilities.setCookie(value, this.cookie)
        }
    },
    _createWiredElement: function() {
        if (! this.wiredElement) {
            if (Prototype.Browser.IE)
                this._getWindowBorderSize();
            var div = document.createElement("div");
            div.className = "wired_frame " + this.options.className +
"_wired_frame";

            div.style.position = 'absolute';
            this.options.parent.insertBefore(div, this.options.parent.firstChild);
            this.wiredElement = $(div);
        }
        if (this.useLeft)
            this.wiredElement.setStyle({left: this.element.getStyle('left')});
        else
            this.wiredElement.setStyle({right: this.element.getStyle('right')});

        if (this.useTop)
            this.wiredElement.setStyle({top: this.element.getStyle('top')});
        else
            this.wiredElement.setStyle({bottom:
this.element.getStyle('bottom')});

        var dim = this.element.getDimensions();
        this.wiredElement.setStyle({width: dim.width + "px", height:
dim.height + "px"});

        this.wiredElement.setStyle({zIndex: Windows.maxZIndex+30});
        return this.wiredElement;
    },
    _hideWiredElement: function() {
        if (! this.wiredElement || ! this.currentDrag)
            return;
        if (this.currentDrag == this.element)
            this.currentDrag = null;
        else {
            if (this.useLeft)
                this.element.setStyle({left: this.currentDrag.getStyle('left')});
            else
                this.element.setStyle({right: this.currentDrag.getStyle('right')});

            if (this.useTop)
                this.element.setStyle({top: this.currentDrag.getStyle('top')});
            else
                this.element.setStyle({bottom:
this.currentDrag.getStyle('bottom')});

            this.currentDrag.hide();
            this.currentDrag = null;
            if (this.doResize)
                this.setSize(this.width, this.height);
        }
    }
}

```

```

    }
  },
  _notify: function(eventName) {
    if (this.options[eventName])
      this.options[eventName](this);
    else
      Windows.notify(eventName, this);
  }
};

// Windows containers, register all page windows
var Windows = {
  windows: [],
  modalWindows: [],
  observers: [],
  focusedWindow: null,
  maxZIndex: 0,
  overlayShowEffectOptions: {duration: 0.5},
  overlayHideEffectOptions: {duration: 0.5},

  addObserver: function(observer) {
    this.removeObserver(observer);
    this.observers.push(observer);
  },

  removeObserver: function(observer) {
    this.observers = this.observers.reject( function(o) { return
o===observer });
  },

  // onDestroy onStartResize onStartMove onResize onMove
onEndResize onEndMove onFocus onBlur onBeforeShow onShow
onHide onMinimize onMaximize onClose
  notify: function(eventName, win) {
    this.observers.each( function(o) {if(o[eventName]) o[eventName]
(eventName, win);});
  },

  // Gets window from its id
  getWindow: function(id) {
    return this.windows.detect(function(d) { return d.getId() ==id });
  },

  // Gets the last focused window
  getFocusedWindow: function() {
    return this.focusedWindow;
  },

  updateFocusedWindow: function() {
    this.focusedWindow = this.windows.length >= 2 ?
this.windows[this.windows.length-2] : null;
  },

  // Registers a new window (called by Windows constructor)
  register: function(win) {
    this.windows.push(win);
  },

  // Add a modal window in the stack
  addModalWindow: function(win) {
    // Disable screen if first modal window
    if (this.modalWindows.length == 0) {
      WindowUtilities.disableScreen(win.options.className,
'overlay_modal', win.overlayOpacity, win.getId(), win.options.parent);
    }
    else {
      // Move overlay over all windows
      if (Window.keepMultiModalWindow) {
        $('overlay_modal').style.zIndex = Windows.maxZIndex + 1;
        Windows.maxZIndex += 1;
        WindowUtilities._hideSelect(this.modalWindows.last().getId());
      }
      // Hide current modal window
      else
        this.modalWindows.last().element.hide();
      // Fucking IE select issue
      WindowUtilities._showSelect(win.getId());
    }
    this.modalWindows.push(win);
  },

  removeModalWindow: function(win) {
    this.modalWindows.pop();

    // No more modal windows
    if (this.modalWindows.length == 0)
      WindowUtilities.enableScreen();
    else {
      if (Window.keepMultiModalWindow) {
        this.modalWindows.last().toFront();
        WindowUtilities._showSelect(this.modalWindows.last().getId());
      }
      else
        this.modalWindows.last().element.show();
    }
  },

  // Registers a new window (called by Windows constructor)
  register: function(win) {
    this.windows.push(win);
  },

  // Unregisters a window (called by Windows destructor)
  unregister: function(win) {
    this.windows = this.windows.reject(function(d) { return d==win });
  },

  // Closes all windows
  closeAll: function() {
    this.windows.each( function(w) {Windows.close(w.getId()); } );
  },

  closeAllModalWindows: function() {
    WindowUtilities.enableScreen();
    this.modalWindows.each( function(win) {if (win) win.close();});
  },

  // Minimizes a window with its id
  minimize: function(id, event) {
    var win = this.getWindow(id)
    if (win && win.visible)
      win.minimize();
    Event.stop(event);
  },

  // Maximizes a window with its id
  maximize: function(id, event) {
    var win = this.getWindow(id)
    if (win && win.visible)
      win.maximize();
    Event.stop(event);
  },

  // Closes a window with its id
  close: function(id, event) {
    var win = this.getWindow(id);
    if (win)
      win.close();
    if (event)
      Event.stop(event);
  },

  blur: function(id) {
    var win = this.getWindow(id);
    if (!win)
      return;
    if (win.options.blurClassName)
      win.changeClassName(win.options.blurClassName);
    if (this.focusedWindow == win)
      this.focusedWindow = null;
    win._notify("onBlur");
  },

  focus: function(id) {
    var win = this.getWindow(id);
    if (!win)
      return;
    if (this.focusedWindow)
      this.blur(this.focusedWindow.getId());

    if (win.options.focusClassName)
      win.changeClassName(win.options.focusClassName);
    this.focusedWindow = win;
    win._notify("onFocus");
  },

  unsetOverflow: function(except) {
    this.windows.each(function(d) { d.oldOverflow =
d.getContent().getStyle("overflow") || "auto" ;
d.getContent().setStyle({overflow: "hidden"} )});
    if (except && except.oldOverflow)
      except.getContent().setStyle({overflow: except.oldOverflow});
  },

  resetOverflow: function() {
    this.windows.each(function(d) { if (d.oldOverflow)
d.getContent().setStyle({overflow: d.oldOverflow} )});
  },

  updateZindex: function(zindex, win) {
    if (zindex > this.maxZIndex) {
      this.maxZIndex = zindex;
      if (this.focusedWindow)

```

```

        this.blur(this.focusedWindow.getId())
    }
    this.focusedWindow = win;
    if (this.focusedWindow)
        this.focus(this.focusedWindow.getId())
    }
};

var Dialog = {
    dialogId: null,
    onCompleteFunc: null,
    callFunc: null,
    parameters: null,

    confirm: function(content, parameters) {
        // Get Ajax return before
        if (content && typeof content != "string") {
            Dialog_runAjaxRequest(content, parameters, Dialog.confirm);
            return
        }
        content = content || "";

        parameters = parameters || {};
        var okLabel = parameters.okLabel ? parameters.okLabel : "Ok";
        var cancelLabel = parameters.cancelLabel ? parameters.cancelLabel
: "Cancel";

        // Backward compatibility
        parameters = Object.extend(parameters,
parameters.windowParameters || {});
        parameters.windowParameters = parameters.windowParameters ||
{};

        parameters.className = parameters.className || "alert";

        var okButtonClass = "class=" + (parameters.buttonClass ?
parameters.buttonClass + " " : "") + " ok_button"
        var cancelButtonClass = "class=" + (parameters.buttonClass ?
parameters.buttonClass + " " : "") + " cancel_button"
        var content = "\
<div class=" + parameters.className + "_message">" + content
+ "</div>\
<div class=" + parameters.className + "_buttons">\
<input type='button' value=" + okLabel + " "
onclick='Dialog.okCallback()' " + okButtonClass + "/>\
<input type='button' value=" + cancelLabel + " "
onclick='Dialog.cancelCallback()' " + cancelButtonClass + "/>\
</div>\
";
        return this._openDialog(content, parameters)
    },

    alert: function(content, parameters) {
        // Get Ajax return before
        if (content && typeof content != "string") {
            Dialog_runAjaxRequest(content, parameters, Dialog.alert);
            return
        }
        content = content || "";

        parameters = parameters || {};
        var okLabel = parameters.okLabel ? parameters.okLabel : "Ok";

        // Backward compatibility
        parameters = Object.extend(parameters,
parameters.windowParameters || {});
        parameters.windowParameters = parameters.windowParameters ||
{};

        parameters.className = parameters.className || "alert";

        var okButtonClass = "class=" + (parameters.buttonClass ?
parameters.buttonClass + " " : "") + " ok_button"
        var content = "\
<div class=" + parameters.className + "_message">" + content
+ "</div>\
<div class=" + parameters.className + "_buttons">\
<input type='button' value=" + okLabel + " "
onclick='Dialog.okCallback()' " + okButtonClass + "/>\
</div>";
        return this._openDialog(content, parameters)
    },

    info: function(content, parameters) {
        // Get Ajax return before
        if (content && typeof content != "string") {
            Dialog_runAjaxRequest(content, parameters, Dialog.info);
            return
        }
        content = content || "";

        // Backward compatibility
        parameters = parameters || {};
        parameters = Object.extend(parameters,
parameters.windowParameters || {});
        parameters.windowParameters = parameters.windowParameters ||
{};

        parameters.className = parameters.className || "alert";

        var content = "<div id='modal_dialog_message' class=" +
parameters.className + "_message">" + content + "</div>";
        if (parameters.showProgress)
            content += "<div id='modal_dialog_progress' class=" +
parameters.className + "_progress"> </div>";

        parameters.ok = null;
        parameters.cancel = null;

        return this._openDialog(content, parameters)
    },

    setInfoMessage: function(message) {
        $('modal_dialog_message').update(message);
    },

    closeInfo: function() {
        Windows.close(this.dialogId);
    },

    _openDialog: function(content, parameters) {
        var className = parameters.className;

        if (! parameters.height && ! parameters.width) {
            parameters.width =
WindowUtilities.getPageSize(parameters.options.parent ||
document.body).pageWidth / 2;
        }
        if (parameters.id)
            this.dialogId = parameters.id;
        else {
            var t = new Date();
            this.dialogId = 'modal_dialog_' + t.getTime();
            parameters.id = this.dialogId;
        }

        // compute height or width if need be
        if (! parameters.height || ! parameters.width) {
            var size = WindowUtilities._computeSize(content, this.dialogId,
parameters.width, parameters.height, 5, className)
            if (parameters.height)
                parameters.width = size + 5
            else
                parameters.height = size + 5
        }
        parameters.effectOptions = parameters.effectOptions ;
        parameters.resizable = parameters.resizable || false;
        parameters.minimizable = parameters.minimizable || false;
        parameters.maximizable = parameters.maximizable || false;
        parameters.draggable = parameters.draggable || false;
        parameters.closable = parameters.closable || false;

        var win = new Window(parameters);
        win.getContent().innerHTML = content;

        win.showCenter(true, parameters.top, parameters.left);
        win.setDestroyOnClose();

        win.cancelCallback = parameters.onCancel || parameters.cancel;
        win.okCallback = parameters.onOk || parameters.ok;

        return win;
    },

    _getAjaxContent: function(originalRequest) {
        Dialog.callFunc(originalRequest.responseText, Dialog.parameters)
    },

    _runAjaxRequest: function(message, parameters, callFunc) {
        if (message.options == null)
            message.options = {}
        Dialog.onCompleteFunc = message.options.onComplete;
        Dialog.parameters = parameters;
        Dialog.callFunc = callFunc;

        message.options.onComplete = Dialog._getAjaxContent;
        new Ajax.Request(message.url, message.options);
    },

    okCallback: function() {
        var win = Windows.focusedWindow;
        if (!win.okCallback || win.okCallback(win)) {
            // Remove onclick on button

```

```

    $$("#" + win.getId()+" input").each(function(element)
{element.onclick=null;})
    win.close();
}
},
cancelCallback: function() {
    var win = Windows.focusedWindow;
    // Remove onclick on button
    $$("#" + win.getId()+" input").each(function(element)
{element.onclick=null;})
    win.close();
    if (win.cancelCallback)
        win.cancelCallback(win);
}
}
}
/*
Based on Lightbox JS: Fullsize Image Overlays
by Lokesh Dhakar - http://www.huddletogether.com

For more information on this script, visit:
http://huddletogether.com/projects/lightbox/

Licensed under the Creative Commons Attribution 2.5 License -
http://creativecommons.org/licenses/by/2.5/
(basically, do anything you want, just leave my name and link)
*/

if (Prototype.Browser.WebKit) {
    var array = navigator.userAgent.match(new RegExp(/AppleWebKit/
([v\d.\+]*)));
    Prototype.Browser.WebKitVersion = parseFloat(array[1]);
}

var WindowUtilities = {
    // From dragdrop.js
    getWindowScroll: function(parent) {
        var T, L, W, H;
        parent = parent || document.body;
        if (parent != document.body) {
            T = parent.scrollTop;
            L = parent.scrollLeft;
            W = parent.scrollWidth;
            H = parent.scrollHeight;
        }
        else {
            var w = window;
            with (w.document) {
                if (w.document.documentElement &&
documentElement.scrollTop) {
                    T = documentElement.scrollTop;
                    L = documentElement.scrollLeft;
                } else if (w.document.body) {
                    T = body.scrollTop;
                    L = body.scrollLeft;
                }
            }
            if (w.innerWidth) {
                W = w.innerWidth;
                H = w.innerHeight;
            } else if (w.document.documentElement &&
documentElement.clientWidth) {
                W = documentElement.clientWidth;
                H = documentElement.clientHeight;
            } else {
                W = body.offsetWidth;
                H = body.offsetHeight
            }
        }
    }
    return { top: T, left: L, width: W, height: H };
},
//
// getPageSize()
// Returns array with page width, height and window width, height
// Core code from - quirksmode.org
// Edit for Firefox by pHaез
//
getPageSize: function(parent) {
    parent = parent || document.body;
    var windowWidth, windowHeight;
    var pageHeight, pageWidth;
    if (parent != document.body) {
        windowWidth = parent.getWidth();
        windowHeight = parent.getHeight();
        pageWidth = parent.scrollWidth;
        pageHeight = parent.scrollHeight;
    }
    else {
        var xScroll, yScroll;

        if (window.innerHeight && window.scrollMaxY) {
            xScroll = document.body.scrollWidth;
            yScroll = window.innerHeight + window.scrollMaxY;
        } else if (document.body.scrollHeight >
document.body.offsetHeight) { // all but Explorer Mac
            xScroll = document.body.scrollWidth;
            yScroll = document.body.scrollHeight;
        } else { // Explorer Mac...would also work in Explorer 6 Strict,
Mozilla and Safari
            xScroll = document.body.offsetWidth;
            yScroll = document.body.offsetHeight;
        }

        if (self.innerHeight) { // all except Explorer
            windowWidth = self.innerWidth;
            windowHeight = self.innerHeight;
        } else if (document.documentElement &&
document.documentElement.clientHeight) { // Explorer 6 Strict Mode
            windowWidth = document.documentElement.clientWidth;
            windowHeight = document.documentElement.clientHeight;
        } else if (document.body) { // other Explorers
            windowWidth = document.body.clientWidth;
            windowHeight = document.body.clientHeight;
        }

        // for small pages with total height less then height of the viewport
        if(yScroll < windowHeight){
            pageHeight = windowHeight;
        } else {
            pageHeight = yScroll;
        }

        // for small pages with total width less then width of the viewport
        if(xScroll < windowWidth){
            pageWidth = windowWidth;
        } else {
            pageWidth = xScroll;
        }
    }
    return {pageWidth: pageWidth,pageHeight: pageHeight,
windowWidth: windowWidth, windowHeight: windowHeight};
},

disableScreen: function(className, overlayId, overlayOpacity,
contentId, parent) {
    WindowUtilities.initLightbox(overlayId, className, function()
{this._disableScreen(className, overlayId, overlayOpacity,
contentId}).bind(this), parent || document.body);
},

_disableScreen: function(className, overlayId, overlayOpacity,
contentId) {
    // prep objects
    var objOverlay = $(overlayId);

    var pageSize =
WindowUtilities.getPageSize(objOverlay.parentNode);

    // Hide select boxes as they will 'peek' through the image in IE, store
old value
    if (contentId && Prototype.Browser.IE) {
        WindowUtilities._hideSelect();
        WindowUtilities._showSelect(contentId);
    }

    // set height of Overlay to take up whole page and show
objOverlay.style.height = (pageSize.pageHeight + 'px');
objOverlay.style.display = 'none';
    if (overlayId == "overlay_modal" && Window.hasEffectLib &&
Windows.overlayShowEffectOptions) {
        objOverlay.overlayOpacity = overlayOpacity;
        new Effect.Appear(objOverlay, Object.extend({from: 0, to:
overlayOpacity}, Windows.overlayShowEffectOptions));
    }
    else
        objOverlay.style.display = "block";
},

enableScreen: function(id) {
    id = id || 'overlay_modal';
    var objOverlay = $(id);
    if (objOverlay) {
        // hide lightbox and overlay
        if (id == "overlay_modal" && Window.hasEffectLib &&
Windows.overlayHideEffectOptions)
            new Effect.Fade(objOverlay, Object.extend({from:
objOverlay.overlayOpacity, to:0}, Windows.overlayHideEffectOptions));
        else {
            objOverlay.style.display = 'none';
            objOverlay.parentNode.removeChild(objOverlay);
        }
    }

    // make select boxes visible using old value
}
}

```

```

    if (id != "_invisible_")
        WindowUtilities._showSelect();
    }
},

_hideSelect: function(id) {
    if (Prototype.Browser.IE) {
        id = id == null ? "" : "#" + id + " ";
        $$ (id + 'select').each(function(element) {
            if (! WindowUtilities.isDefined(element.oldVisibility)) {
                element.oldVisibility = element.style.visibility ?
                element.style.visibility : "visible";
                element.style.visibility = "hidden";
            }
        });
    }
},

_showSelect: function(id) {
    if (Prototype.Browser.IE) {
        id = id == null ? "" : "#" + id + " ";
        $$ (id + 'select').each(function(element) {
            if (WindowUtilities.isDefined(element.oldVisibility)) {
                // Why?? Ask IE
                try {
                    element.style.visibility = element.oldVisibility;
                } catch(e) {
                    element.style.visibility = "visible";
                }
                element.oldVisibility = null;
            }
            else {
                if (element.style.visibility)
                    element.style.visibility = "visible";
            }
        });
    }
},

isDefined: function(object) {
    return typeof(object) != "undefined" && object != null;
},

// initLightbox()
// Function runs on window load, going through link tags looking for
rel="lightbox".
// These links receive onclick events that enable the lightbox display
for their targets.
// The function also inserts html markup at the top of the page which
will be used as a
// container for the overlay pattern and the inline image.
initLightbox: function(id, className, doneHandler, parent) {
    // Already done, just update zIndex
    if ($(id)) {
        Element.setStyle(id, {zIndex: Windows.maxZIndex + 1});
        Windows.maxZIndex++;
        doneHandler();
    }
    // create overlay div and hardcode some functional styles (aesthetic
    styles are in CSS file)
    else {
        var objOverlay = document.createElement("div");
        objOverlay.setAttribute('id', id);
        objOverlay.className = "overlay_" + className
        objOverlay.style.display = 'none';
        objOverlay.style.position = 'absolute';
        objOverlay.style.top = '0';
        objOverlay.style.left = '0';
        objOverlay.style.zIndex = Windows.maxZIndex + 1;
        Windows.maxZIndex++;
        objOverlay.style.width = '100%';
        parent.insertBefore(objOverlay, parent.firstChild);
        if (Prototype.Browser.WebKit && id == "overlay_modal") {
            setTimeout(function() {doneHandler()}, 10);
        }
        else
            doneHandler();
    }
},

setCookie: function(value, parameters) {
    document.cookie= parameters[0] + "=" + escape(value) +
    ((parameters[1] ? "; expires=" + parameters[1].toGMTString() : "")
+
    ((parameters[2] ? "; path=" + parameters[2] : "") +
    ((parameters[3] ? "; domain=" + parameters[3] : "") +
    ((parameters[4] ? "; secure" : ""));
},

getCookie: function(name) {
    var dc = document.cookie;
    var prefix = name + "=";
    var begin = dc.indexOf(prefix);
    if (begin == -1) {
        begin = dc.indexOf(prefix);
        if (begin != 0) return null;
    } else {
        begin += 2;
    }
    var end = document.cookie.indexOf(";", begin);
    if (end == -1) {
        end = dc.length;
    }
    return unescape(dc.substring(begin + prefix.length, end));
},

_computeSize: function(content, id, width, height, margin, className)
{
    var objBody = document.body;
    var tmpObj = document.createElement("div");
    tmpObj.setAttribute('id', id);
    tmpObj.className = className + "_content";

    if (height)
        tmpObj.style.height = height + "px"
    else
        tmpObj.style.width = width + "px"

    tmpObj.style.position = 'absolute';
    tmpObj.style.top = '0';
    tmpObj.style.left = '0';
    tmpObj.style.display = 'none';

    tmpObj.innerHTML = content;
    objBody.insertBefore(tmpObj, objBody.firstChild);

    var size;
    if (height)
        size = $(tmpObj).getDimensions().width + margin;
    else
        size = $(tmpObj).getDimensions().height + margin;
    objBody.removeChild(tmpObj);
    return size;
}
}

```

XI. ACKNOWLEDGEMENT

At long last I am here at the moment where I can finally write my acknowledgement. Through this, I would be able to express how much I overwhelmingly appreciate all the help, support and encouragement of the people around me.

First, I would like to thank Ate Eva Remulador's family and of course, my family for all the endless support. I dedicate this SP to you.

To Mr. Philip Zamora, thank you po. Although saglit ko lang kayong naging adviser, kayo po yung tumulong bumuo ng magawa ko ung first step in accomplishing my SP. To Mr. Geoffrey Solano, thank you very much for accepting me as your advisee with open arms?:D Thank you for all the effort and time you've spent in checking my SP and everything. To Sir JM Patino, thanks po sa pag-proxy kay Sir Solano nung final defense. To all the panels, thank you for being a very understanding panel and for all the suggestions. It's amazing you are able to understand how we understand our own SPs.

I also would like to express my sincere gratitude to Dr. Ethel Mendoza. For all the suggestions, for all the emails, for all the meetings and for all the text messages and calls. :D Sorry po sa pangungulit. Thank you for being so nice to me.

Sa lahat ng laging nagtatanong kung tapos na ang SP ko - relatives, RC friends, salamat sa pressure. Medyo natulungan ako.hehe

To my college friends and blockmates, acknowledgment available upon request.hahaha Meet na lang tayo para mapag-usapan. Special thanks to Richelle Argones. Salamat sa SMS function! Sorry hindi mahaba. Nagmamadali kasi. Bawi na lang ako sa ibang bagay.;p To Revilyn Malinao, salamat acknowledgement.hehehe

To my officemates, thanks for all the helpful and undeniably useful suggestions. To Ate Karen, salamat sa willingness na tulungan akong magawa ng SP kahit toxic. :p

To all those people whom I have not mentioned but had helped me in my SP in any way, please forgive me if I failed to include you here. Even so, thank you.

To God, your Love can never be paralleled. My very present help in time of need. I can remember, there were many times na I feel like I cant continue anymore, but honestly, during those moments, all I did was ask you to be with me, and you were there with me. You are an amazing God. I just cant thank you enough. I love you Lord. Tsup!:*

Carolyn V. Bayot