

About the project

Our project **Advanced Hospital Management System** includes registration of patients, storing their details into the system and also computerized billing in the pharmacy, and labs. Our software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a search facility to know the current status of each room. User can search availability of a doctor and the details of a patient using the id.

The Advanced Hospital Management System can be entered using a username and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast.

EXISTING SYSTEM

. Existing system refers to the system that is being followed till now. Presently all the hospital functionalities are done manually. That is if a patient want to consult a doctor he can visit their till his chance called. This is make the person very difficult. Out_Patient and In_Patient tickets are distributed directly. The main disadvantage is time consuming.

LIMITATIONS OF EXISTING SYSTEM

- Lack of security of data.
- Time consuming.
- Consumes large volume of paper work.
- Manual work
- No direct role for the higher officials.

To avoid all these limitations and make the system working more accurately it needs to be computerized.

OBJECTIVES OF PROPOSED SYSTEM

The Hospital management system software is user-friendly software. The main objectives of the system is which shows and helps you to collect most of the information about Hospitality and Medical Services The system

is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations.

The main objectives of the proposed system can be enumerated as follows:

- Patients are easily allocated to the doctors.
- Doctors Search is possible.
- Today's patient list help doctors to search their patients

ADVANTAGES OF PROPOSED SYSTEM

The system is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations.

- Security of data.
- Ensure data accuracy's.
- Administrator controls the entire system.
- Reduce the damages of the machines.
- Minimize manual data entry.
- Greater efficiency.
- User friendly and interactive.
- Minimum time required.

SOFTWARE REQUIREMENT SPECIFICATIONS

SOFTWARE SPECIFICATIONS

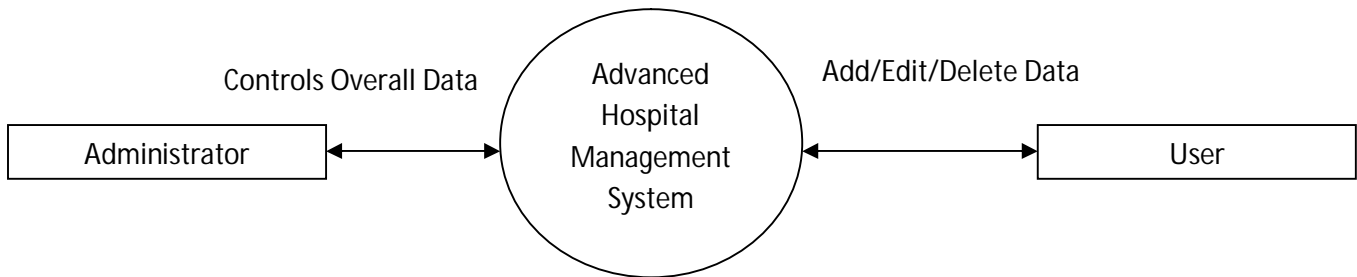
Operating System	:	Windows 2000/XP
Font end	:	Visual Basic 6.0
Back end	:	MS Access
Design Tool	:	Data Flow Diagram

HARDWARE SPECIFICATIONS

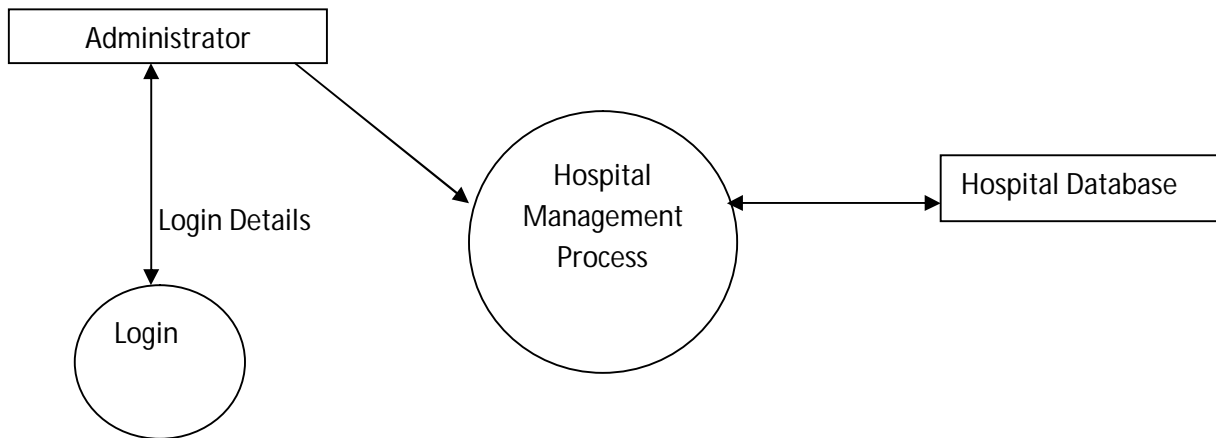
Processor	:	X86 Compatible processor with 1.7 GHz Clock speed
RAM	:	512 MB or more
Hard disk	:	20 GB or more
Monitor	:	VGA/SVGA
Keyboard	:	104 Keys
Mouse	:	2 buttons/ 3 buttons

DATA FLOW DIAGRAM

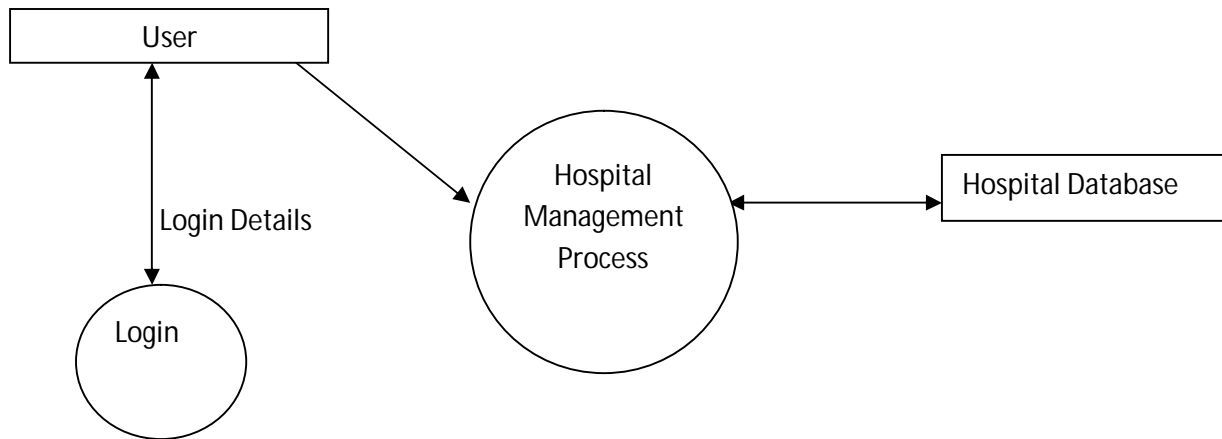
CONTEXT DIAGRAM

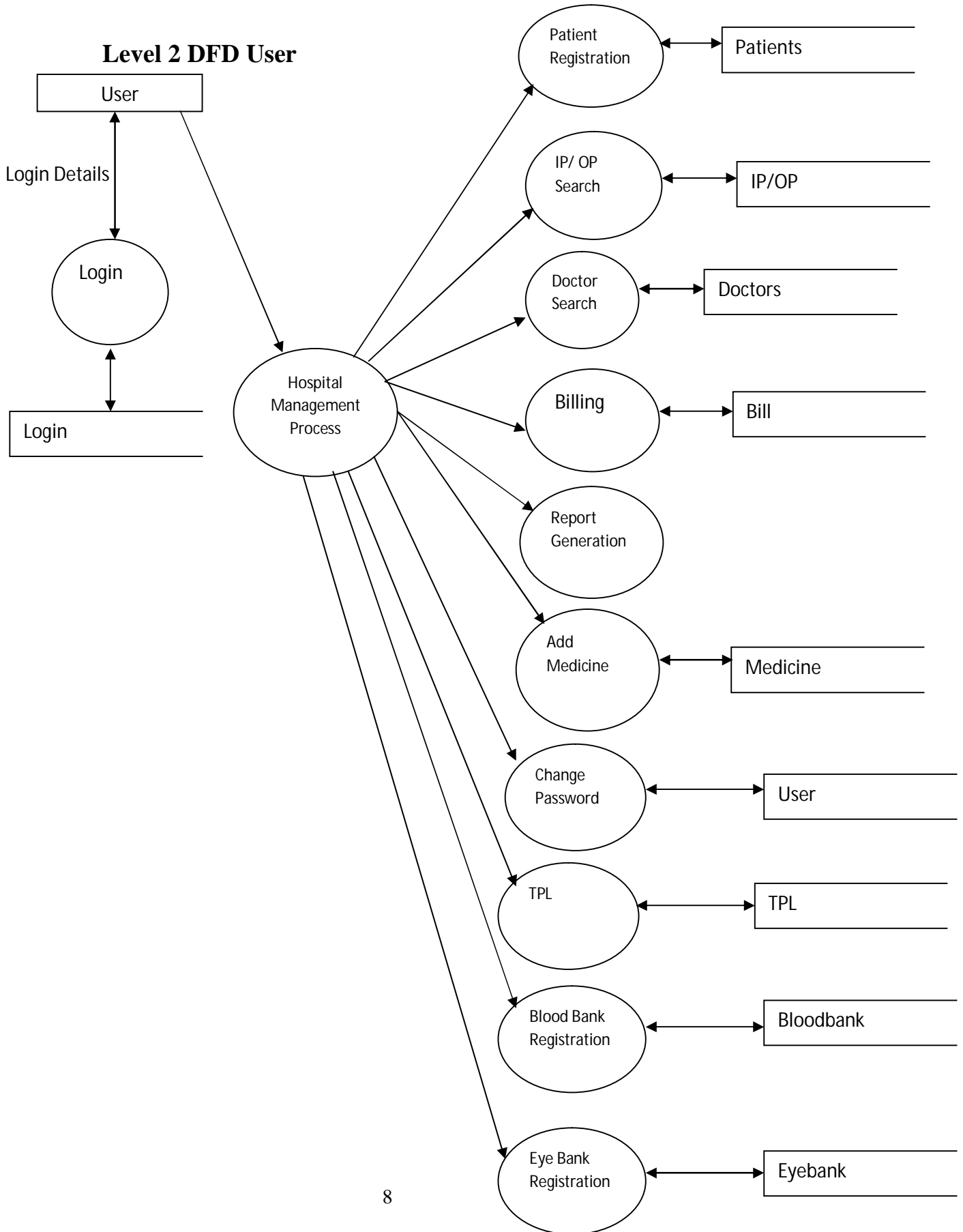


Level 1 DFD Administrator

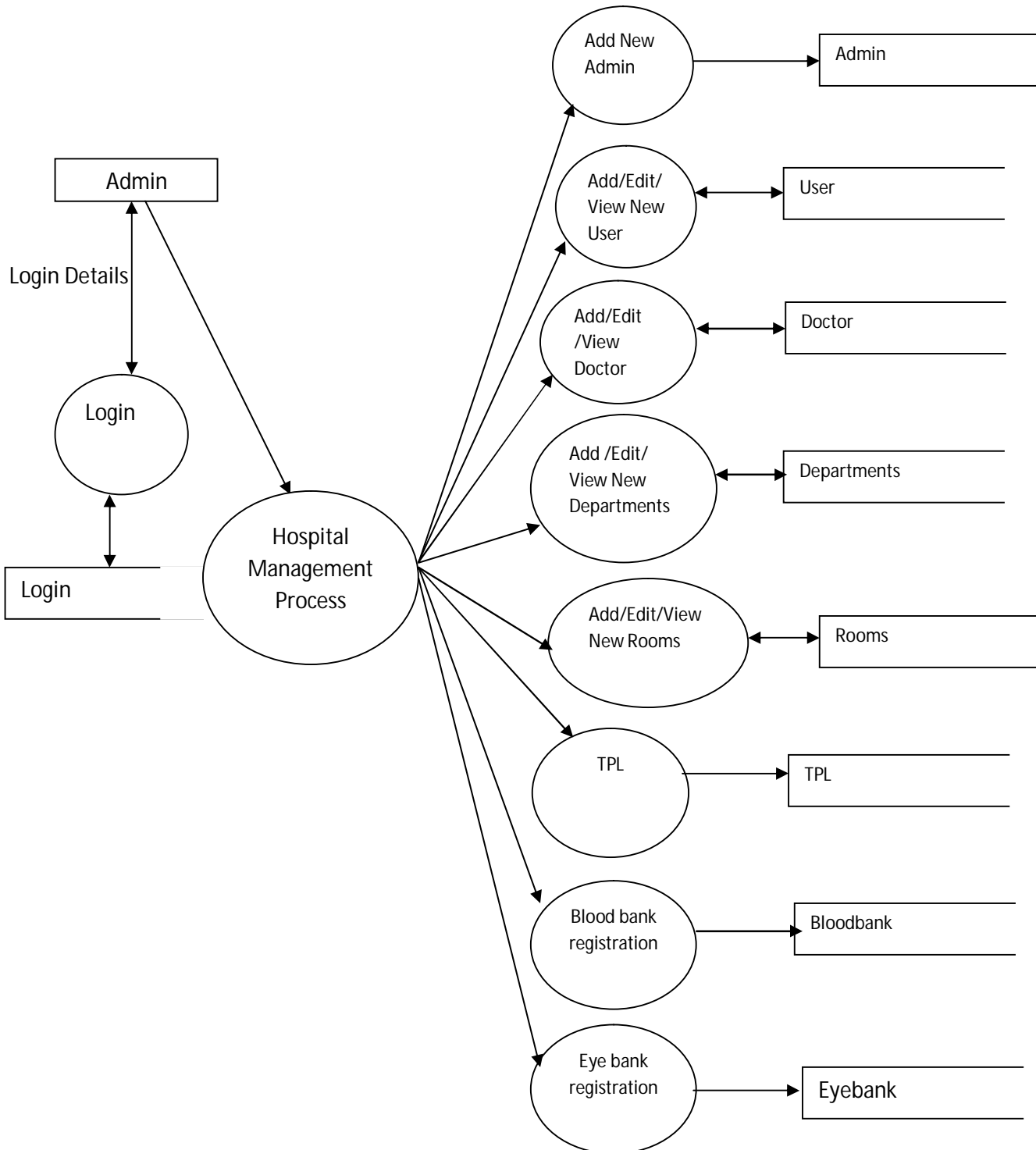


Level 1 DFD User

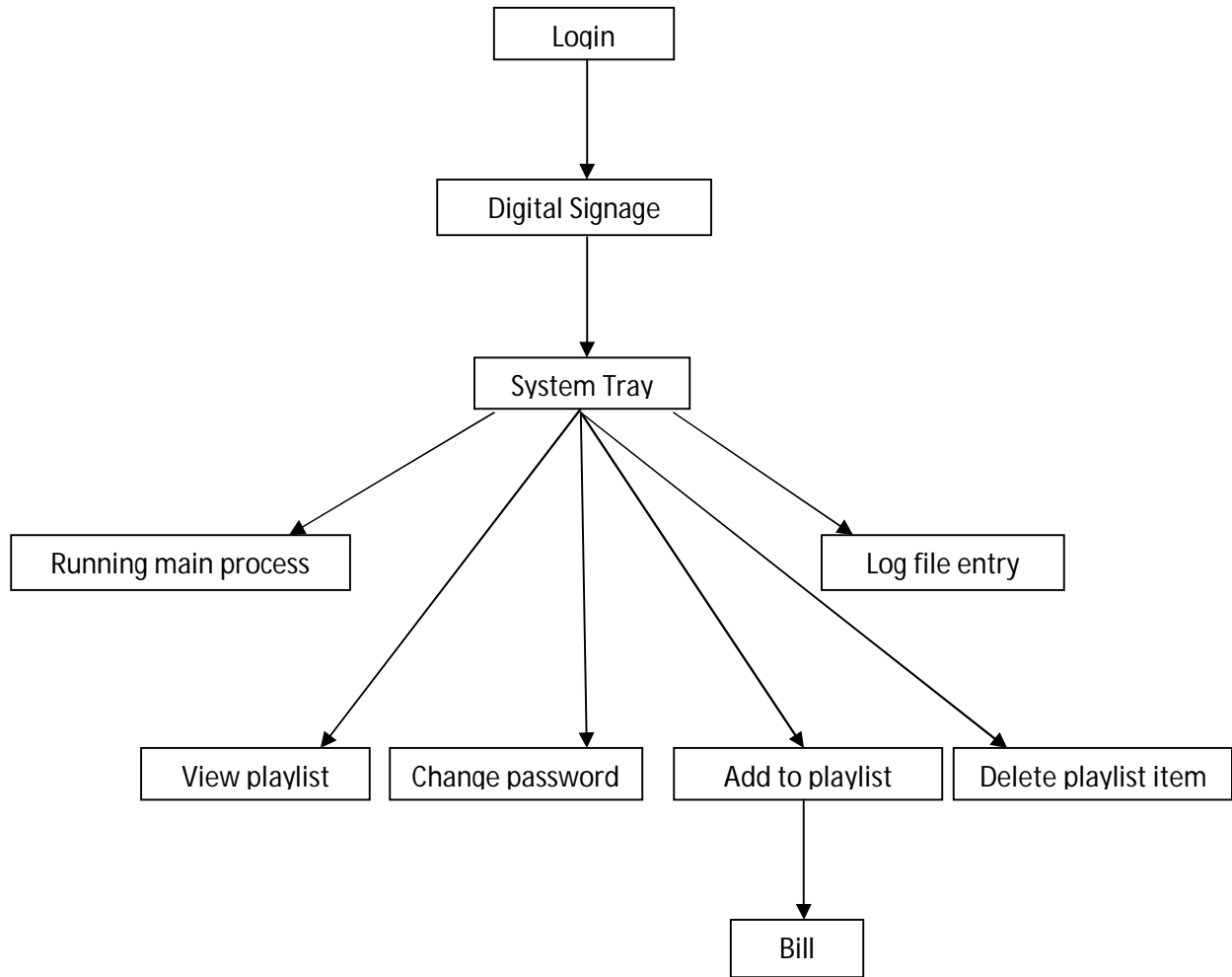




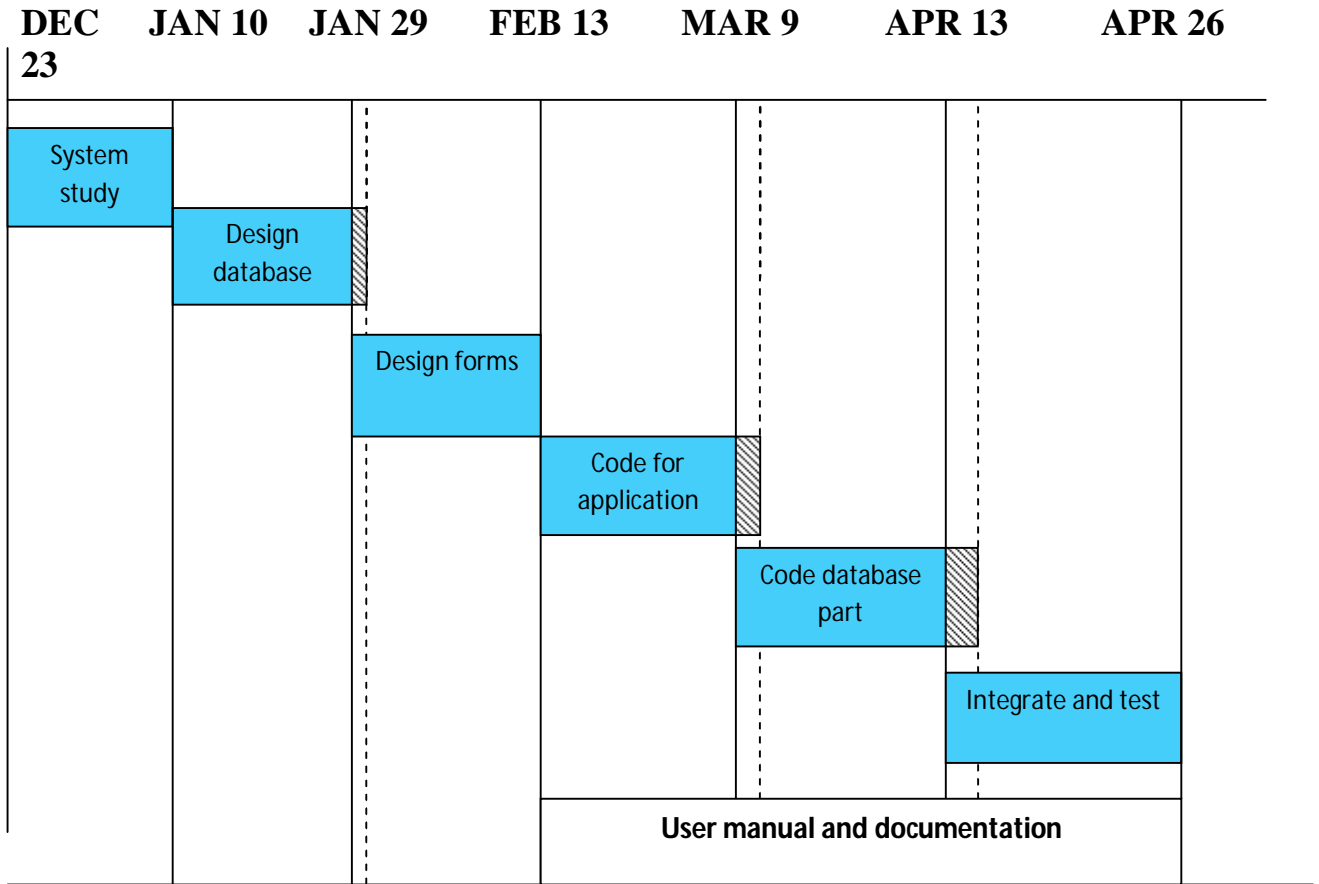
Level 2 DFD Admin



SYSTEM STRUCTURE CHART



GANTT CHART



APPENDIX

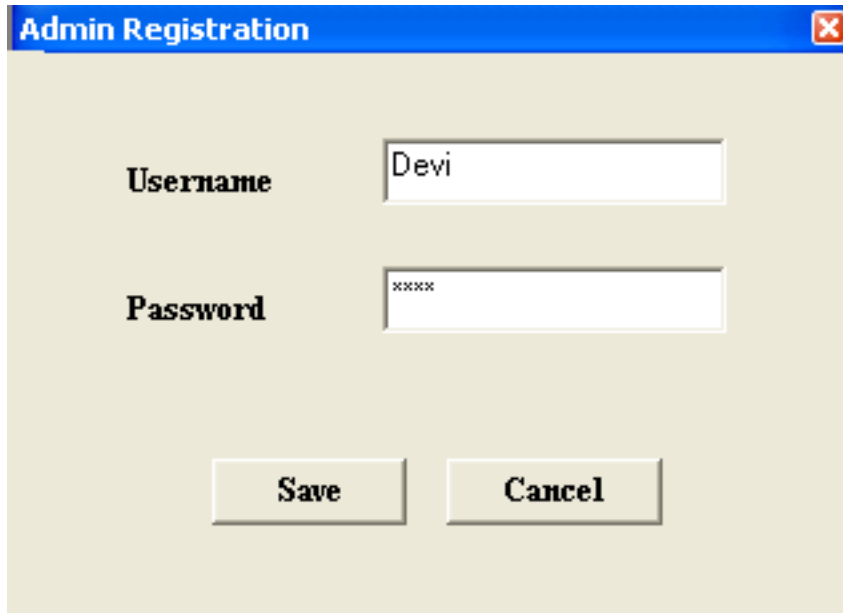
Screen layouts

Login



The image shows a screenshot of a login form window. The window has a blue title bar with the text "LOGIN-FORM" and a close button. The main area has a light beige background. At the top center, the word "Login" is displayed in a large, bold, black serif font. Below this, there are two input fields. The first is labeled "UserName" and contains the text "Abu". The second is labeled "Password" and contains a series of asterisks "*****". At the bottom of the form, there are three buttons: "AdminLogin", "StaffLogin", and "Cancel", all in a black serif font.

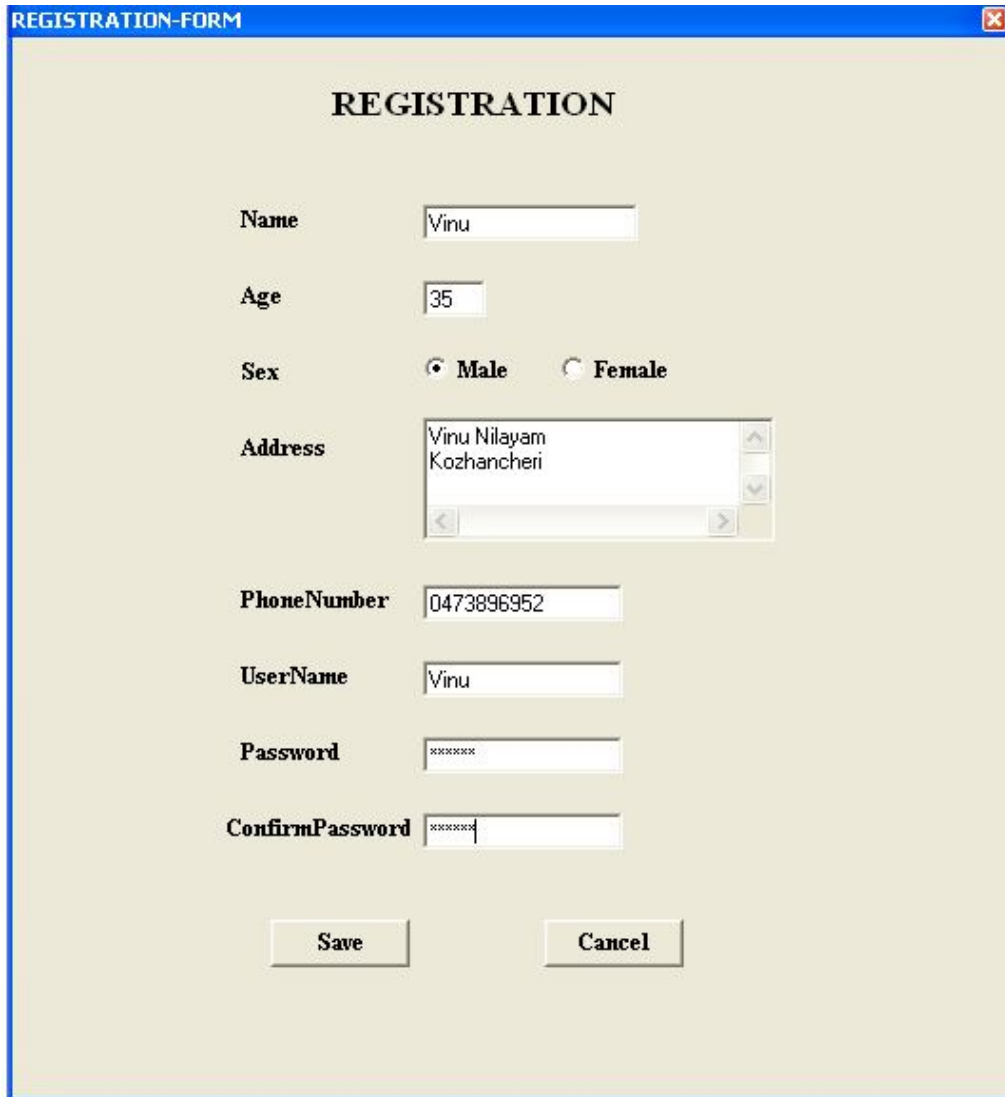
Admin registration



The image shows a dialog box titled "Admin Registration" with a blue header bar and a close button in the top right corner. The dialog has a light beige background. It contains two input fields: "Username" with the text "Devi" and "Password" with masked characters "xxxx". At the bottom, there are two buttons: "Save" and "Cancel".

Username	<input type="text" value="Devi"/>
Password	<input type="password" value="xxxx"/>

User Registration



The image shows a screenshot of a user registration form window titled "REGISTRATION-FORM". The form is titled "REGISTRATION" and contains the following fields and controls:

- Name:** A text input field containing the value "Vinu".
- Age:** A text input field containing the value "35".
- Sex:** Two radio button options: "Male" (selected) and "Female".
- Address:** A text area containing the value "Vinu Nilayam Kozhancheri".
- PhoneNumber:** A text input field containing the value "0473896952".
- UserName:** A text input field containing the value "Vinu".
- Password:** A text input field containing a series of asterisks "*****".
- ConfirmPassword:** A text input field containing a series of asterisks "*****".

At the bottom of the form, there are two buttons: "Save" and "Cancel".

Doctor Registration

DOCTOR'S REGISTRATION

Dr.Name	<input type="text" value="Chandrasekar"/>
Sex	<input checked="" type="radio"/> Male <input type="radio"/> Female
Department	<input type="text" value="general medicine"/>
Consultation day	<input type="text" value="Wednesday"/>
ConsultationTime	From <input type="text" value="9"/> Example(10:30 am) To <input type="text" value="12"/> Example(1:30 pm)
Address	<input type="text" value="Vishal bhavan
Trivandrum"/>
ContactNumbe:	<input type="text" value="9995666999"/>
EmergencyNumber	<input type="text" value="425686"/>
Consultation fee	<input type="text" value="500"/>
Total Patients	<input type="text" value="25"/>
Date	<input type="text" value="9 /17/2008"/>

Edit Doctor

EDIT DOCTOR FORM

EDIT DOCTOR

Doctor name

Time

Address

Contact no

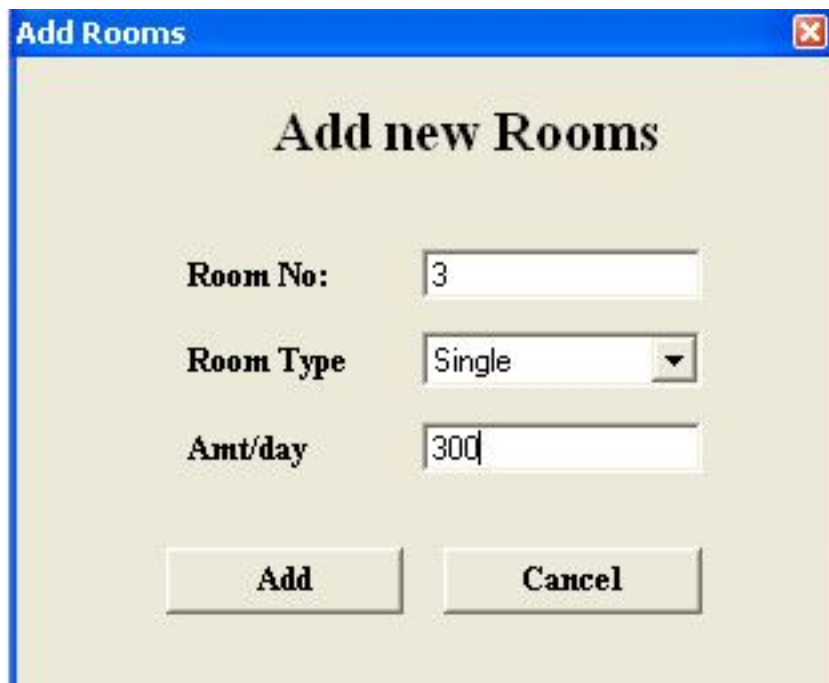
Emergency no

Add Departments



The image shows a software window titled "DEPARTMENT" with a close button in the top right corner. The main heading inside the window is "Add New Department". Below the heading, there are three input fields: "Dept" with the text "Ortho", "Hod" with a dropdown menu showing "Arun", and "Floor" with the number "3". At the bottom of the window, there are two buttons: "Save" and "Cancel".

Add Rooms



Add Rooms

Add new Rooms

Room No:

Room Type

Amt/day

Room Allocations

ROOM ALLOCATION

PatientID 121

RoomNo 55

RoomType Single room

Amt/day 360

Save Cancel

Patient Registration

Form1

New Patient | Existing Patient

PATIENT REGISTRATION

Name

Age

Sex Male Female

Address

IP OP

Room No

Dr. preferred

PatientID

Reg. Fee

Admin date

Edit Patient Details

EDIT PATIENT

Patient id 7

Address
Sulekha Nivas
Vaiyettu
Venjaramoodu

Update **Cancel**

IP Search

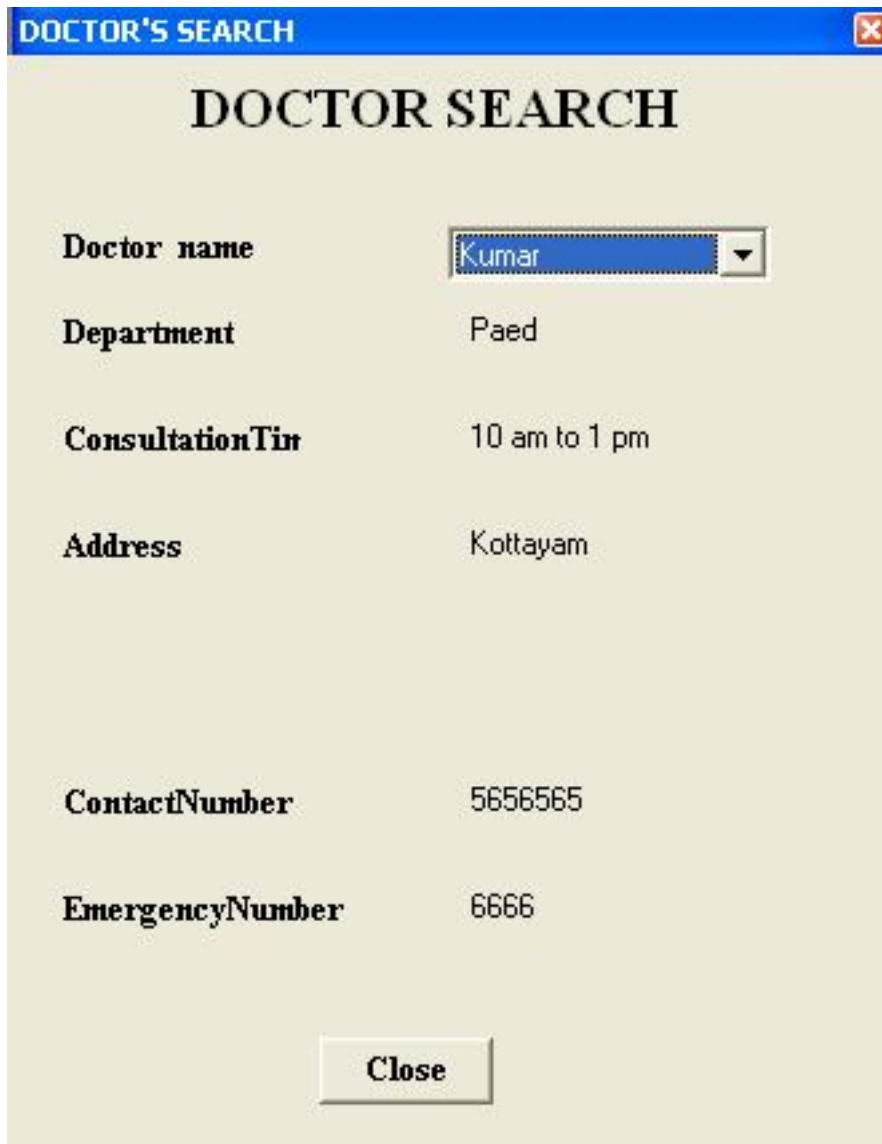


The image shows a screenshot of a software dialog box titled "IP SEARCH". The dialog box has a blue title bar with a close button (X) in the top right corner. The main area is light beige and contains the following fields:

- PatientID**: A dropdown menu with the value "2" selected.
- Name**: A text input field containing "ganesh".
- Address**: A text area containing "Vishnu Nivas" and "Tivandrum".
- Room No**: A text input field containing "8".

At the bottom center of the dialog box is a button labeled "Close".

Doctor Search



The screenshot shows a window titled "DOCTOR'S SEARCH" with a close button in the top right corner. The window contains the following search criteria:

Field	Value
Doctor name	Kumar
Department	Paed
Consultation Time	10 am to 1 pm
Address	Kottayam
Contact Number	5656565
Emergency Number	6666

At the bottom of the window, there is a "Close" button.

IP Billing

IP BILL

BillNo

PatientID

Name

Doctor

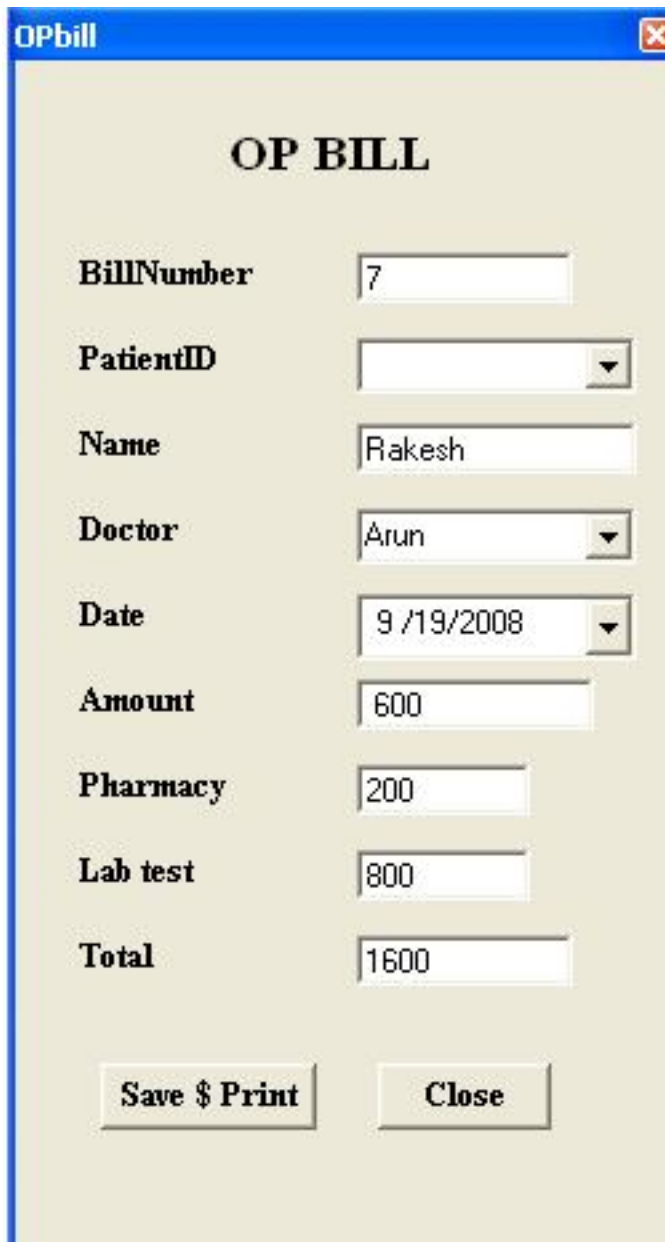
Reg Date

Room

Amount

Total

OP Billing



The image shows a screenshot of a software window titled "OPbill". The window has a blue title bar with a close button in the top right corner. The main content area is light beige and contains the following fields:

- OP BILL** (Section Header)
- BillNumber**: Text input field containing "7".
- PatientID**: Dropdown menu (empty).
- Name**: Text input field containing "Rakesh".
- Doctor**: Dropdown menu containing "Arun".
- Date**: Dropdown menu containing "9 /19/2008".
- Amount**: Text input field containing "600".
- Pharmacy**: Text input field containing "200".
- Lab test**: Text input field containing "800".
- Total**: Text input field containing "1600".

At the bottom of the form, there are two buttons: "Save \$ Print" and "Close".

Lab Billing

LAB BILL

Lab Bill

BillNumber

PatientID

Lab Test Name

Amt

SI No	Test Names	Amt
1	Blood	200

Total 200

Medicine Update

MEDI

MEDICINE UPDATE

Medicine

Medicine type

Amt/unit

Expiry Date

Stock

Pharmacy Billing

PHARBILL [Close]

Pharmacy Bill

Date 9 /15/2008 ▾

BillNumber 31

PatientID 4 ▾

Medicine cetzine ▾

Quantity 12

Price 50

Sl No	Medicine	Qty	Amount

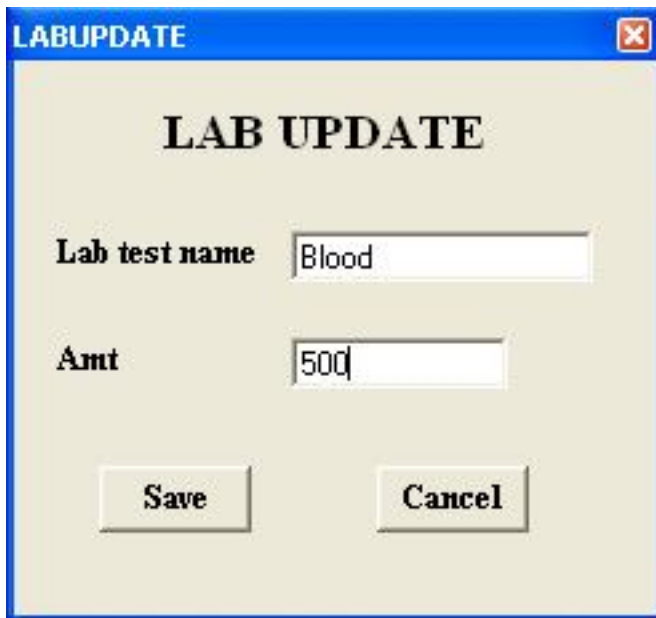
Total

Change Password



The image shows a screenshot of a software dialog box titled "PASSWORD_EDIT". The dialog box has a blue title bar with a close button in the top right corner. The main content area has a light beige background and is titled "Change Password" in a bold, black font. Below the title, there are four input fields, each with a label to its left: "Username" (containing the text "Anu"), "Present Password" (containing a series of asterisks), "New Password" (containing a series of asterisks), and "Confirm Password" (containing a series of asterisks). At the bottom of the dialog box, there are two buttons: "Change" and "Cancel".

Lab Update



LABUPDATE

LAB UPDATE

Lab test name

Amt

Save **Cancel**

Discharge Sheet

DISCHARGE SHEET

Patient Id 23

Name Rahul

Doctor Udhayashankar

Remarks BED REST

Date 9 /17/2008

Total Bill 5000

Save \$ Print cancel

Today's Patient List



The image shows a screenshot of a software application window. The window has a blue title bar with the text 'TPL' and standard Windows window control buttons (minimize, maximize, close). The main content area has a light beige background and is titled 'TODAYS PATIENT LIST' in bold, black, uppercase letters. Below the title, there is a label 'Doctor's Name:' followed by a dropdown menu containing the text 'Kumar'. To the right of the dropdown menu is a large, empty rectangular area with a dashed border, intended for displaying a list of patients. At the bottom center of the window, there is a rectangular button labeled 'OK'.

Blood Bank Registration

Blood Bank

BLOOD BANK REGISTRATION

Name:

Age:

Sex: Male
 Female

Address:

Phone No:

Blood Group:

OK

Eye Registration

The image shows a screenshot of a software window titled "Form1" with a blue title bar. The window contains a form titled "EYE REGISTRATION" in bold black text. The form has a light beige background and contains the following fields and controls:

- Name:** A text input field containing the text "Deepu".
- Age:** A text input field containing the number "40".
- Sex:** Two radio button options: "Male" (which is selected) and "Female".
- Address:** A multi-line text area containing the text "Deepu Bhavan", "N S junction", and "pothencode".
- Phone No:** A text input field containing the number "0471585868".
- OK Button:** A rectangular button with the text "OK" centered on it, located at the bottom of the form.