

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

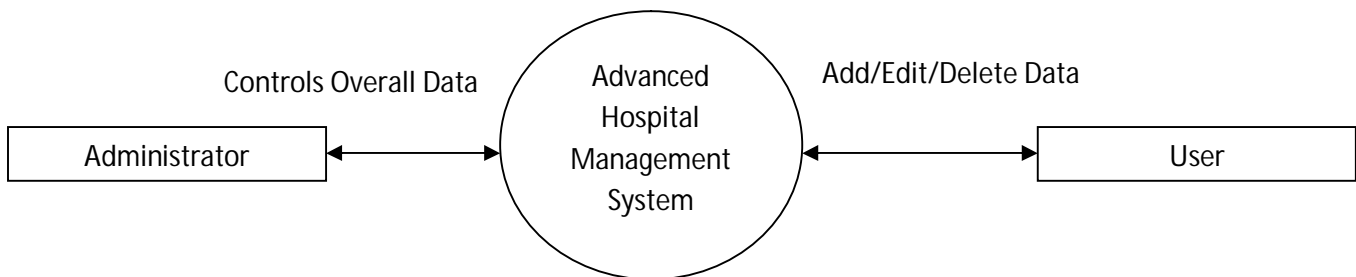
Operating System	:	Windows 2000/XP
Font end	:	Visual Basic 6.0
Back end	:	MS Access
Design Tool	:	Data Flow Diagram

HARDWARE SPECIFICATIONS

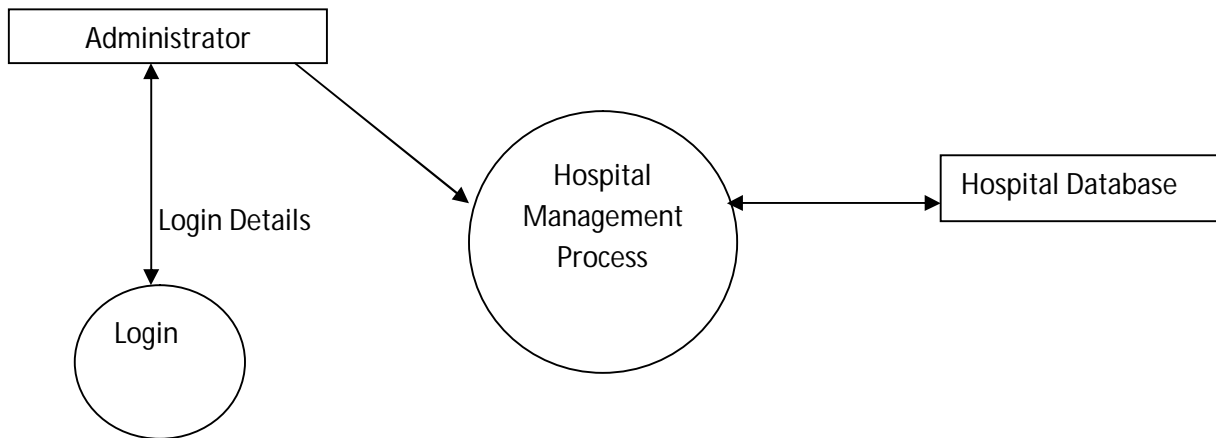
Processor	:	X86 Compatible processor with 1.7 GHz Clock speed
RAM	:	512 MB or more
Hard disk	:	20 GB or more
Monitor	:	VGA/SVGA
Keyboard	:	104 Keys
Mouse	:	2 buttons/ 3 buttons

DATA FLOW DIAGRAM

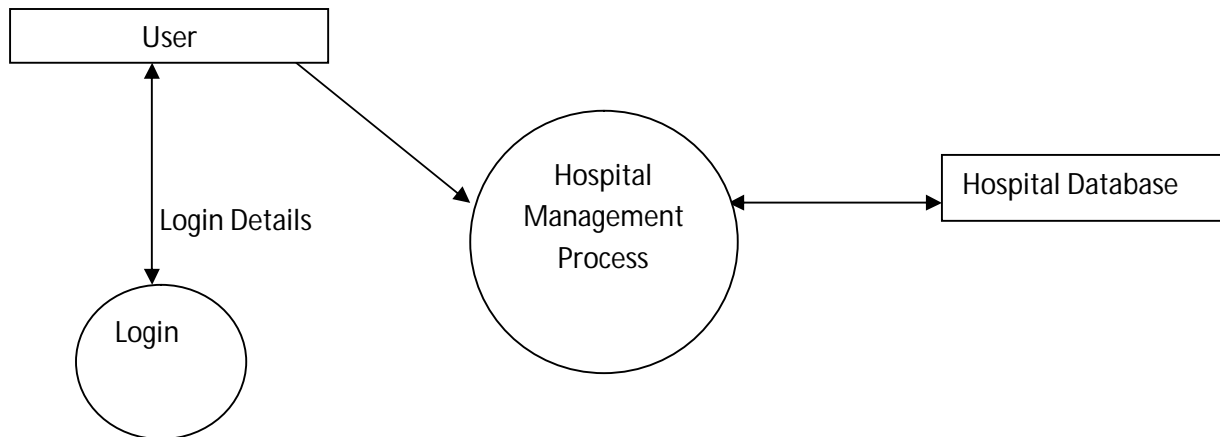
CONTEXT DIAGRAM

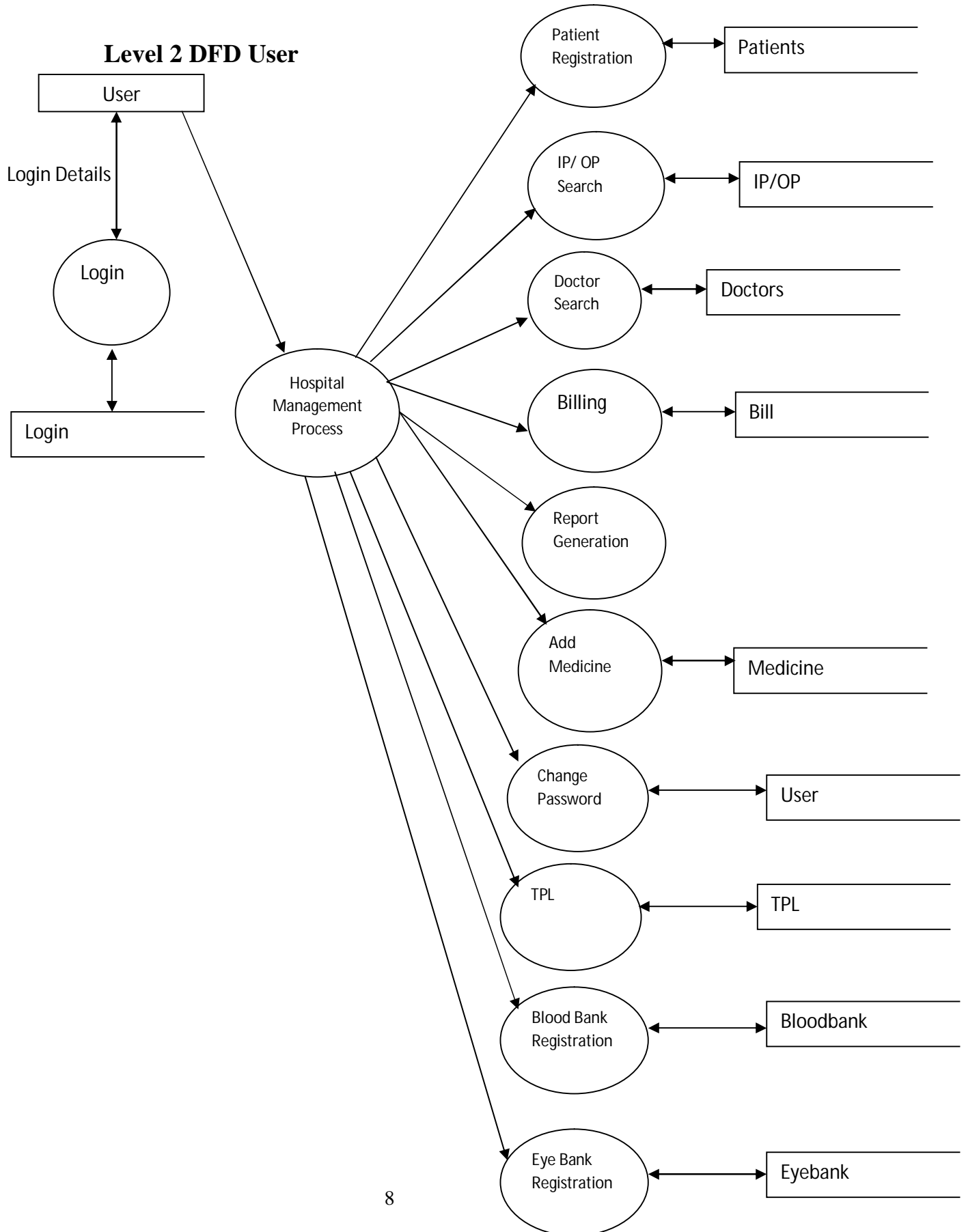


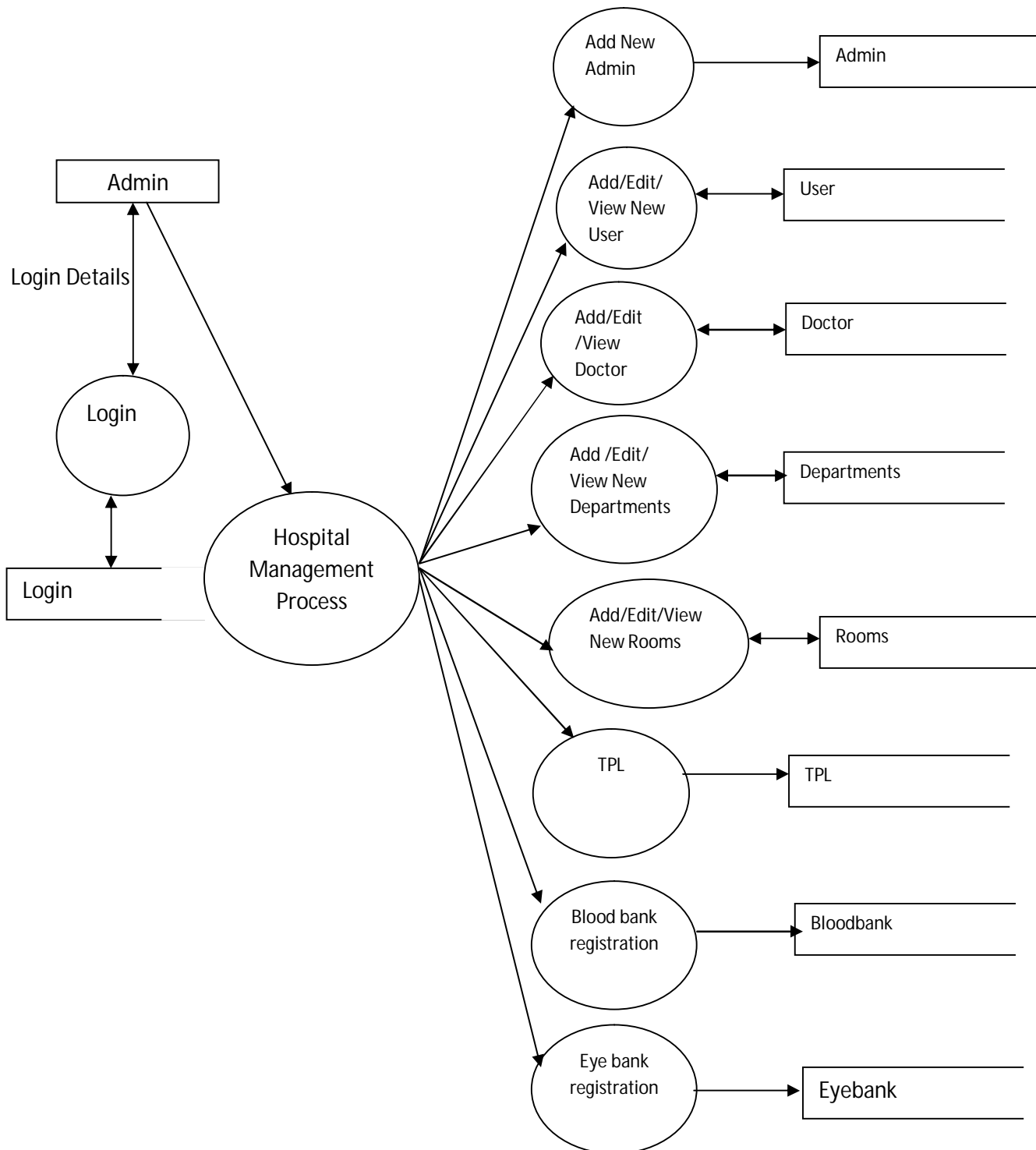
Level 1 DFD Administrator



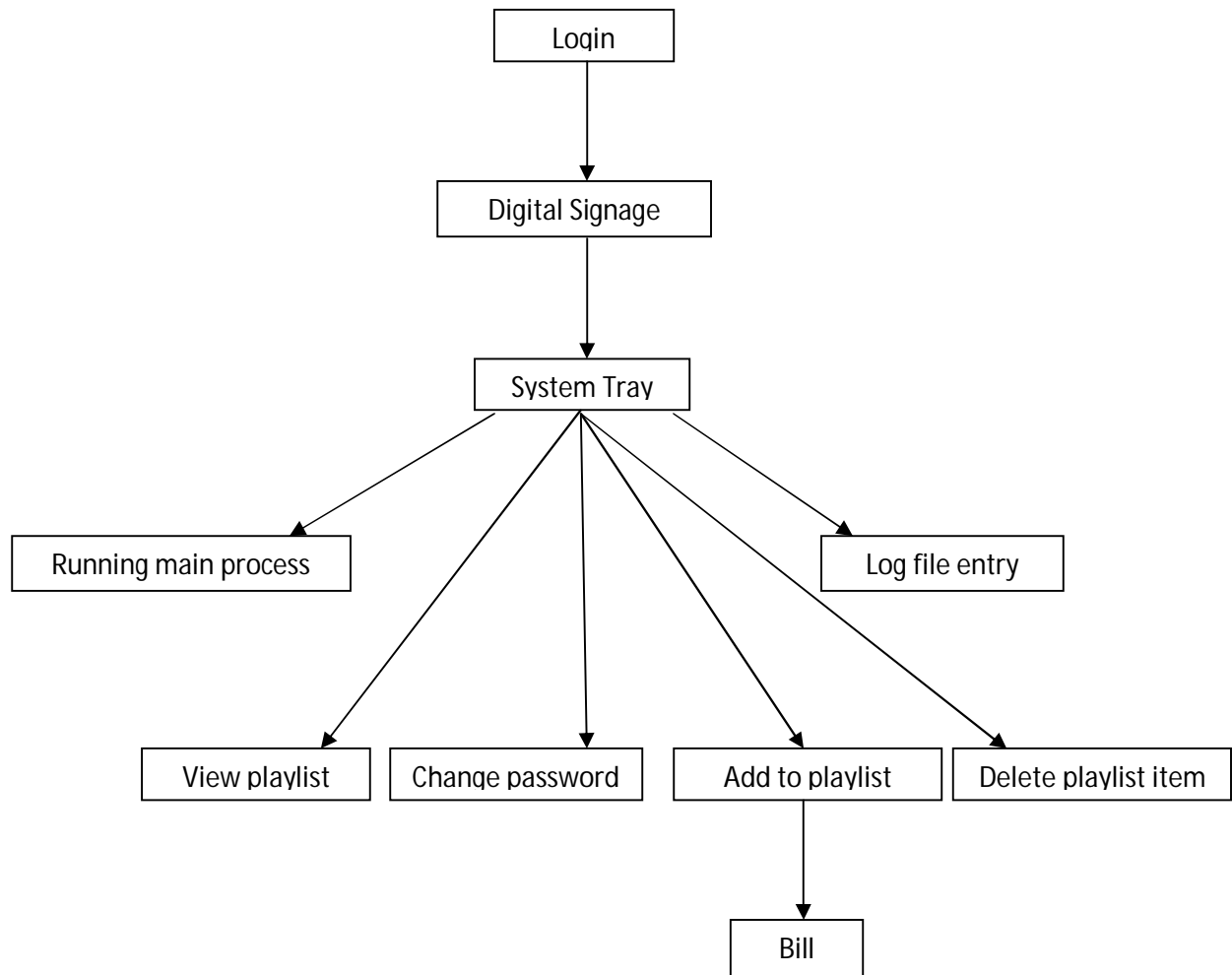
Level 1 DFD User



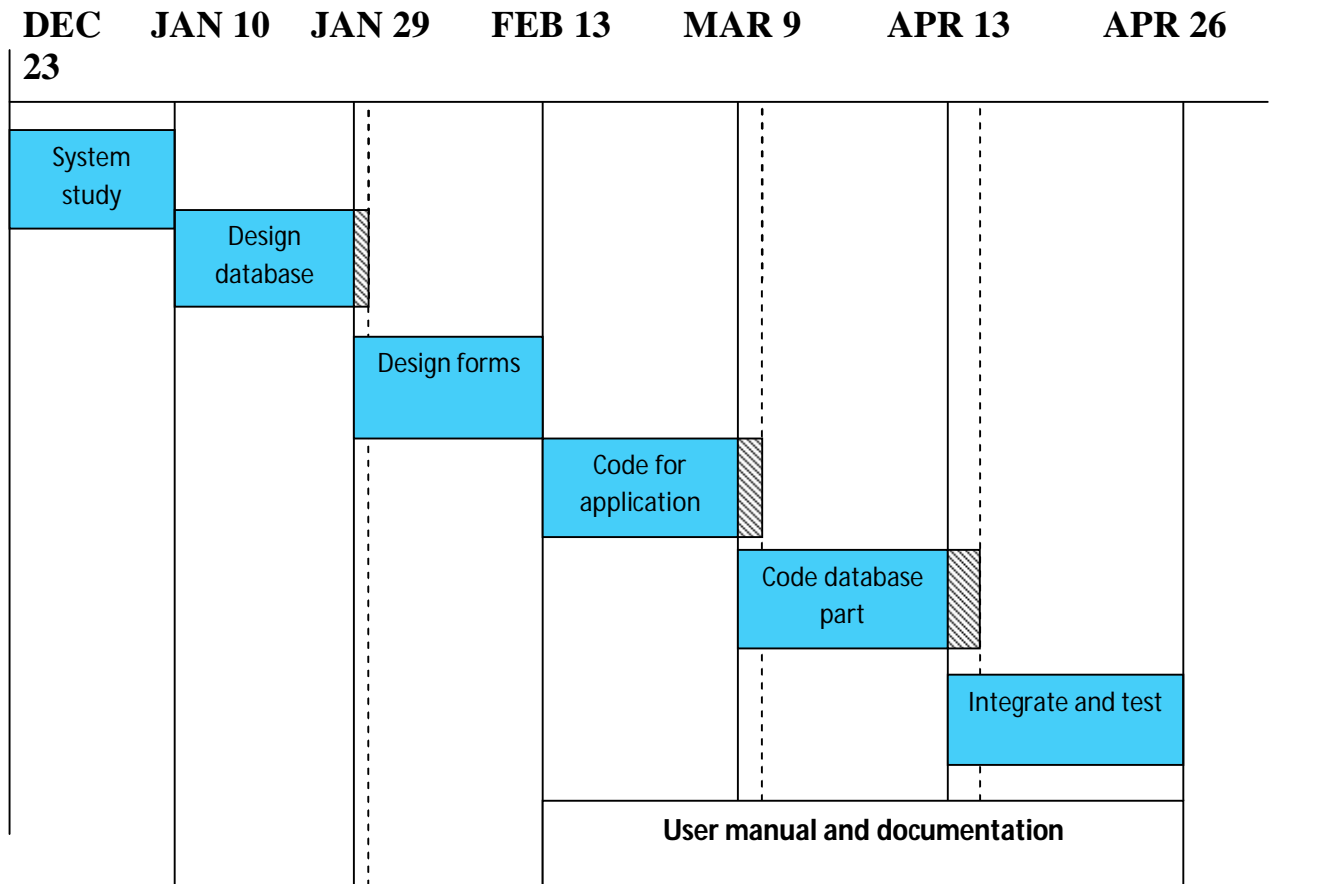


Level 2 DFD Admin

SYSTEM STRUCTURE CHART



GANTT CHART



APPENDIX

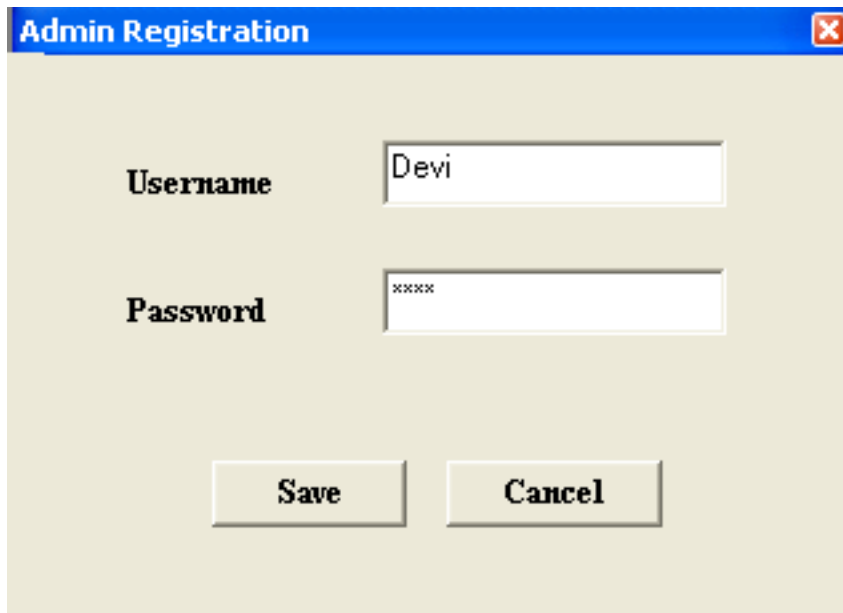
Screen layouts

Login



The image shows a screenshot of a Windows-style application window titled "LOGIN-FORM". The window has a blue title bar with a close button in the top right corner. The main content 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 labels: "UserName" and "Password", both in a bold, black serif font. To the right of "UserName" is a text input field containing the text "Abu". To the right of "Password" is a text input field containing a series of eight asterisks "xxxxxxxx". Below these input fields, there are three buttons arranged horizontally: "AdminLogin", "StaffLogin", and "Cancel". All three buttons have a light beige background and a thin black border.

Admin registration



The image shows a Windows-style dialog box titled "Admin Registration". It has a blue title bar with a close button (X) in the top right corner. The main area has a light beige background. There are two labels, "Username" and "Password", in a bold serif font. The "Username" label is to the left of a text input field containing the text "Devi". The "Password" label is to the left of a password input field containing five asterisks "*****". At the bottom of the dialog, there are two buttons: "Save" and "Cancel", both in a bold serif font. The "Save" button is on the left and the "Cancel" button is on the right.

Field	Value
Username	Devi
Password	*****

Buttons: Save, Cancel

User Registration

REGISTRATION-FORM

REGISTRATION

Name

Age

Sex ☒ **Male** ☐ **Female**

Address

PhoneNumber

UserName

Password

ConfirmPassword

Save **Cancel**

Doctor Registration

DOCTOR'S REGISTRATION

Dr.Name

Chandrasekar

Sex

☒ Male ☐ Female

Department

general medicine

Consultatiion day

Wednesday

ConsultationTime

From

Example(10:30 am)

9

To

Example(1:30 pm)

12

Address

Vishal bhavan
Trivandrum

ContactNumbe:

9995666999

EmergencyNumber

425686

Consultation fee

500

Total Patients

25

Date

9 /17/2008

Save

Cancel

Edit Doctor



EDIT DOCTOR FORM

EDIT DOCTOR

Doctor name R. Saith Kumar

Time 9:30 am to 1:30 pm

Address kamalanivas
manzil
kumarapuram p.o
tvpm

Contact no 25795621

Emergency no 25485627

Update **Cancel**

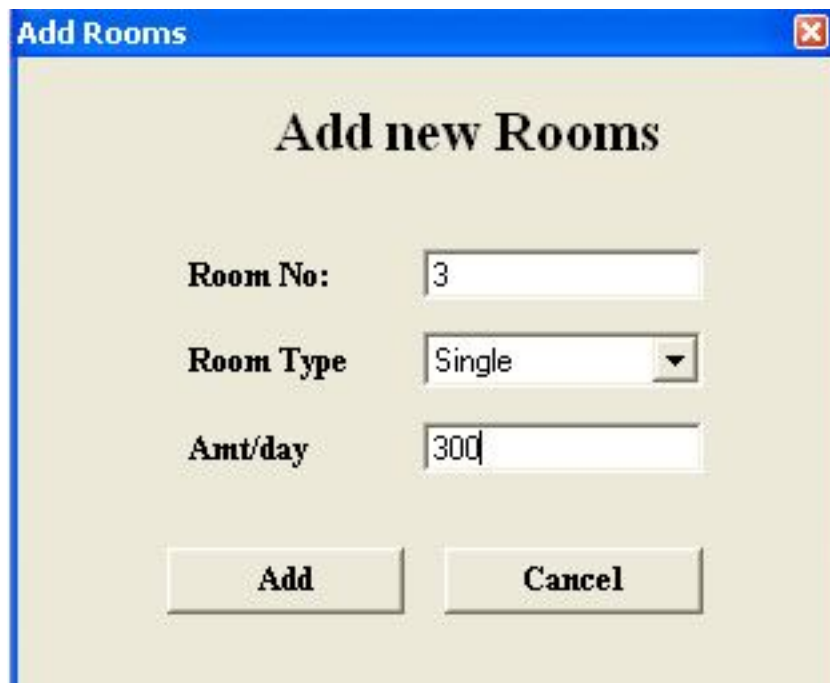
Add Departments



The screenshot shows a dialog box titled "DEPARTMENT" with a close button in the top right corner. The main heading inside the dialog is "Add New Department". Below this, 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 dialog, there are two buttons: "Save" and "Cancel".

Field	Value
Dept	Ortho
Hod	Arun
Floor	3

Add Rooms



Add Rooms

Add new Rooms

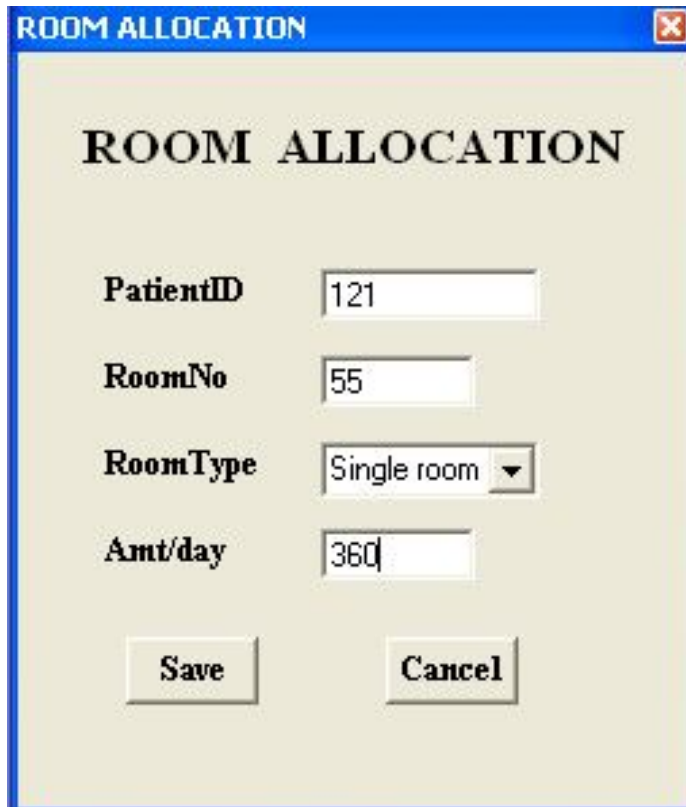
Room No:

Room Type

Amt/day

Add **Cancel**

Room Allocations



The image shows a screenshot of a software window titled "ROOM ALLOCATION". The window has a blue title bar with a close button (X) in the top right corner. The main area of the window is light beige and contains the following elements:

- A title "ROOM ALLOCATION" in a large, bold, black serif font.
- Four input fields, each with a label to its left:
 - PatientID**: A text box containing the value "121".
 - RoomNo**: A text box containing the value "55".
 - RoomType**: A dropdown menu showing "Single room" with a downward arrow.
 - Amt/day**: A text box containing the value "360".
- Two buttons at the bottom:
 - Save**: A button with a light beige background and a thin border.
 - Cancel**: A button with a light beige background and a thin border.

Patient Registration

Form1

New Patient Existing Patient

PATIENT REGISTRATION

Name:

Age:

Sex: ☒ Male ☐ Female

Address:

☒ IP ☐ OP

Room No:

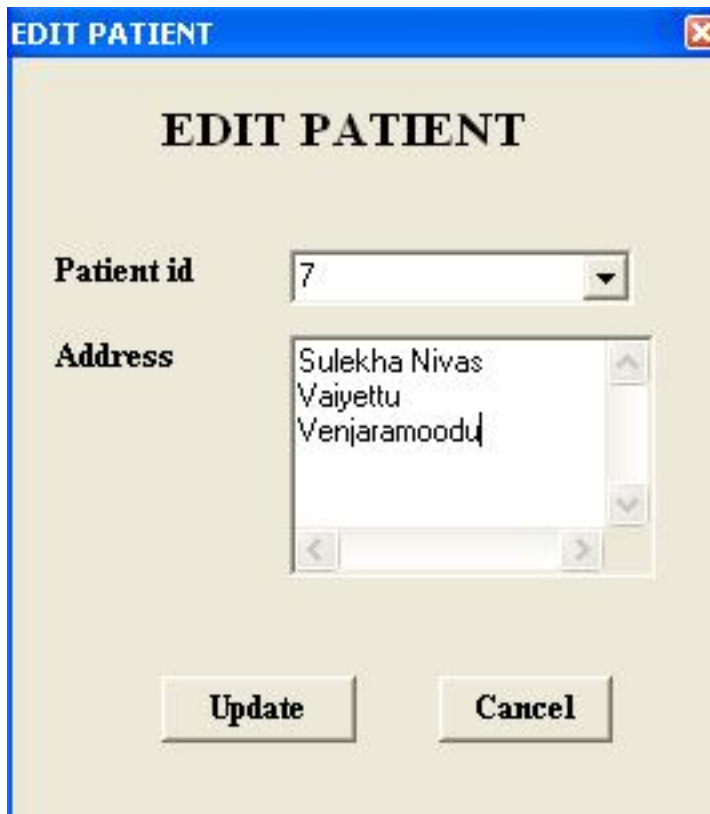
Dr. preferred:

PatientID:

Reg. Fee:

Admin date:

Edit Patient Details



EDIT PATIENT

Patient id 7

Address Sulekha Nivas
Vaiyettu
Venjaramoodu

Update **Cancel**

IP Search

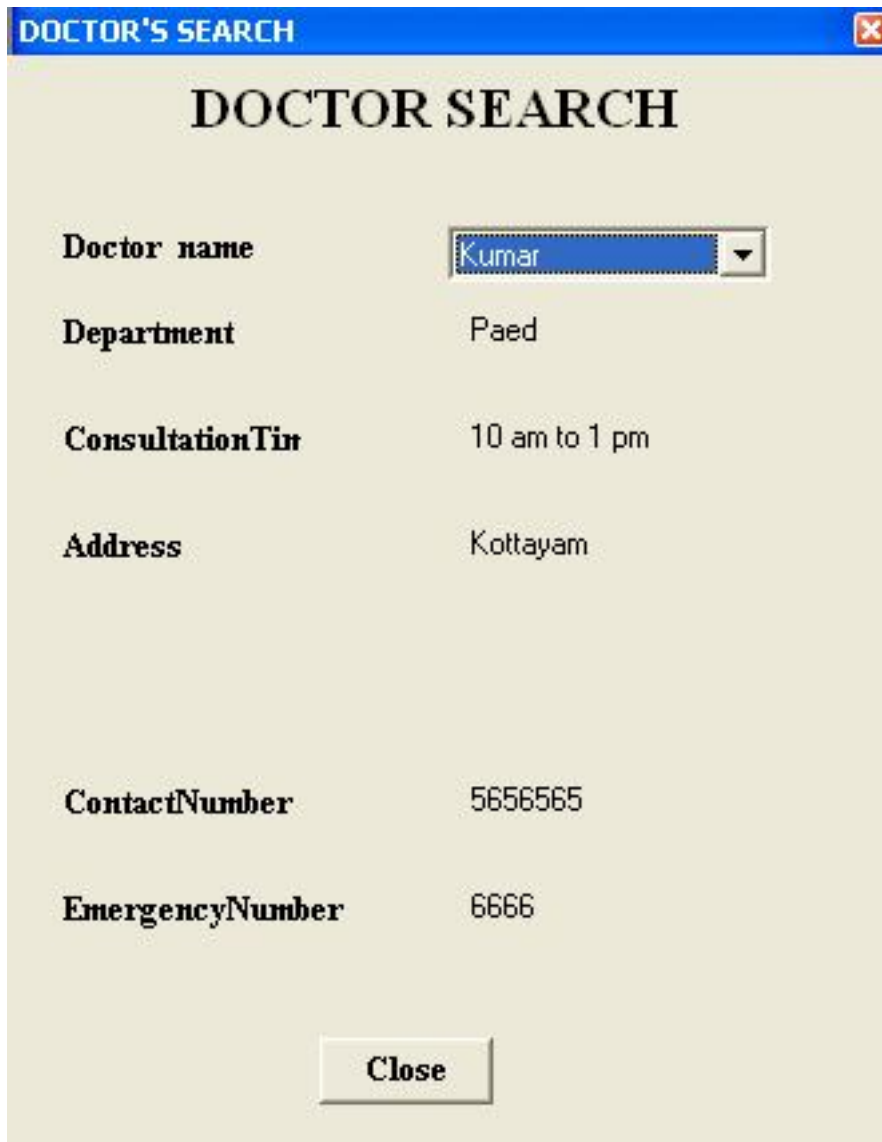


The image shows a software window titled "IP SEARCH" with a blue title bar and a close button. The window has a beige background and contains the following fields:

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

At the bottom center of the window 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 text "DOCTOR SEARCH" in a large, bold, serif font. Below this, there are six fields, each with a label and a value:

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

At the bottom center of the window is a "Close" button.

IP Billing

IP BILL

IP BILL

BillNo

31

PatientID

Name

Vinod

Doctor

Arun

Reg Date

12/08

Room

40

Amount

1500

Total

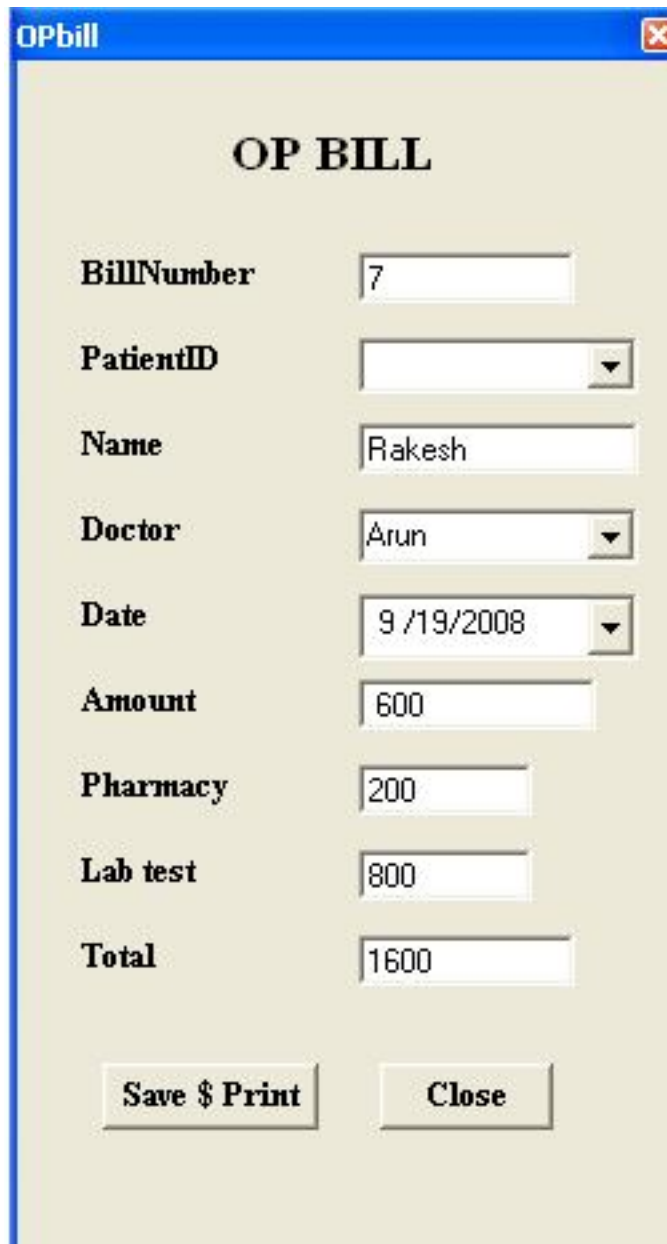
3000

Save

Close

Discharge

OP Billing



The screenshot shows a software window titled "OPbill" with a standard Windows-style title bar (blue background, red close button). The main content area has a light beige background and is titled "OP BILL" in a large, bold, black serif font. Below the title, there are several data entry fields arranged in a vertical list. Each field consists of a label in a bold, black serif font followed by an input box. The input boxes are white with a thin grey border. The fields are: "BillNumber" with the value "7", "PatientID" which is a dropdown menu, "Name" with the value "Rakesh", "Doctor" which is a dropdown menu with the value "Arun", "Date" which is a date picker showing "9 /19/2008", "Amount" with the value "600", "Pharmacy" with the value "200", "Lab test" with the value "800", and "Total" with the value "1600". At the bottom of the form, there are two buttons: "Save \$ Print" and "Close", both in a black serif font. The "Save \$ Print" button has a small dollar sign before the word "Print".

Field	Value
BillNumber	7
PatientID	[Dropdown]
Name	Rakesh
Doctor	Arun
Date	9 /19/2008
Amount	600
Pharmacy	200
Lab test	800
Total	1600

Buttons: Save \$ Print, Close

Lab Billing

LAB BILL

Lab Bill

BillNumber 14

PatientID 5

Lab Test Name

Amt

Add to List

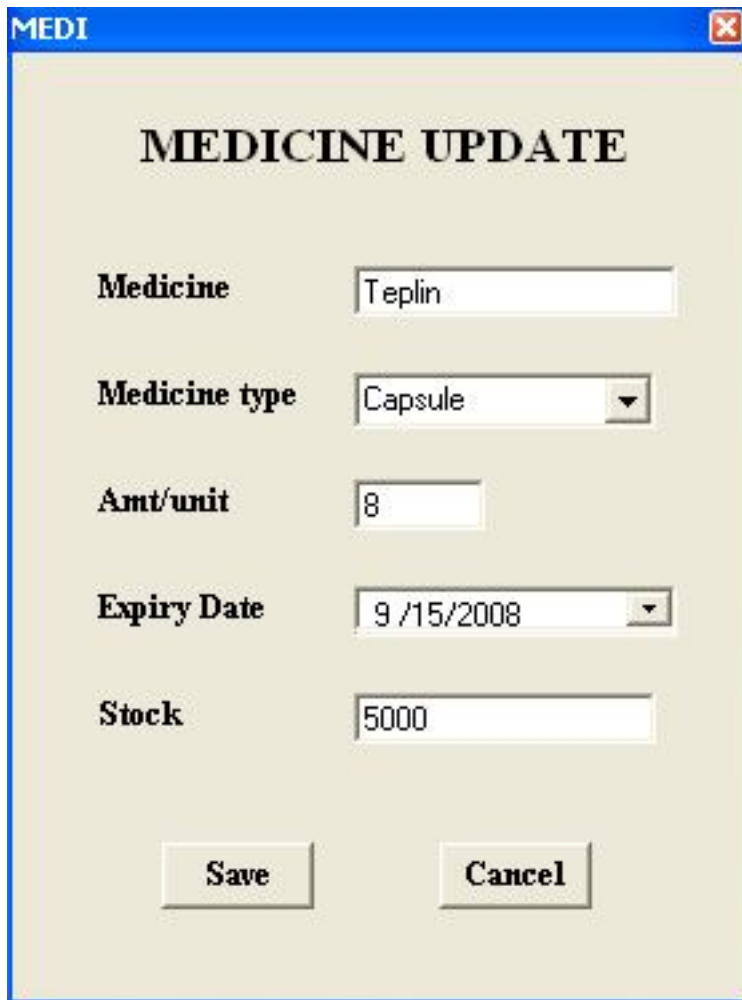
Sl No	Test Names	Amt
1	Blood	200

Total 200

Save \$ Print

Cancel

Medicine Update



A screenshot of a 'Medicine Update' dialog box. The window has a blue title bar with the text 'MEDI' and a close button. The main area has a light beige background with the title 'MEDICINE UPDATE' in bold. Below the title are five input fields: 'Medicine' (text box with 'Teplin'), 'Medicine type' (dropdown menu with 'Capsule'), 'Amt/unit' (text box with '8'), 'Expiry Date' (dropdown menu with '9 /15/2008'), and 'Stock' (text box with '5000'). At the bottom are two buttons: 'Save' and 'Cancel'.

Medicine	<input type="text" value="Teplin"/>
Medicine type	<input type="text" value="Capsule"/>
Amt/unit	<input type="text" value="8"/>
Expiry Date	<input type="text" value="9 /15/2008"/>
Stock	<input type="text" value="5000"/>

Pharmacy Billing

PHARBILL

Pharmacy Bill

Date 9 /15/2008

BillNumber 31

PatientID 4

Medicine cetzine

Quantity 12

Price 50

Sl No	Medicine	Qty	Amount

Total

Save **Cancel**

Change Password

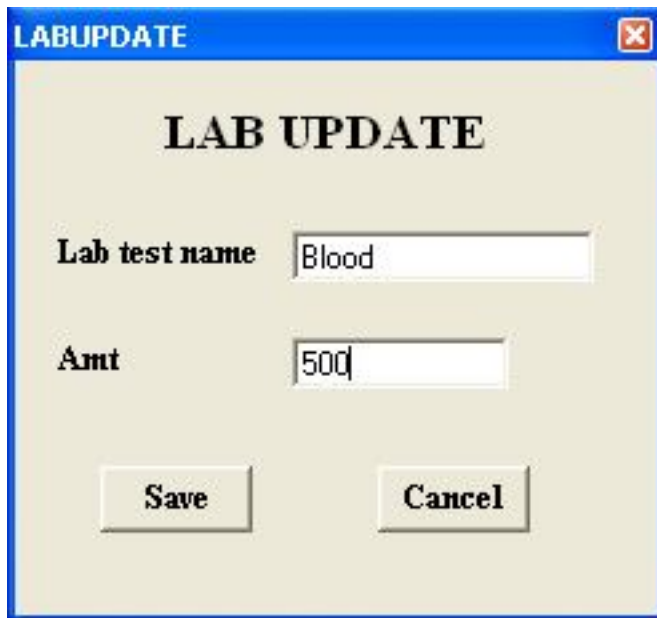


The image shows a Windows-style dialog box titled "PASSWORD_EDIT" with a close button in the top right corner. The main title "Change Password" is centered at the top. Below it, there are four labeled text input fields arranged vertically: "Username" (containing "Anu"), "Present Password" (containing "xxxxxxxx"), "New Password" (containing "xxxxxxxx"), and "Confirm Password" (containing "xxxxxxxx"). At the bottom, there are two buttons: "Change" and "Cancel".

Field Label	Value
Username	Anu
Present Password	xxxxxxxx
New Password	xxxxxxxx
Confirm Password	xxxxxxxx

Buttons: Change, Cancel

Lab Update



A screenshot of a Windows-style dialog box titled "LABUPDATE". The dialog has a blue title bar with a close button (X) in the top right corner. The main area has a light beige background. At the top, the text "LAB UPDATE" is centered in a bold, black, serif font. Below this, there are two labels: "Lab test name" and "Amt". The "Lab test name" label is followed by a text input field containing the word "Blood". The "Amt" label is followed by a text input field containing the number "500". At the bottom of the dialog, there are two buttons: "Save" and "Cancel", both in a standard black font.

LAB UPDATE

Lab test name

Amt

Discharge Sheet

DISCHARGE SHEET

Patient Id 23

Name Rahul

Doctor Udhayashankar

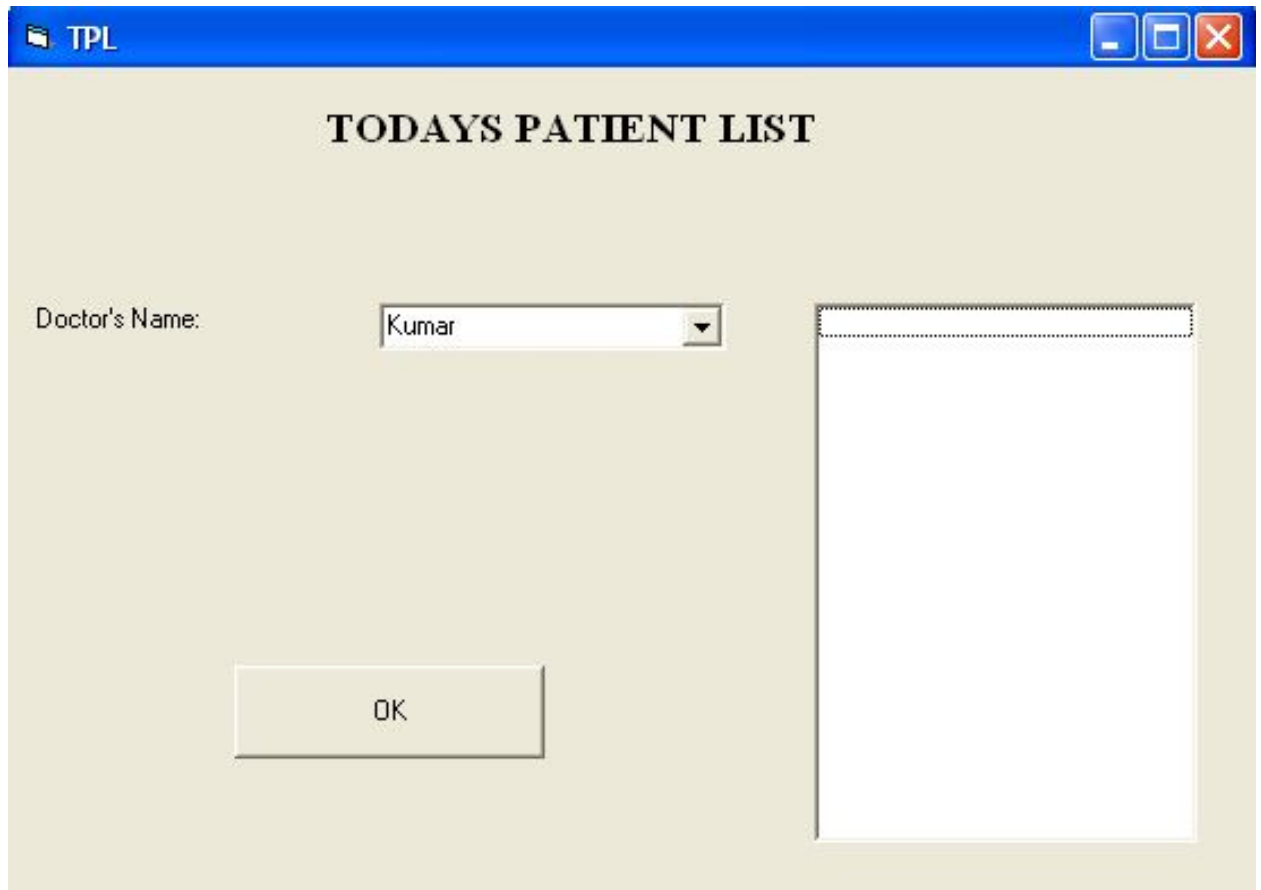
Remarks BED REST

Date 9 /17/2008

Total Bill 5000

Save \$ Print cancel

Today's Patient List



The screenshot shows a software window with a blue title bar containing the text 'TPL' and standard 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. The dropdown menu is open, showing 'Kumar' as the selected option. To the right of the dropdown menu is a large, empty rectangular box with a dashed border, intended for displaying the patient list. At the bottom left of the window is an 'OK' button.

Blood Bank Registration

Blood Bank

BLOOD BANK REGISTRATION

Name:

Age:

Sex: ☒ Male ☐ Female

Address:

Phone No:

Blood Group:

OK

Eye Registration

Form1

EYE REGISTRATION

Name:

Age:

Sex: ☒ Male ☐ Female

Address:

Phone No: