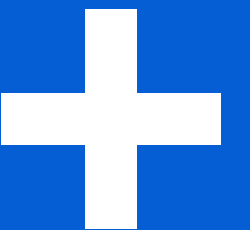




# BIT BY BIT HOSPITAL



HOSPITAL MANAGEMENT SOFTWARE



# OUR TEAM



**Harshika  
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Rajput**



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# PROJECT INTRODUCTION



Our project is on hospital management .

In this project we used technologies like java , swing and my sql .

In this project we have try to provide every functionality that a hospital management software needs.

we have tried our best to provide best user experience and easy to use interface.



# TECHNOLOGIES USED

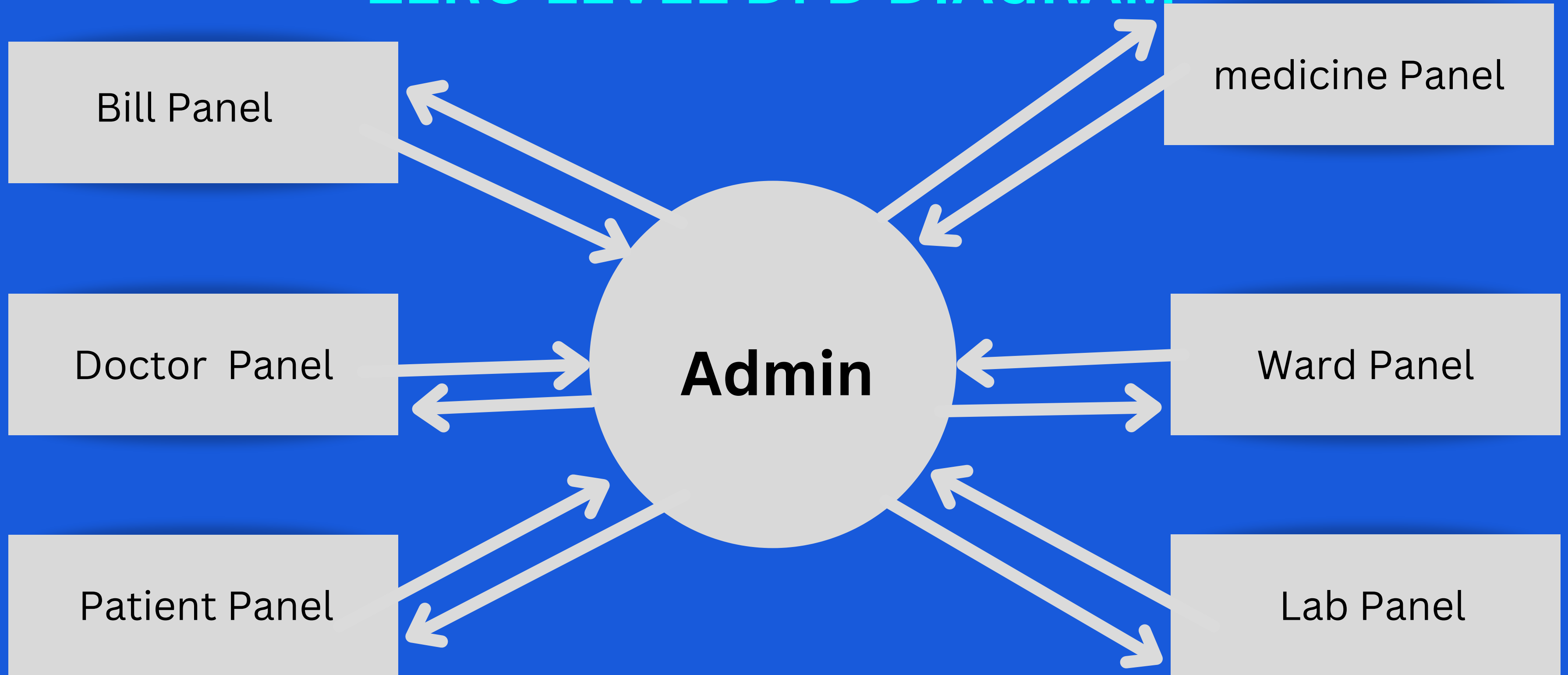


Java

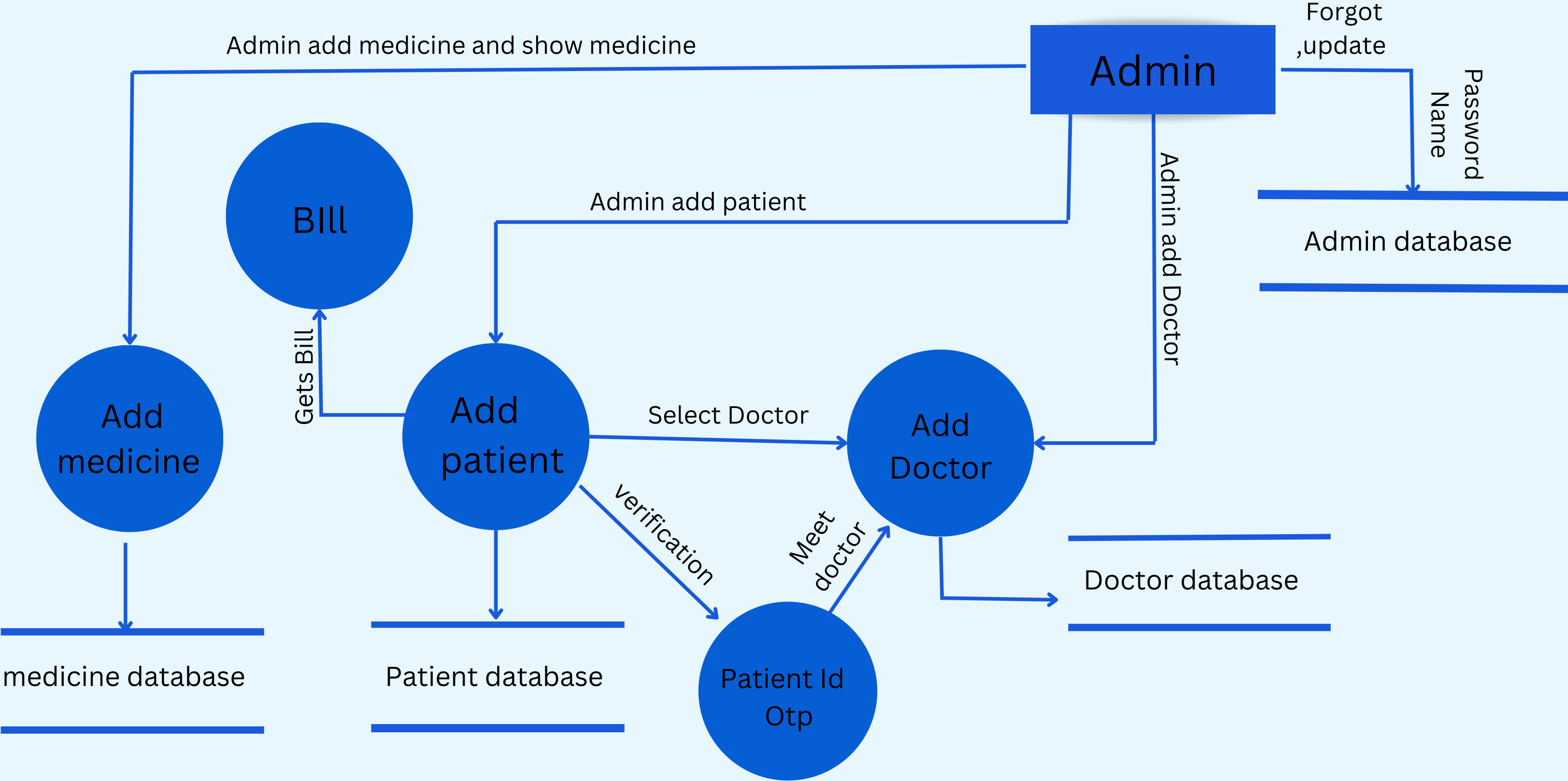
MySQL®



# ZERO LEVEL DFD DIAGRAM



# 1 LEVEL DFD DIAGRAM



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# Admin Module

## Functionality

- Admin Can log in.
- Program starts from this module.
- Provides accessibility to the user.
- This module accessed only by registered admin.
- Admin can change password if he forgot the password.



ADMIN LOG-IN

Admin name

Password



Accepts Admin Name

Accept Admin Password

Admin can reset password if he forgots

Accept Data if User name and password is correct



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# Main Menu

## Functionality

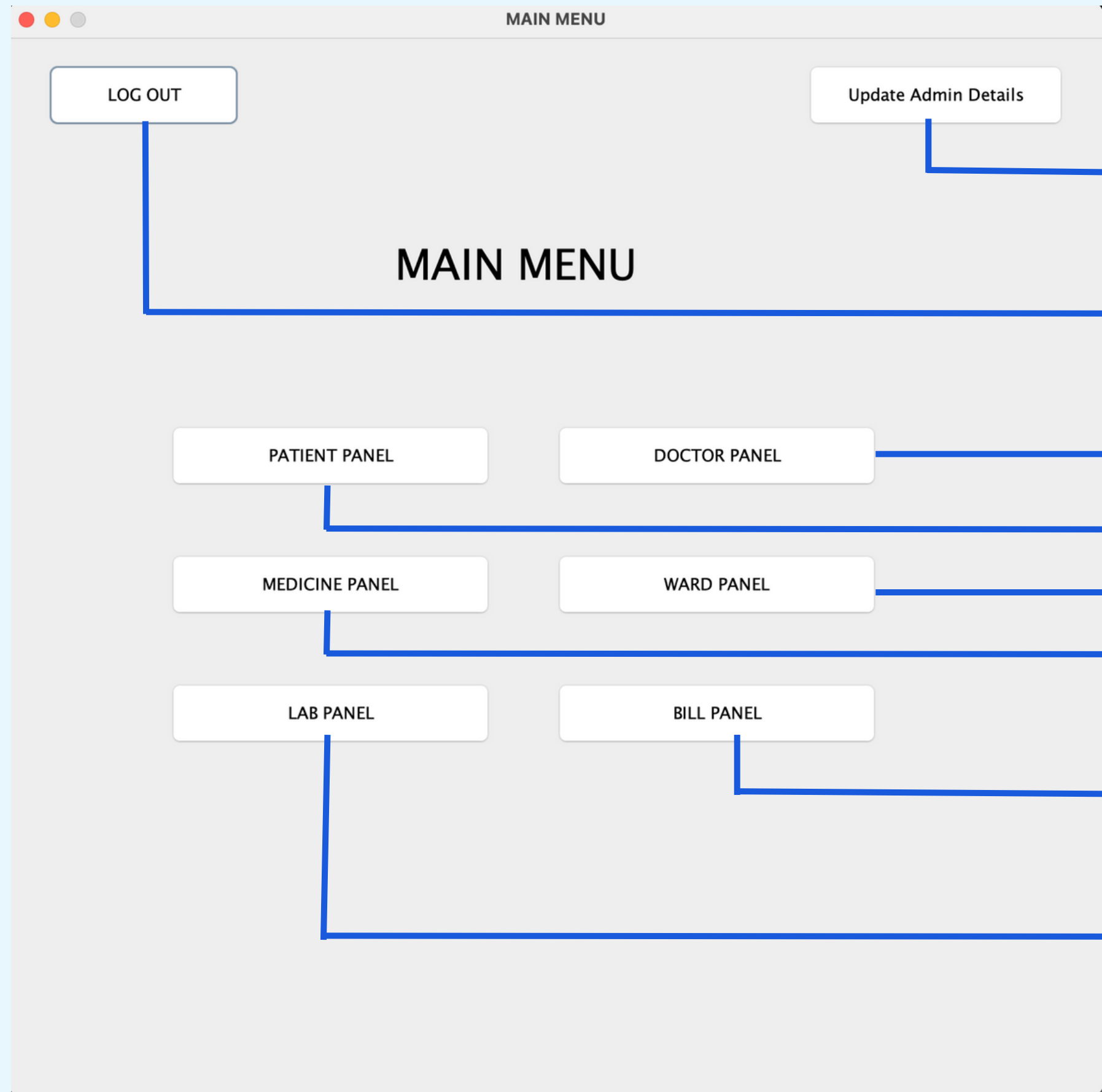
- Admin can go to different panels like Patient, Doctor, Medicine, etc.
- He can update his details by click on update details patient.
- He can generate bill of patient.
- He log out from application by clicking on log out button.



# FUNCTIONALITY OF ADMIN

- Handle doctor module .
- Handle patient module.
- Handle medicine module.
- Handle lab module.
- Handle ward module.
- Handle all the functionality related to hospital.





Admin can update his/her password and name

Admin can log out from application

Show Doctor menu

Show Patient menu

Show Ward menu

Show Medicine menu

Bill menu

Lab Menu



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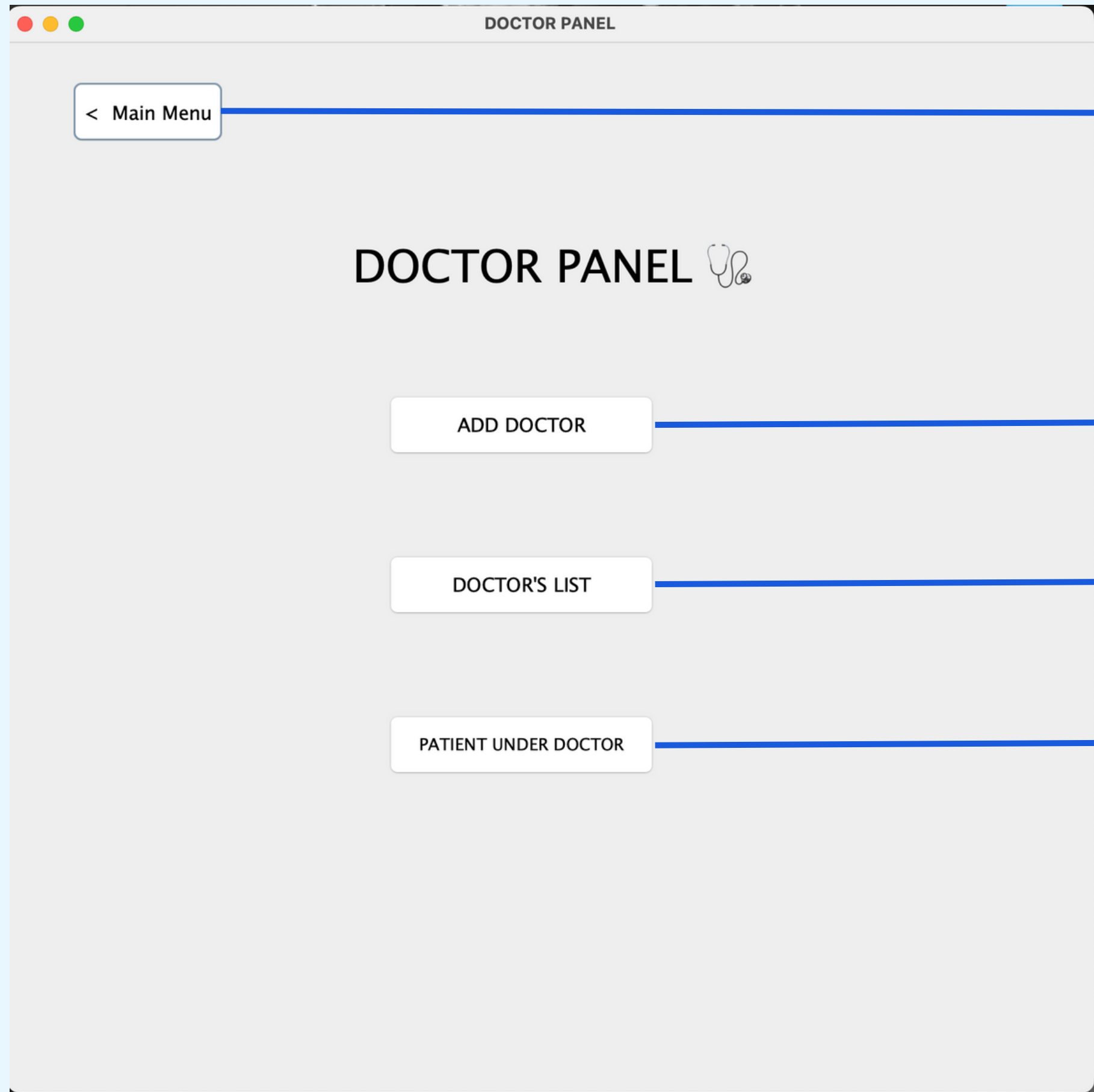
# Doctor Panel

## Functionality



- Adds new Doctor.
- Show available Doctors and their details.
- Shows Patients under a particular doctor.
- Shows doctors according to filters.
- Deletes doctors by selecting row.





Jump to Main menu



Jump to doctor details frame for adding new doctor

Jump to doctor details for show available doctor details

Show patients of patricular doctor

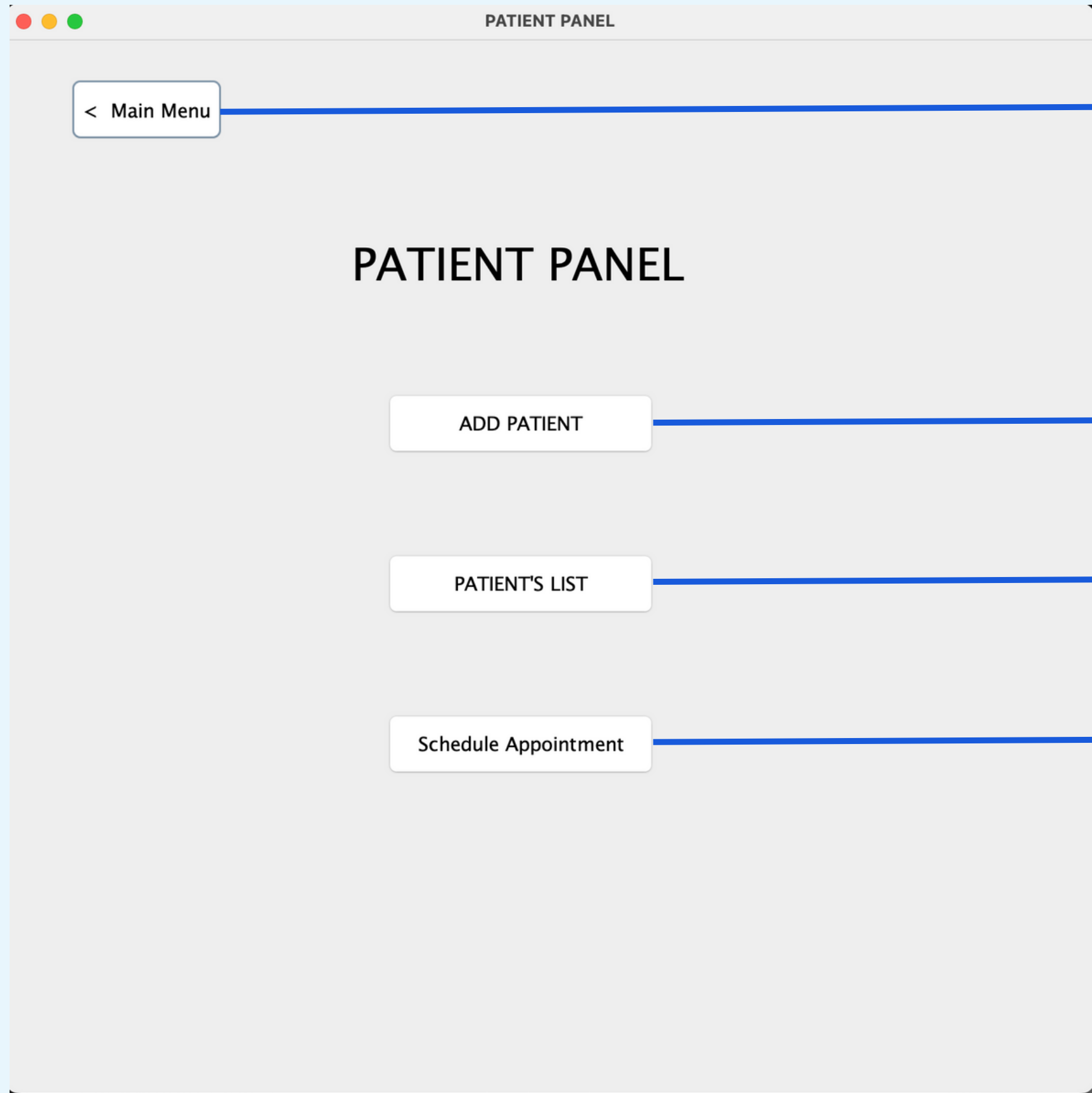
# Patient Panel



## Functionality

- This module adds new patient.
- Registers patient by sending OTP, Patient Id, appointment date to his/her email ID.
- Shows List of patients.
- Schedules appointment of patient with doctor
- Shows patients according to applied filters.
- Deletes patient by selecting row.





Jumps to main menu

Jumps to patient information frame to add new patient.

Jumps to patient list frame to show registered patients

Jumps to schedule appointment frame to schedule appointment.



# Schedule Panel



## Functionality

- Accepts patient id and patient code.
- If the patient fills correct patient id and code he/she will be sent to the doctors room which the patient has selected.





The screenshot shows a web browser window with a light gray background. At the top left, there is a button labeled "< Patient Menu". Below this, the title "SCHEDULE APPOINTMENT" is centered. There are two input fields: "Enter Patient's ID" and "Enter Patient Code". Below these fields is a "SUBMIT" button. Blue arrows point from the annotations on the right to each of these elements: from the "< Patient Menu" button, from the "Enter Patient's ID" field, from the "Enter Patient Code" field, and from the "SUBMIT" button.

< Patient Menu

## SCHEDULE APPOINTMENT

Enter Patient's ID

Enter Patient Code

SUBMIT

Jumps to patient menu

Accepts registered patients details

Accepts registered patient code which is sent on patients email and verefies it

Verifiles the details of patient and schedules appointment if the details are valid



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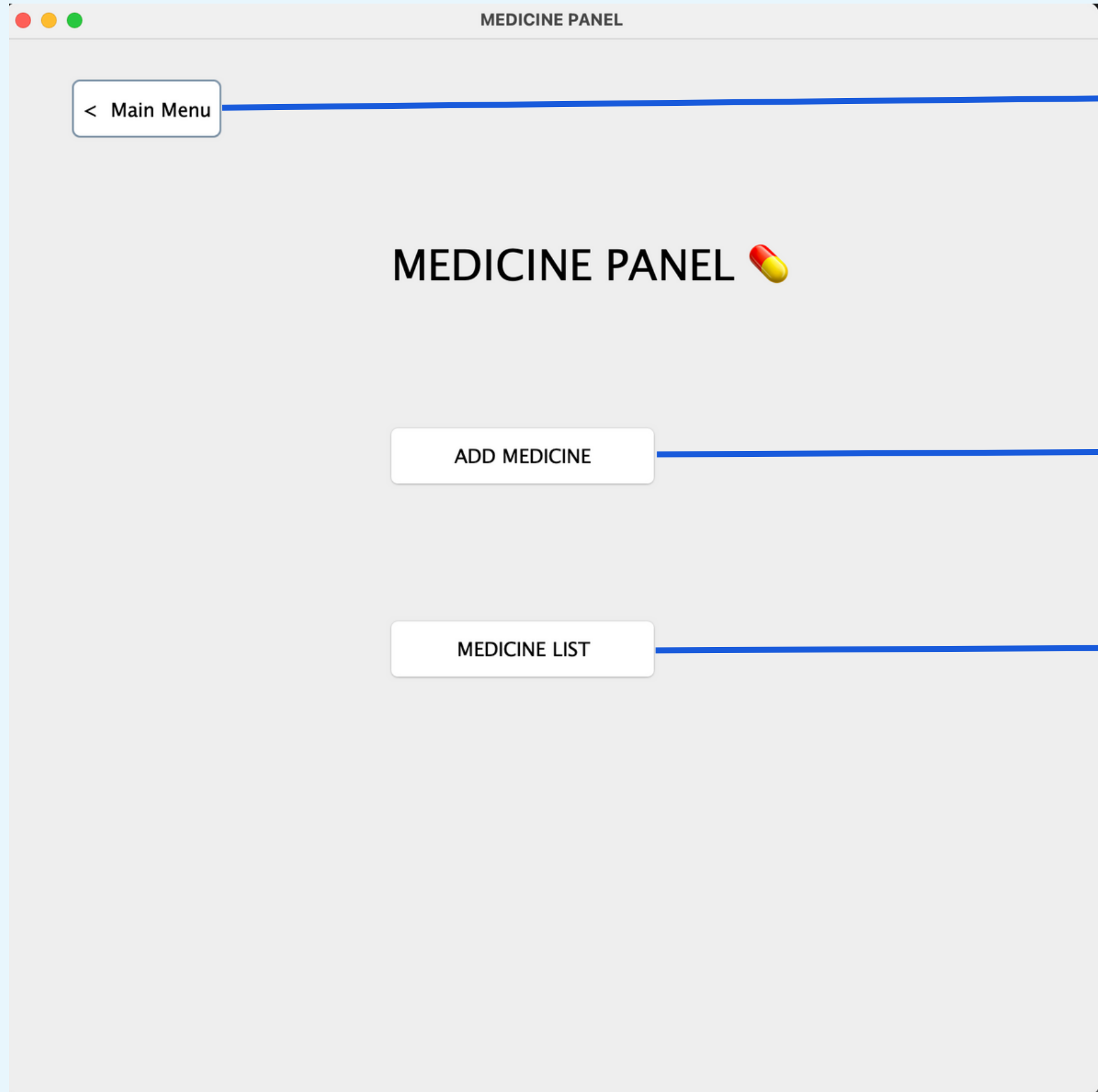
# Medicine Panel



## Functionality

- Adds new Medicines.
- Shows Medicines List according to applied filter.
- Deletes medicines by selecting specific row.





Jumps to main menu

Jump to medicine details frame for adding new medicine

Jump to medicine details for show available medicine details



# Ward Panel



## Functionality

- Show Types of ward and their info.

Information like :-

- 1.Ward ID.
- 2.Ward name.
- 3.Total bed.
- 4.Number of nurse.



Ward Information				
< Main Menu				
Ward_Id	Ward_Name	Total_Bed	Nurse	Bed_Price
1	Delux	10	20	15000.0
2	Emerfancy	50	8	10000.0
3	Nursary	100	6	8000.0
4	General Ward	130	6	6500.0
5	Intensive Care Unit	5	10	18500.0

Jump to mein menu

Table showing ward details



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# Lab Panel



## Functionality

- Shows available test facilities.
- Shows test number.
- Shows test name.
- Shows test price.



Lab Information

< Main Menu

Test_Id	Test_Name	Test_Price
1	Blood test	1200.0
2	Liver test	3500.0
3	Diabetes Test	1500.0
4	Heamogram Test	1100.0
5	Urine Test	800.0
6	Thyroid Test	1400.0
7	X-Ray test	2500.0

Jumps to main menu

Table showing Lab details



# Bill Panel



## Functionality

- Prints bill for the patient according to patients ID.
- Verifies patient by his/her code sent on his/her unique mail id.
- Calculates all charges including Doctor fees,medicine charges,test charges no of admit days and bed charges .
- Taking discharge date,and Deactivates the patient





VERIFICATION

< Main Menu

## BILL ENTRY

Enter Patient's ID      Enter Patient Code

Discharge Date      19-May-2023      ...

Do You Get Test From Our Us      YES      ▾

SUBMIT

Jumps to main menu

Accepts patients code sent on mail during the registration

Accepts patients id sent on email.

Accepts valid Discharge date .

Asks if the patient has got test from hospital or not.

Generates bill if the patient fill correct details.



Hospital Bill

Invoice No.- 556

19/05/2023

BIT BY BIT HOSPITAL

7, Lantern Square, Race Course Road,Indore,Madhya Pradesh 452001

Patient Name-

: SATYA

Patient Age-

: 36

Patient Gender-

: Male

Blood group-

: A+

Patient Doctor-

: Sandhya

Patient's Ward-

: Delxe Room

Bed Price/Day-

: 2500.0

Admit Date- 20/05/2023

Discharge Date- 24/05/2023

BILL SUMMARY

Total Doctor Fee-

5000.0

Bed Fee

10000.0

MEDICINES:-

TEST:-

DISPRIN 180    50.0 \* 10:    500.0

Blood test-

1200.0

CIPLA 500    75.0 \* 15:    1125.0

Urine Test-

800.0

TOTAL

18625.0

Main Menu



→ Structure of Bill

Presented By ↓

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GROUP