**TICKET BOOKING SYSTEM**

**A MINI-PROJECT BY:**

**SUBBAIYA 231401111**

***in partial fulfillment of the award of the degree***

***OF***

***BACHELOR OF ENGINEERING***

**IN**

# COMPUTER SCIENCE AND ENGINEERING



**RAJALAKSHMI ENGINEERING COLLEGE, CHENNAI**

**An Autonomous Institute**

**CHENNAI**

**NOVEMBER 2024**

**BONAFIDE CERTIFICATE**

Certified that this project **“TICKET BOOKING**

**SYSTEM”** is the bonafide work of **“SUBBAIYA M”** who carried out the project work under my supervision.

Submitted for the practical examination held on

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**4.1 Login :**

Packageticket.booking.system;

import ticket.booking.system.conn;

import javax.swing.\*; import java.awt.\*; import java.awt.event.ActionEvent; import java.awt.event.ActionListener; import java.sql.ResultSet;

public class login extends JFrame implements ActionListener

{

JFrame f;

JTextField txtfield;

JPasswordField pwfield; JButton b1,b2; login() { f = new JFrame("Login");

f.setLayout(null);

f.setTitle("Health Desk");

f.setLocation(300, 250);

f.setSize(750, 300);

f.getContentPane().setBackground(new Color( 232 ,74 ,95)); JLabel username = new JLabel("Username: "); username.setBounds(40,20,100,30); username.setForeground(new Color(235, 240, 239)); username.setFont(new Font("Tahoma",Font.BOLD,16));

f.add(username);

JLabel password = new JLabel("Password: "); password.setBounds(40,70,100,30); password.setForeground(new Color(235, 240, 239)); password.setFont(new Font("Tahoma",Font.BOLD,16));

f.add(password);

txtfield=new JTextField(); txtfield.setBounds(150,20,150,30);

f.add(txtfield);

pwfield=new JPasswordField(); pwfield.setBounds(150,70,150,30);

f.add(pwfield);

b1=new JButton("Login"); b1.setBounds(40,140,120,30); b1.setFont(new Font("serif",Font.BOLD,15)); b1.addActionListener(this); b1.setBackground(new Color(42,54, 59)); b1.setForeground(Color.WHITE);

f.add(b1);

f.setVisible(true);

b2=new JButton("Cancel"); b2.setBounds(180,140,120,30); b2.setFont(new Font("serif",Font.BOLD,15)); b2.setBackground(new Color(42,54, 59)); b2.setForeground(Color.WHITE); b2.addActionListener(this);

f.add(b2);

f.setVisible(true);

f.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

@Override

public void actionPerformed(ActionEvent e) {

if(e.getSource()== b1)

{ try{

conn c= new conn();

String user= txtfield.getText();

String pass= pwfield.getText();

String q="select \* from login where ID = '"+user+"' and PW =

'"+pass+"'";

ResultSet resultSet=c.statement.executeQuery(q);

if(resultSet.next()){ new Reception();

f.setVisible(false); dispose();

} else {

JOptionPane.showMessageDialog(null,"Invalid");

}

} catch (Exception E) {

E.printStackTrace();

} } else{

System.exit(10);

}

}

public static void main(String[] arg) {

new login();

}

### }

### 4.2 Reception Page

package ticket.booking.system;

import javax.swing.\*; import java.awt.\*; import java.awt.event.ActionEvent; import java.awt.event.ActionListener; //JButton bt1;

class Reception extends JFrame {

Reception(){

JPanel panel1= new JPanel(); panel1.setLayout(null); panel1.setBounds(0,155,1525,670); panel1.setBackground(new Color( 42,54, 59)); add(panel1);

JPanel panel2= new JPanel(); panel2.setLayout(null); panel2.setBounds(0,0,1525,150);

panel2.setBackground(new Color( 232 ,74 ,95));

add(panel2);

JButton bt1= new JButton(("Add New Patient")); bt1.setBounds(30,25,200,30); bt1.setBackground(new Color(255,255,255)); bt1.setForeground(Color.BLACK); bt1.setFont(new Font("Tahoma",Font.BOLD,16)); panel1.add(bt1); bt1.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) { new New\_patient();

}

});

JButton bt2 = new JButton("Room"); bt2.setBounds(30,75,200,30); bt2.setBackground(new Color(255,255,255)); bt2.setForeground(Color.BLACK); bt2.setFont(new Font("Tahoma",Font.BOLD,16)); panel1.add(bt2); bt2.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) { new Room();

}

});

JButton bt3 = new JButton("Employee Info"); bt3.setBounds(30,125,200,30); bt3.setBackground(new Color(255,255,255)); bt3.setForeground(Color.BLACK); bt3.setFont(new Font("Tahoma",Font.BOLD,16)); panel1.add(bt3);

bt3.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) { new Employee\_info();

}

});

JButton bt4 = new JButton("Patient Info"); bt4.setBounds(30,175,200,30); bt4.setBackground(new Color(255,255,255)); bt4.setForeground(Color.BLACK); bt4.setFont(new Font("Tahoma",Font.BOLD,16)); panel1.add(bt4); bt4.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) { new Patient\_info();

}

});

JButton bt5 = new JButton("Patient Discharge"); bt5.setBounds(30,225,200,30); bt5.setBackground(new Color(255,255,255)); bt5.setForeground(Color.BLACK); bt5.setFont(new Font("Tahoma",Font.BOLD,16)); panel1.add(bt5); bt5.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) { new Patient\_discharge();

}

});

JButton bt6 = new JButton("Logout"); bt6.setBounds(30,275,200,30); bt6.setBackground(new Color(255,255,255)); bt6.setForeground(Color.BLACK); bt6.setFont(new Font("Tahoma",Font.BOLD,16)); panel1.add(bt6); bt6.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) {

//new Logout(); setVisible(false); new login();

}

});

// setSize(1500,750); setBounds(-5,0,1500,750); getContentPane().setBackground(new Color(225,225,225)); setLayout(null); setVisible(true);

setDefaultCloseOperation(EXIT\_ON\_CLOSE);

} public static void main(String[] args) { new Reception();

}

}

## 4.3 new client

package ticket.booking.system; import javax.swing.\*; import java.awt.event.ActionEvent; import java.awt.event.ActionListener; import java.sql.ResultSet; import java.util.Date; import java.awt.\*;

public class New\_patient extends JFrame implements ActionListener {

JRadioButton r1, r2;

JTextField textFieldNumber, textName, textFieldDisease, textFieldDeposit;

JLabel date;

Choice c1;

JButton b1, b2;

JComboBox comboBox;

New\_patient() {

JPanel panel = new JPanel();

panel.setBounds(5, 5, 840, 490); panel.setBackground(new Color(232 ,74 ,95));

panel.setLayout(null); add(panel);

JLabel labelName = new JLabel("NEW PATIENT FORM"); labelName.setBounds(118, 11, 260, 53); labelName.setFont(new Font("Tahoma", Font.BOLD, 20)); labelName.setForeground(new Color(42,54, 59)); panel.add(labelName);

JLabel labelID = new JLabel("ID :"); labelID.setBounds(35, 76, 200, 14); labelID.setFont(new Font("Tahoma", Font.BOLD, 14)); labelID.setForeground(Color.WHITE); panel.add(labelID);

comboBox = new JComboBox(new String[]{"Aadhar Card", "VoterID",

"Driving License"}); comboBox.setBounds(271, 73, 150, 20); comboBox.setBackground(new Color(42,54, 59)); comboBox.setForeground(Color.white); comboBox.setFont(new Font("Tahoma", Font.BOLD, 14)); panel.add(comboBox);

JLabel labelNumber = new JLabel("Number :"); labelNumber.setBounds(35, 111, 200, 14); labelNumber.setFont(new Font("Tahoma", Font.BOLD, 14)); labelNumber.setForeground(Color.WHITE); panel.add(labelNumber);

textFieldNumber = new JTextField(); textFieldNumber.setBounds(271, 111, 150, 20); panel.add(textFieldNumber);

JLabel labelName1 = new JLabel("Name :"); labelName1.setBounds(35, 151, 200, 14); labelName1.setFont(new Font("Tahoma", Font.BOLD, 14)); labelName1.setForeground(Color.WHITE); panel.add(labelName1);

textName = new JTextField(); textName.setBounds(271, 151, 150, 20); panel.add(textName);

JLabel labelGender = new JLabel("Gender :"); labelGender.setBounds(35, 191, 200, 14); labelGender.setFont(new Font("Tahoma", Font.BOLD, 14)); labelGender.setForeground(Color.WHITE); panel.add(labelGender);

r1 = new JRadioButton("Male"); r1.setFont(new Font("Tahoma", Font.BOLD, 14)); r1.setForeground(Color.WHITE); r1.setBackground(new Color(42,54, 59)); r1.setBounds(271, 191, 80, 15); panel.add(r1);

r2 = new JRadioButton("Female"); r2.setFont(new Font("Tahoma", Font.BOLD, 14)); r2.setForeground(Color.WHITE); r2.setBackground(new Color(42,54, 59)); r2.setBounds(350, 191, 80, 15); panel.add(r2);

JLabel labelDisease = new JLabel("Disease :"); labelDisease.setBounds(35, 231, 200, 14); labelDisease.setFont(new Font("Tahoma", Font.BOLD, 14)); labelDisease.setForeground(Color.WHITE); panel.add(labelDisease);

textFieldDisease = new JTextField(); textFieldDisease.setBounds(271, 231, 150, 20); panel.add(textFieldDisease);

JLabel labelRoom = new JLabel("Room :"); labelRoom.setBounds(35, 274, 200, 14); labelRoom.setFont(new Font("Tahoma", Font.BOLD, 14)); labelRoom.setForeground(Color.WHITE); panel.add(labelRoom);

//Room Choice// c1 = new Choice(); try { conn c = new conn();

ResultSet resultSet = c.statement.executeQuery("Select \* from Room"); while (resultSet.next()) { c1.add(resultSet.getString("room\_no"));

}

} catch (Exception e) {

e.printStackTrace(); }

c1.setBounds(271, 274, 150, 20); c1.setFont(new Font("Tahoma", Font.BOLD, 14)); c1.setForeground(Color.WHITE); c1.setBackground(new Color(42,54, 59)); panel.add(c1);

JLabel labelTime = new JLabel("Time :"); labelTime.setBounds(35, 316, 200, 14); labelTime.setFont(new Font("Tahoma", Font.BOLD, 14)); labelTime.setForeground(Color.WHITE); panel.add(labelTime); Date date1 = new Date();

date = new JLabel("" + date1); date.setBounds(271, 316, 250, 14); date.setFont(new Font("Tahoma", Font.BOLD, 14)); date.setForeground(Color.WHITE); panel.add(date);

JLabel labelDeposit = new JLabel("Deposit :"); labelDeposit.setBounds(35, 359, 200, 17); labelDeposit.setFont(new Font("Tahoma", Font.BOLD, 14)); labelDeposit.setForeground(Color.WHITE); panel.add(labelDeposit);

textFieldDeposit = new JTextField(); textFieldDeposit.setBounds(271, 359, 150, 20); panel.add(textFieldDeposit);

b1 = new JButton("Add"); b1.setBounds(100, 430, 120, 30); b1.setForeground(Color.WHITE); b1.setBackground(new Color(42,54, 59)); b1.setFont(new Font("Tahoma", Font.BOLD, 14)); b1.addActionListener(this);

panel.add(b1);

b2 = new JButton("Back"); b2.setBounds(260, 430, 120, 30); b2.setForeground(Color.WHITE); b2.setBackground(new Color(42,54, 59)); b2.setFont(new Font("Tahoma", Font.BOLD, 14)); b2.addActionListener(this); panel.add(b2);

setUndecorated(true); setSize(850, 500); setLayout(null); setLocation(400, 210); setVisible(true);

}

public static void main(String[] args) { new New\_patient();

}

@Override public void actionPerformed(ActionEvent e) {

if (e.getSource() == b1) { conn c = new conn(); String radioBTN = null; if (r1.isSelected()) { radioBTN = "Male";

} else if (r2.isSelected()) { radioBTN = "Female";

}

String s1 = (String)comboBox.getSelectedItem();

String s2 = textName.getText();

String s3 = textFieldNumber.getText();

String s4 = radioBTN;

String s5 = textFieldDisease.getText();

String s6 = c1.getSelectedItem();

String s7 = date.getText();

String s8 = textFieldDeposit.getText();

try {

String q = "insert into patient\_info values('"+s1 +"','"+s2 +"','"+s3+"','"+s4+"','"+s5+"','"+s6+"','"+s7+"','"+s8+"')";

String q1 = "update room set Availability = 'Occupied' where room\_no

=" + s6;

c.statement.executeUpdate(q);

c.statement.executeUpdate(q1);

JOptionPane.showMessageDialog(null, "Added Successfully");

} catch (Exception E)

{

E.printStackTrace();

}

} else {

setVisible(false);

}

}

## } 4.4 client Info

package ticket.booking.system;

import net.proteanit.sql.DbUtils;

import javax.swing.\*; import java.awt.\*; import java.awt.event.ActionEvent; import java.awt.event.ActionListener; import java.sql.ResultSet;

public class Patient\_info extends JFrame {

Patient\_info(){

JPanel panel=new JPanel(); panel.setBounds(5,5,990,490); panel.setBackground(new Color(232 ,74 ,95));

panel.setLayout(null); add(panel);

JTable table = new JTable(); table.setBounds(10,45,980,400); table.setBackground(new Color(232 ,74 ,95));

panel.add(table);

try{

conn c= new conn();

String q= "select \* from Patient\_info"; ResultSet resultSet= c.statement.executeQuery(q); table.setModel(DbUtils.resultSetToTableModel(resultSet)); } catch (Exception e) {

e.printStackTrace();

}

JLabel label1 = new JLabel("ID"); label1.setBounds(31,11,100,14); label1.setFont(new Font("Tahoma",Font.BOLD,14)); panel.add(label1);

JLabel label2= new JLabel("Name"); label2.setBounds(145,11,100,14); label2.setFont(new Font("Tahoma",Font.BOLD,14)); panel.add(label2);

JLabel label3 = new JLabel("Number"); label3.setBounds(265,11,100,14); label3.setFont(new Font("Tahoma",Font.BOLD,14)); panel.add(label3);

JLabel label4 = new JLabel("Gender"); label4.setBounds(380,11,100,14); label4.setFont(new Font("Tahoma",Font.BOLD,14)); panel.add(label4);

JLabel label5 = new JLabel("Disease"); label5.setBounds(500,11,100,14); label5.setFont(new Font("Tahoma",Font.BOLD,14)); panel.add(label5);

JLabel label6 = new JLabel("Room Number"); label6.setBounds(625,11,110,14); label6.setFont(new Font("Tahoma",Font.BOLD,14)); panel.add(label6);

JLabel label7 = new JLabel("Time"); label7.setBounds(745,11,100,14); label7.setFont(new Font("Tahoma",Font.BOLD,14)); panel.add(label7);

JLabel label8 = new JLabel("Deposit"); label8.setBounds(870,11,100,14); label8.setFont(new Font("Tahoma",Font.BOLD,14)); panel.add(label8);

JButton but= new JButton("Back"); but.setBounds(450,510,120,30); but.setBackground(Color.BLACK); but.setForeground(Color.WHITE); panel.add(but); but.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) {

setVisible(false);

}

}); setUndecorated(true);

setUndecorated(true); setLayout(null); setSize(1000,500); setLocation(350,200); setVisible(true); setDefaultCloseOperation(EXIT\_ON\_CLOSE);

}

public static void main(String[] args) { new Patient\_info();

}

}

## 4.5 theatre

package ticket.booking.system; import net.proteanit.sql.DbUtils;

import javax.swing.\*; import java.awt.\*; import java.awt.event.ActionEvent; import java.awt.event.ActionListener; import java.sql.ResultSet;

public class Room extends JFrame{

JTable table;

Choice choice;

Room()

{

JPanel panel=new JPanel(); panel.setBounds(5,5,890,490); panel.setBackground(new Color(232 ,74 ,95));

panel.setLayout(null); add(panel);

JLabel status=new JLabel("Status: "); status.setBounds(600,60,186,31); status.setForeground(new Color(42,54, 59)); status.setFont(new Font("Tahoma",Font.BOLD,15)); panel.add(status);

JLabel For=new JLabel("Search For Room");

For.setBounds(250,11,250,34);

For.setForeground(new Color(42,54, 59)); For.setFont(new Font("Tahoma",Font.BOLD,24)); panel.add(For);

choice =new Choice(); choice.setBounds(680,65,120,20); choice.add("Available"); choice.add("Occupied"); panel.add(choice);

table=new JTable(); table.setBounds(40,100,500,330); table.setBackground(new Color(232 ,74 ,95)); table.setForeground(Color.WHITE); panel.add(table);

try{ conn c=new conn();

String q="Select \* from Room";

ResultSet rs= c.statement.executeQuery(q); table.setModel(DbUtils.resultSetToTableModel(rs));

} catch (Exception e)

{

e.printStackTrace();

}

JLabel label1=new JLabel("Room No"); label1.setBounds(42,70,80,15); label1.setFont(new Font("Tahoma",Font.BOLD,14)); label1.setForeground(new Color(42,54, 59)); panel.add(label1);

JLabel label2=new JLabel("Availability"); label2.setBounds(170,70,80,15); label2.setFont(new Font("Tahoma",Font.BOLD,14)); label2.setForeground(new Color(42,54, 59)); panel.add(label2);

JLabel label3=new JLabel("Price"); label3.setBounds(295,70,80,15); label3.setFont(new Font("Tahoma",Font.BOLD,14)); label3.setForeground(new Color(42,54, 59)); panel.add(label3);

JLabel label4=new JLabel("Room Type"); label4.setBounds(420,70,80,15); label4.setFont(new Font("Tahoma",Font.BOLD,14)); label4.setForeground(new Color(42,54, 59)); panel.add(label4);

JButton search=new JButton("Search"); search.setBounds(200,440,120,30); search.setBackground(new Color(42,54, 59)); search.setForeground(Color.WHITE); panel.add(search); search.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) {

String q="Select \* from Room where Availability ='"+choice.getSelectedItem()+"'";

try{

conn c= new conn();

ResultSet rs=c.statement.executeQuery(q); table.setModel(DbUtils.resultSetToTableModel(rs));

}catch (Exception E)

{

E.printStackTrace();

}

}

});

JButton back=new JButton("Back"); back.setBounds(350,440,120,30); back.setBackground(new Color(42,54, 59)); back.setForeground(Color.WHITE); panel.add(back); back.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) {

setVisible(false);

}

});

setUndecorated(true); setSize(900,500); setLayout(null); setLocation(400,200); setVisible(true); } public static void main(String[] arg)

{ new Room();

}

}

## 4.6 Employee Info

package ticket.booking.system; import net.proteanit.sql.DbUtils;

import javax.swing.\*; import java.awt.\*; import java.awt.event.ActionEvent; import java.awt.event.ActionListener; import java.sql.ResultSet;

public class Employee\_info extends JFrame {

Employee\_info() { JPanel panel=new JPanel(); panel.setBounds(5,5,990,490); panel.setBackground(new Color(232,74 ,95));

panel.setLayout(null); add(panel);

JTable table=new JTable(); table.setBounds(10,45,980,400); table.setBackground(new Color(232 ,74 ,95)); table.setForeground(Color.WHITE); table.setFont(new Font("Tahoma",Font.BOLD,12)); panel.add(table);

try

{ conn c=new conn();

String q="select \* from emp\_info"; ResultSet rs= c.statement.executeQuery(q); table.setModel(DbUtils.resultSetToTableModel(rs));

} catch (Exception e)

{

e.printStackTrace();

}

JLabel label1= new JLabel("Name"); label1.setBounds(40,15,70,20); label1.setFont(new Font("Tahoma",Font.BOLD,14)); label1.setForeground(new Color(42,54, 59)); panel.add(label1);

JLabel label2= new JLabel("Age"); label2.setBounds(180,15,70,20); label2.setFont(new Font("Tahoma",Font.BOLD,14)); label2.setForeground(new Color(42,54, 59)); panel.add(label2);

JLabel label3= new JLabel("Phone Number"); label3.setBounds(340,15,150,20); label3.setFont(new Font("Tahoma",Font.BOLD,14)); label3.setForeground(new Color(42,54, 59)); panel.add(label3);

JLabel label4= new JLabel("Salary"); label4.setBounds(505,15,70,20); label4.setFont(new Font("Tahoma",Font.BOLD,14)); label4.setForeground(new Color(42,54, 59)); panel.add(label4);

JLabel label5= new JLabel("Gmail"); label5.setBounds(670,15,70,20); label5.setFont(new Font("Tahoma",Font.BOLD,14)); label5.setForeground(new Color(42,54, 59)); panel.add(label5);

JLabel label6= new JLabel("Aadhar Number"); label6.setBounds(830,15,150,20); label6.setFont(new Font("Tahoma",Font.BOLD,14)); label6.setForeground(new Color(42,54, 59)); panel.add(label6);

JButton back=new JButton("Back"); back.setBounds(430,440,120,30); back.setBackground(new Color(42,54, 59)); back.setForeground(Color.WHITE); panel.add(back); back.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) {

setVisible(false);

}

});

setUndecorated(true);

setSize(1000,500); setLocation(350,200); setLayout(null); setVisible(true);

} public static void main(String[] args)

{ new Employee\_info();

}

}

## 4.7 movie end

package ticket.booking.system;

import javax.swing.\*; import java.awt.\*; import java.awt.event.ActionEvent; import java.awt.event.ActionListener; import java.sql.ResultSet; import java.sql.SQLException; import java.util.Date;

public class Patient\_discharge extends JFrame {

Patient\_discharge(){

JPanel panel = new JPanel(); panel.setBounds(5,5,990,490); panel.setBackground(new Color(232 ,74 ,95));

panel.setLayout(null); add(panel);

JLabel label = new JLabel("CHECK OUT"); label.setBounds(100,20,150,20); label.setFont(new Font("Tahoma",Font.BOLD,20)); label.setForeground(Color.WHITE); panel.add(label);

JLabel label2 = new JLabel("Customer Id"); label2.setBounds(30,80,150,20); label2.setFont(new Font("Tahoma",Font.BOLD,14)); label2.setForeground(Color.WHITE); panel.add(label2);

Choice choice = new Choice(); choice.setBounds(200,80,150,25); panel.add(choice);

try{

conn c= new conn();

ResultSet resultSet = c.statement.executeQuery("select \* from

Patient\_info"); while(resultSet.next())

{ choice.add(resultSet.getString("number"));

}

} catch (Exception e) {

e.printStackTrace();

}

JLabel label3 = new JLabel("Room Number"); label3.setBounds(30,130,150,20); label3.setFont(new Font("Tahoma",Font.BOLD,14)); label3.setForeground(Color.WHITE); panel.add(label3);

JLabel RNo = new JLabel();

RNo.setBounds(200,130,150,20);

RNo.setFont(new Font("Tahoma",Font.BOLD,14)); RNo.setForeground(Color.WHITE); panel.add(RNo);

JLabel label4 = new JLabel("In Time"); label4.setBounds(30,180,150,20); label4.setFont(new Font("Tahoma",Font.BOLD,14)); label4.setForeground(Color.WHITE); panel.add(label4);

JLabel INTime = new JLabel();

INTime.setBounds(200,180,250,20);

INTime.setFont(new Font("Tahoma",Font.BOLD,14)); INTime.setForeground(Color.WHITE); panel.add(INTime);

JLabel label5 = new JLabel("Out Time"); label5.setBounds(30,230,150,20); label5.setFont(new Font("Tahoma",Font.BOLD,14)); label5.setForeground(Color.WHITE); panel.add(label5);

Date date = new Date();

JLabel OUTTime = new JLabel(""+date);

OUTTime.setBounds(200,230,250,20);

OUTTime.setFont(new Font("Tahoma",Font.BOLD,14)); OUTTime.setForeground(Color.WHITE); panel.add(OUTTime);

JButton discharge = new JButton("Discharge"); discharge.setBounds(30,300,120,30); discharge.setBackground(Color.black); discharge.setForeground(Color.white); panel.add(discharge); discharge.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) { conn c= new conn();

try{

// Step 1: Retrieve Room\_Number associated with the selected patient Number

ResultSet rs = c.statement.executeQuery("SELECT Room\_Number FROM Patient\_info WHERE Number='" + choice.getSelectedItem() + "'");

String roomNumber = null;

if (rs.next()) {

roomNumber = rs.getString("Room\_Number");

}

// Step 2: Delete the row from Patient\_info

c.statement.executeUpdate("DELETE FROM Patient\_info WHERE

Number='" + choice.getSelectedItem() + "'");

// Step 3: Update the Room table only if Room\_Number was found

if (roomNumber != null) {

c.statement.executeUpdate("UPDATE Room SET Availability =

'Available' WHERE Room\_No = '" + roomNumber + "'");

}

JOptionPane.showMessageDialog(null,"Done"); setVisible(false);

} catch (SQLException ex) {

ex.printStackTrace();

}

}

});

JButton Check = new JButton("Check");

Check.setBounds(170,300,120,30);

Check.setBackground(Color.black); Check.setForeground(Color.white); panel.add(Check);

/\*Check.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) { conn c= new conn();

try{

ResultSet resultSet = c.statement.executeQuery("select \* from Patient\_info where number='"+ choice.getSelectedItem()+"'");

while(resultSet.next()){

RNo.setText(resultSet.getString("Room"));

INTime.setText(resultSet.getString("Time"));

}

} catch (Exception ex) { ex.printStackTrace();

}

}

});\*/

Check.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) { conn c = new conn();

try {

ResultSet resultSet = c.statement.executeQuery("select \* from

Patient\_info where number='" + choice.getSelectedItem() + "'");

if (resultSet.next()) { // Use if since we expect a single row for the

selected number

RNo.setText(resultSet.getString("Room\_Number")); // Make sure

column name matches exactly in your database

INTime.setText(resultSet.getString("Time")); // Make sure column

name matches exactly in your database

} else {

JOptionPane.showMessageDialog(null, "No record found for

selected patient number.");

}

} catch (SQLException ex) {

ex.printStackTrace();

JOptionPane.showMessageDialog(null, "Error fetching patient

information: " + ex.getMessage());

}

}

});

JButton Back = new JButton("Back");

Back.setBounds(300,300,120,30);

Back.setBackground(Color.black); Back.setForeground(Color.white); panel.add(Back);

Back.addActionListener(new ActionListener() {

@Override public void actionPerformed(ActionEvent e) {

setVisible(false);

}

});

setUndecorated(true); setLayout(null); setSize(1000,500); setLocation(350,200); setVisible(true);

} public static void main(String[] args) { new Patient\_discharge();

}

}