

A mini project report on

HOTEL MANAGEMENT SYSTEM

*For the award of the degree
of*

**BACHELOR OF TECHNOLOGY
In
COMPUTER SCIENCE AND ENGINEERING**

(II Year - II Semester)

ADVANCED JAVA PROGRAMMING LAB

Submitted by

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SRKR ENGINEERING COLLEGE(A)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S.R.K.R. ENGINEERING COLLEGE

BHIMAVARAM



CERTIFICATE

This is to certify that this is a bonafide work on “**Hotel Management System**” and has been submitted by Mr.G.N.S.S.PAVAN (20B95A0505), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering, during the academic year 2020-2021. The candidate worked right under my Supervision and guidance.

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ABSTRACT

The project titled Hotel Management System is Hotel management software for the purpose of monitoring and controlling the transactions in a Hotel.

The project is aimed to maintain the day-to-day state of admission/vacation of Residents, List of employees, room details etc. Main objective of this project is to provide a solution for hotels to manage most their work using computerized processes. It manages and maintains the records of customers, rooms, employees and drivers in the hotel.

This software application will help admin to handle customer information, room allocation details, Payment details etc.

The Purpose of the whole process is to ease the daily or regular activities of the Hotel Management into an automatic computerized retrievable process. The daily activities includes the Room activities, Entering details of the new customer check in, To allocate a room as per the customer need and interest, Recording the checkout time and details, Releasing or Empty of room and to record the process in a computer system for future.

The user will find it easy in the automated system rather than using the manual writing system. The system contains a database where all the information will be stored safely.

1. MODULES

1.1 LOGIN MODULE:

- Authentication
 1. Username and password from registered data
 2. If true goes to another page if wrong shows error.
 3. Verifies the credentials with database and logs in if true

1.2 ADMIN MODULE:

- In this module the admin can handle records like
 1. Add a new Room.
 2. Add an Employee
 3. Add a new Customer

1.3 RECEPTIONIST MODULE:

- Receptionist module contains the details
 1. Add a new customer
 2. Allocate rooms
 3. Can check all room details
 4. Customers details
 5. Employee details
 6. Search for a particular room etc.

2. SOFTWARE REQUIREMENT SPECIFICATIONS

2.1 PURPOSE

Hotel Management System allows the admin user to store the customer details and maintains records. The main theme of the project is to save the time. By this we can reduce the manual work. It manages and maintains the records of customers, rooms, employees and drivers in the hotel.

2.2 SCOPE

The scope of this project is to solve the problem of time complexity to the admin and also to the receptionist. keeping track of records of daily transaction. Admins have the authority to control and modify the database

2.3 OBJECTIVE

The objective of the Hotel Management System is to develop a project which maintains booking of rooms, providing drivers, etc.

Main objective of this project is to provide solution for hotel to manage most their work using computerized process, easy, reduce the time and to maintain the data.

2.4 EXISTING SYSTEM

In the existing Hotel management system, it is difficult for both the admin and the receptionist that they should search for the records and maintain the transaction details in books. The admin has to update the information manually. In the existing manual system, a lot of time is spent in communicating the information across different branches. There is a need for an automated system, which has some centralized control over the entire process. Conventional System makes use of huge amounts of paper for recording transactions. All the Hotel records are to be maintained for the details of each customer, Fee details, Room Allocation etc.

Drawbacks:

- ❖ Wastage of lots of time (Time consuming).
- ❖ Requires manual work.
- ❖ Inaccuracy of data.

2.5 PROPOSED SYSTEM

Proposed system is the computerized version of the existing system which provides easy and quick access over the data. Keeping the records of admission of Resident properly so that facilities provided by Hotels are fully utilized in effective and efficient manner.

Advantages:

- ❖ Reduces the time(Less Time consuming).
- ❖ Maintain accuracy.
- ❖ The admin can easily access the database.

2.6 REQUIREMENT ANALYSIS

Analysis focuses on producing a model of the system called the analysis model, which is correct, complete, consistent and verifiable. Analysis model is composed mainly of three individual models.

- Functional model
- Analysis object model
- Analysis dynamic model

The functional model represents the use of case diagrams, the object model with class diagram and the dynamic model with state chart and sequence diagrams.

2.7 FUNCTIONAL REQUIREMENTS

Functional requirements define the fundamental actions that system must perform. The functional requirements for the system are divided into three main categories Reservation Booking(Check-in Check-out),Maintenance and Management.

2.8 NON-FUNCTIONAL REQUIREMENTS

Non-functional requirements define the needs in terms of performance, logical database, requirements, designs constraints, standards compliance, reliability, availability, security, maintainability and portability. Non-functional requirements are the limitations or constraints under which the system should provide its services to users. Following are the nonfunctional requirements for Hotel management system.

2.8.1 RELIABILITY

Specify the factors required to establish the required reliability of the software system at time of delivery. This system is more reliable and effective because of the quality of service to the user.

2.8.2 COST

The cost of product development and maintenance is minimum.

2.8.3 PERFORMANCE

This system is developed in the high-level languages front end using java APIs back end using MySQL. It will give response to the end within the least time.

2.8.4 SUPPORTABILITY

Java Data Base Connection supports the system.

2.8.5 SECURITY

This system provides high secured data. The non-authorized users access the system.

2.9 PSEUDO REQUIREMENTS:

2.9.1. SOFTWARE REQUIREMENTS

1. Web server - MySql 5.5 command line client
2. Operating System - Supports WINDOWS, UNIX/LINUX

2.9.2 HARDWARE REQUIREMENTS

1. Processor - Intel(R) Core(TM) i3-6006U CPU @2.00GHz 1.99GHz
2. RAM - 2GB or above
3. Hard Disk - 250GB or above

3. DATABASE CONNECTIVITY

Table 3.1: LOGIN DATA

Name	Type
Username	Varchar(30)
Password	Varchar(30)

Table 3.2: CUSTOMER DATA

Name	Type
id	Varchar(30)
number	Numeric(30)
name	Varchar(30)
gender	Varchar(30)
country	Varchar(30)
Room number	Numeric(30)
Status	Varchar(30)
Deposit	Numeric(30)

Table 3.3: ROOM DETAILS

Name	Type
Room_number	Numeric(30)
availability	Varchar(30)
Clean status	Varchar(30)
Price	Number(30)
BedType	Varchar(30)

Table 3.4: EMPLOYEE DATA

Name	Type
Name	Varchar(30)
Age	Numeric(30)
Gender	Varchar(30)
Job	Varchar(30)
Salary	Number(30)
Phone	Number(30)
Adhar	Number(30)
Email	Varchar(30)

Table 3.5: DRIVER DATA

Name	Type
Name	Varchar(30)
Age	Numeric(30)
Gender	Varchar(30)
Company	Varchar(30)
Brand	Varchar(30)
Available	Varchar(30)
Location	Varchar(30)

Table 3.6: DEPARTMENT

Name	Type
Department	Varchar(30)
Budget	Numeric(30)

4. OUTPUT SCREENS

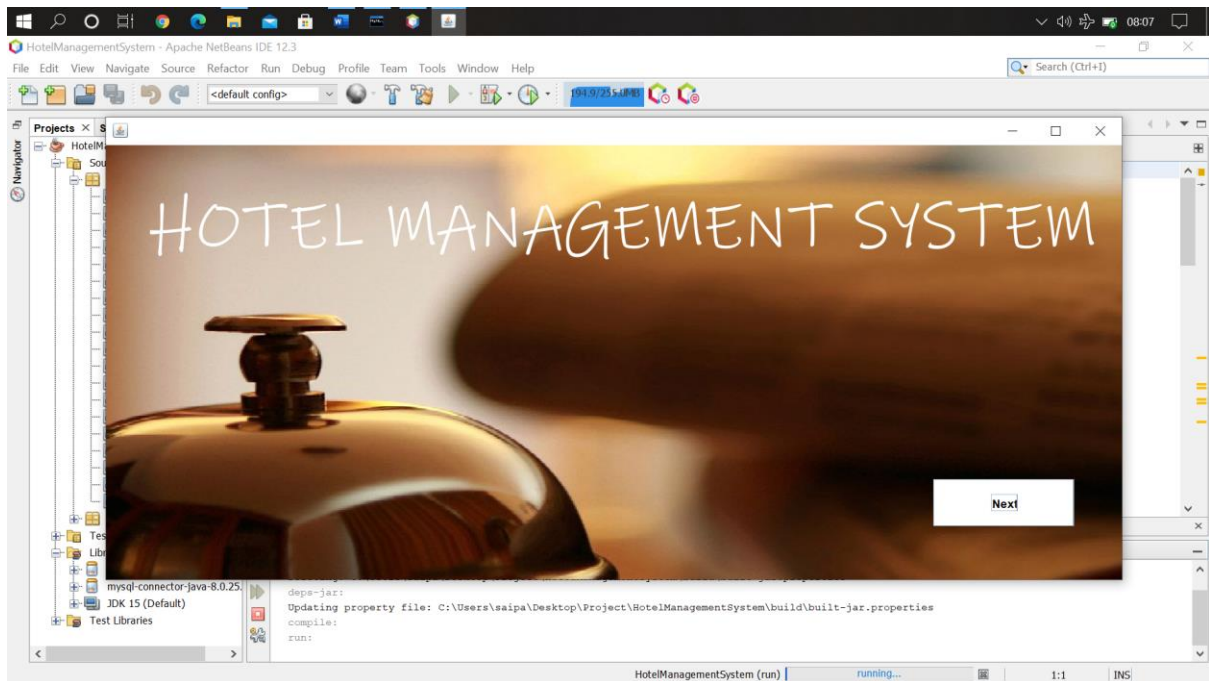


Fig.4.1: Title

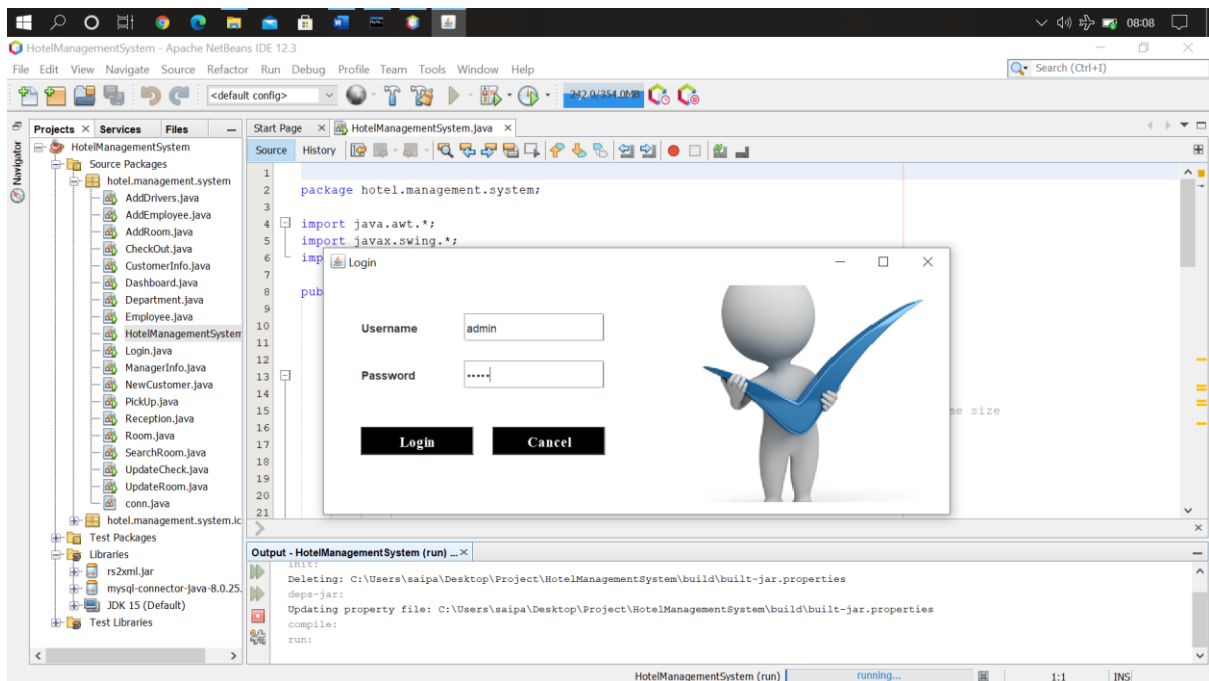


Fig.4.2: Login Form

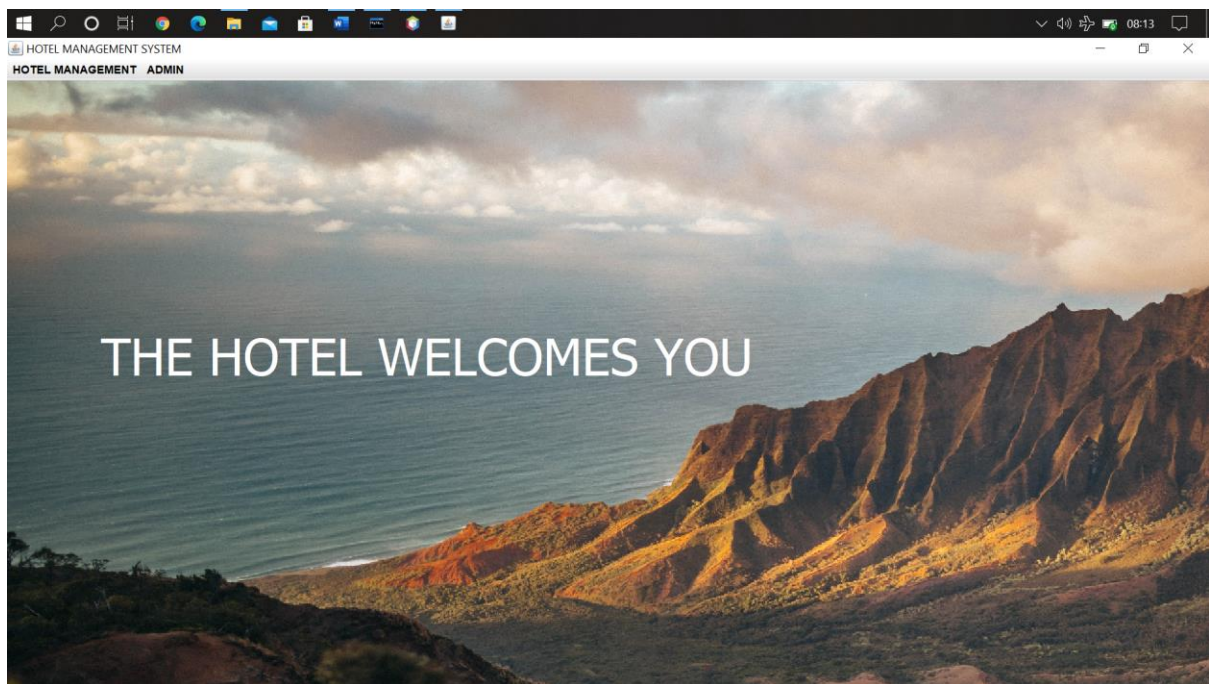


Fig.4.3: Dashboard

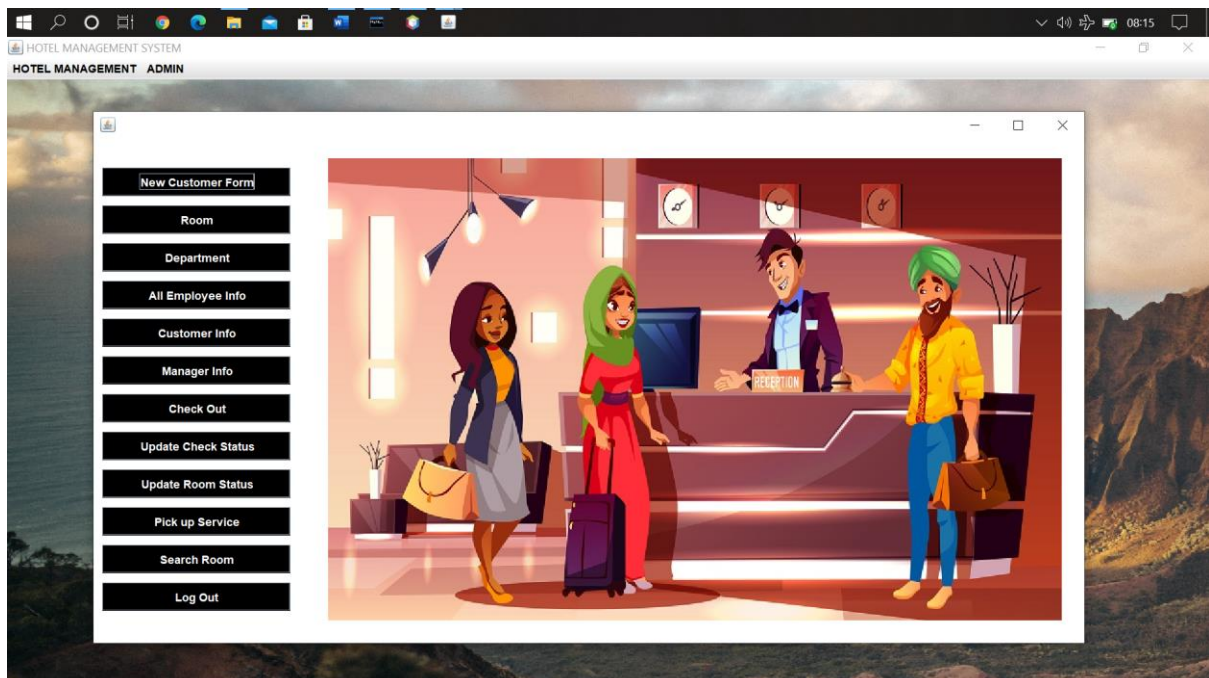


Fig.4.4: Reception

NEW CUSTOMER FORM

ID :

Number :

Name :

Gender : ☐ Male ☐ Female

Country :

Allocated Room Number :

Checked-In :

Deposit :

Add **Back**

BOOK YOUR STAY

Fig.4.5:New Customer Form

Room Number	Availability	Clean Status	Price	Bed Type
101	Occupied	Cleaned	5000	Single Bed
102	Occupied	Cleaned	10000	Double Bed
103	Available	Cleaned	5000	Single Bed
104	Available	Cleaned	10000	Double Bed
105	Available	Cleaned	7000	Single Bed
106	Available	Cleaned	12000	Double Bed
107	Occupied	Cleaned	7000	Single Bed
108	Occupied	Cleaned	12000	Double Bed

Load Data **Back**

Fig .4.6:Rooms Details

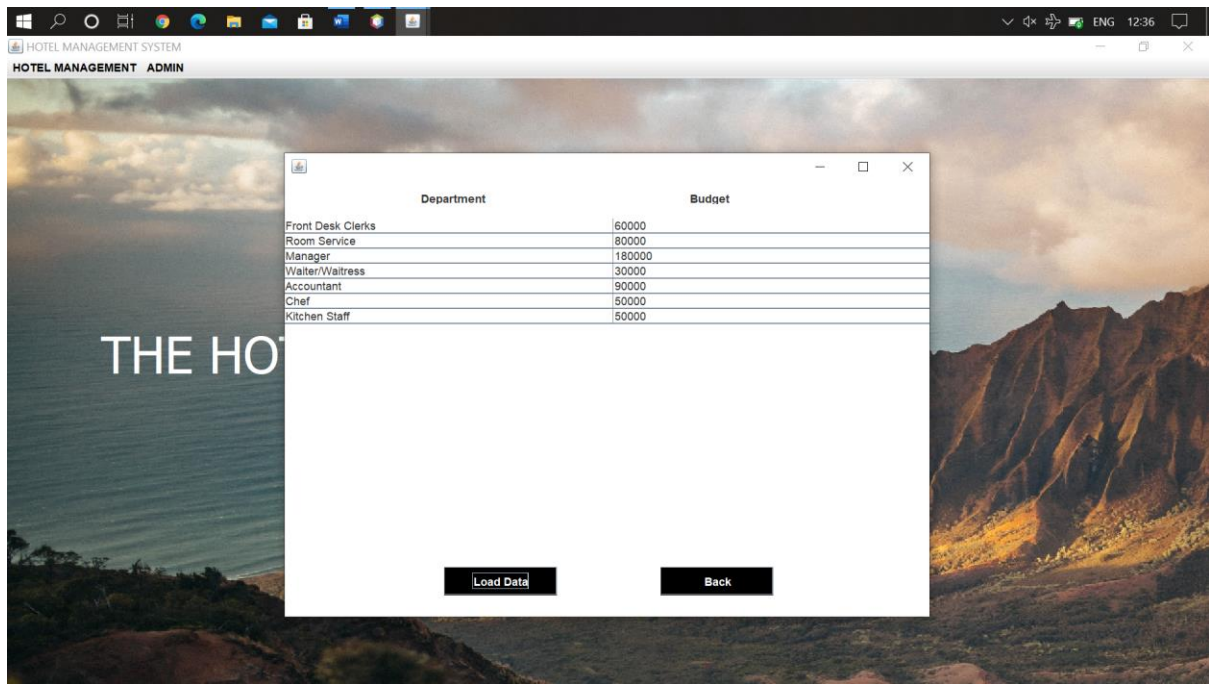


Fig .4.7:Department Details

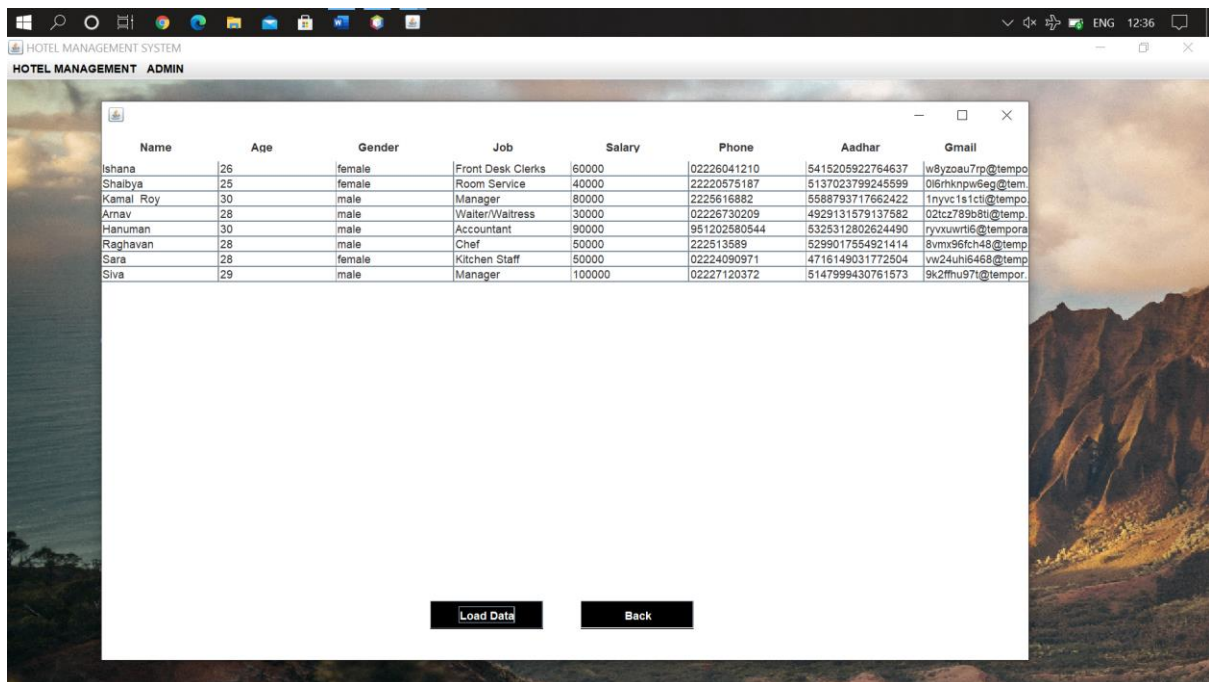


Fig. 4.8: Employee Details

ID	Numb...	Name	Gender	Count...	Room	Check-in Status	Deposit
Aadhar Card	4929044979822309	Marisha	Female	India	101	yes	2500
Passport	5415206823764726	Krishna	Male	India	102	yes	7000
Passport	5252054547110982	Mithra	Male	US	108	yes	10000
Driving license	2228625111	Sharama	Male	India	107	yes	5000

Load Data Back

Fig. 4.9: Customer Details

Name	Age	Gender	Job	Salary	Phone	Aadhar	Gmail
Kamal Roy	30	male	Manager	80000	2225616882	5588793717662422	1nyvc1s1cti@tempo.
Siva	29	male	Manager	100000	02227120372	5147999430761573	9k2ffnu97ti@tempor.

Load Data Back

Fig. 4.10: Manager Details

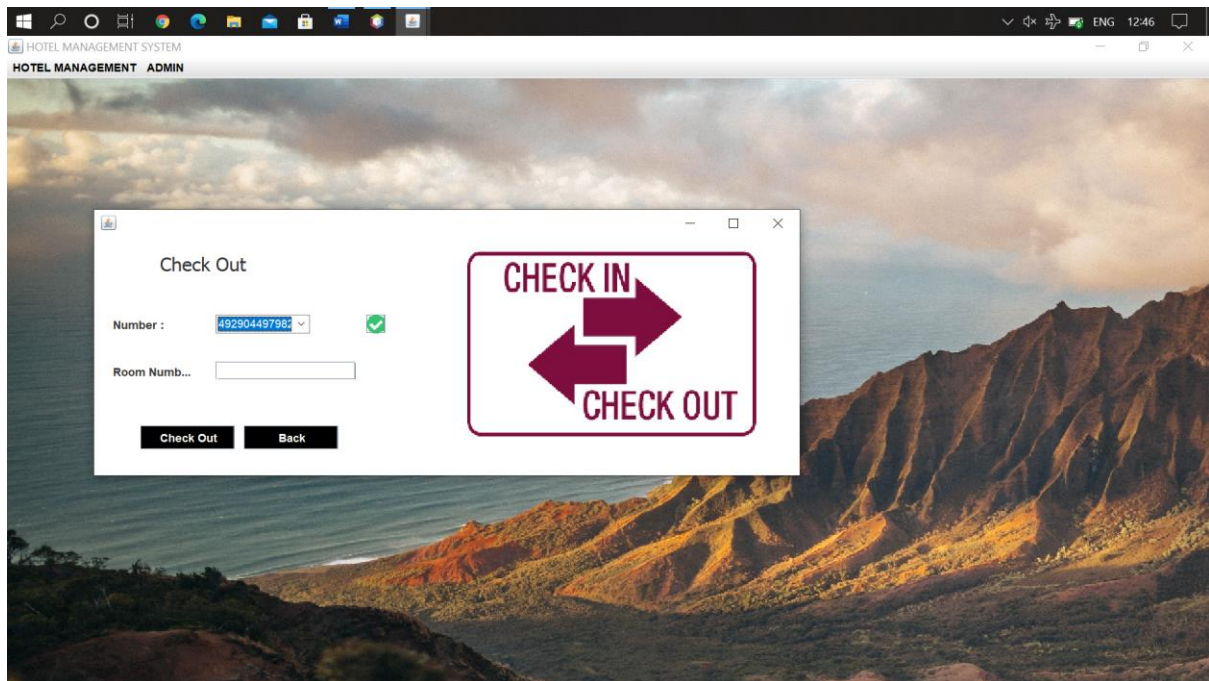


Fig. 4.11: Check-out

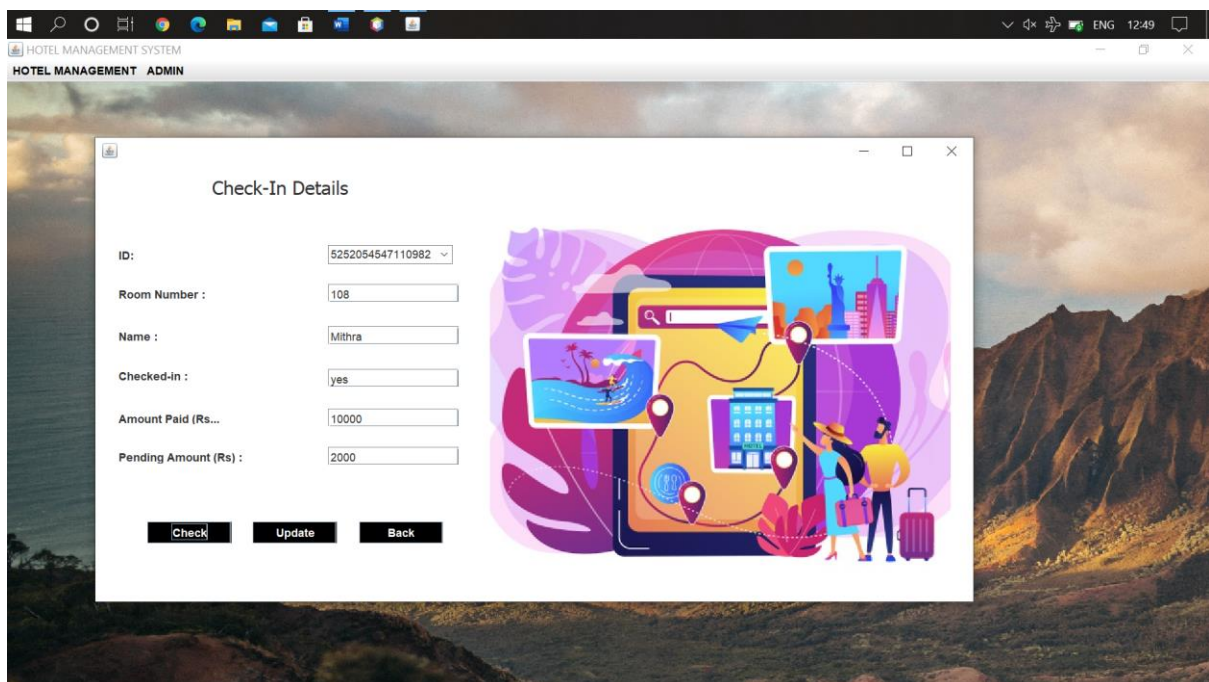


Fig. 4.12: Check-In

HOTEL MANAGEMENT SYSTEM
HOTEL MANAGEMENT ADMIN

Update Room Status

Guest ID: 5415206823764726

Room Number: 102

Availability: Occupied

Clean Status: Cleaned

Check

Update Back

Fig. 4.13: Room Status

HOTEL MANAGEMENT SYSTEM
HOTEL MANAGEMENT ADMIN

Pick Up Service

Type of Car: Tesla

Name	Age	Gender	Company	Brand	Available	Location
Silva	25	Male	Asiatic Driving	Tesla	Yes	51, Jain Mandir B

Display Back

Fig. 4.14: Pick Up Service

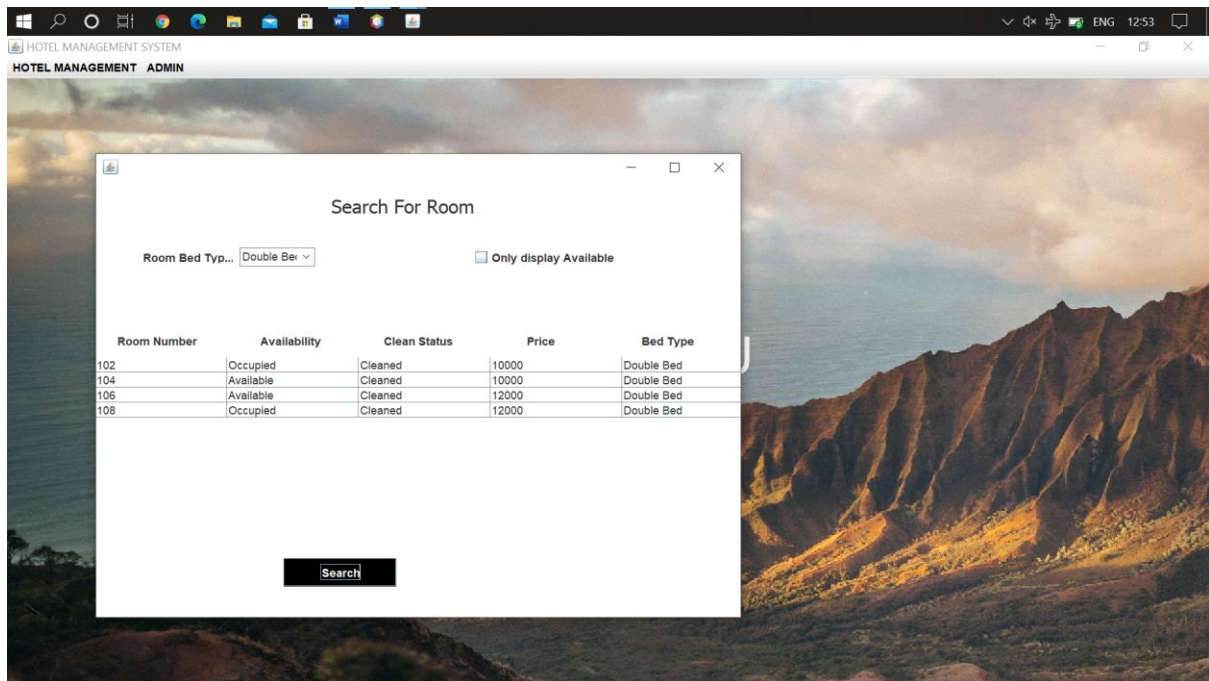


Fig. 4.15: Room Availability Details

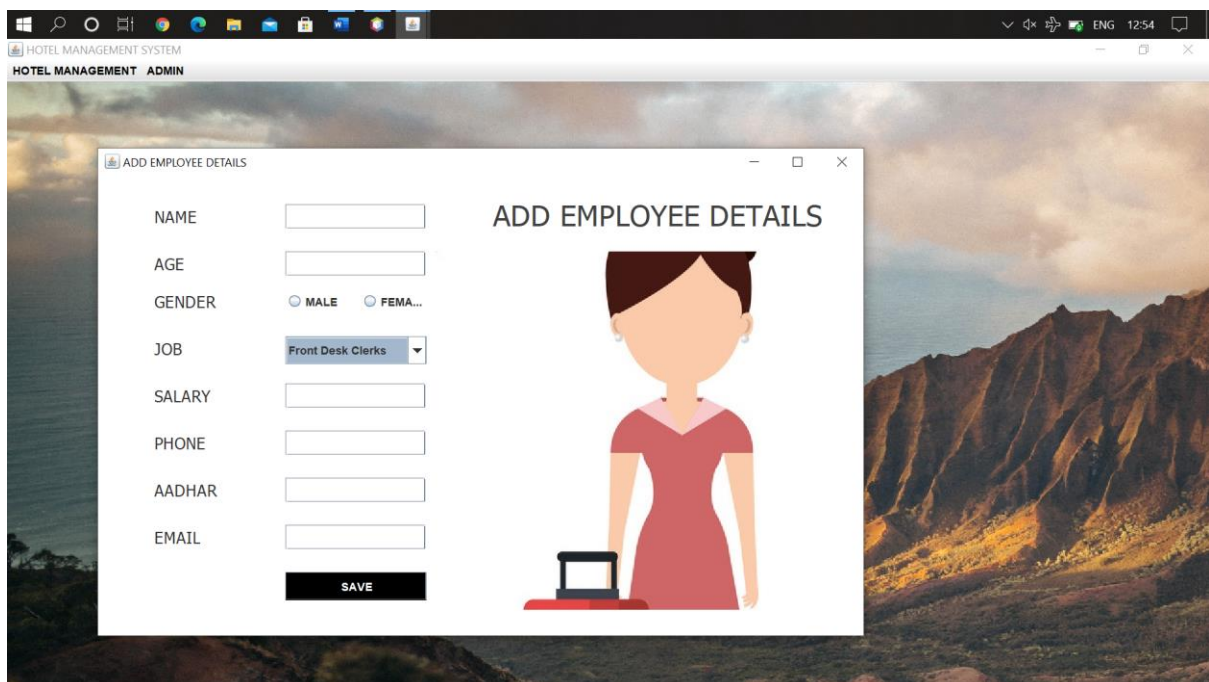
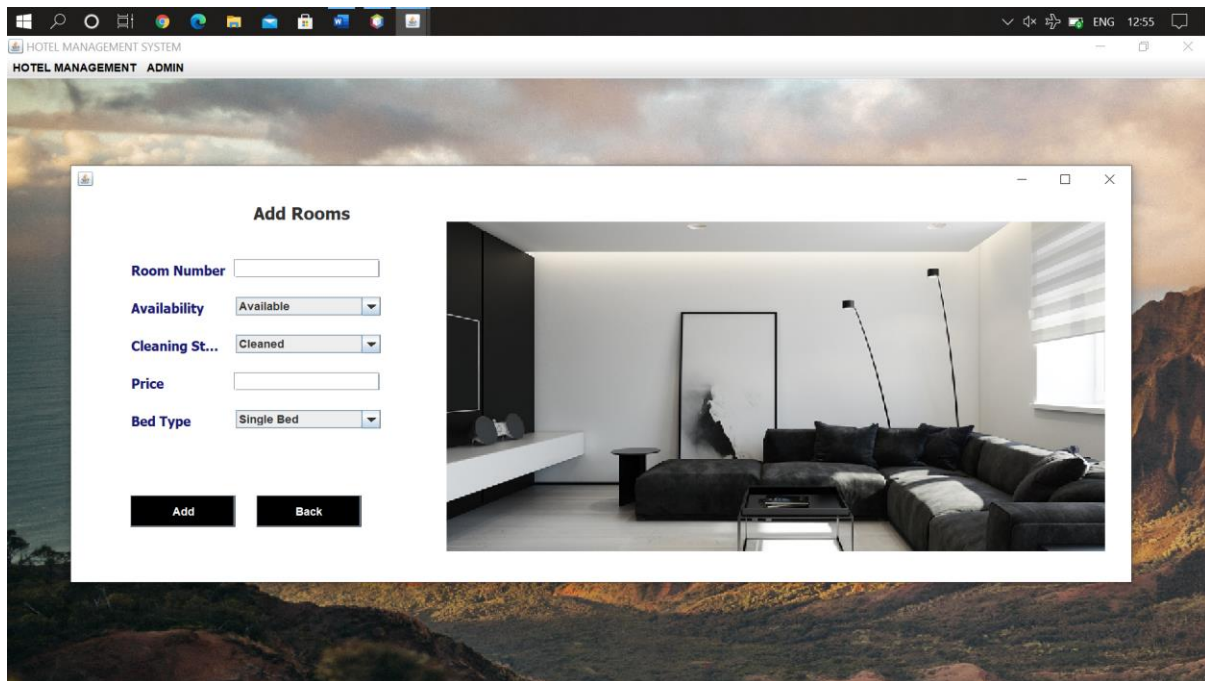


Fig. 4.16: Add Employee Details



Hotel Management System
HOTEL MANAGEMENT ADMIN

Add Rooms

Room Number

Availability

Cleaning St...

Price

Bed Type


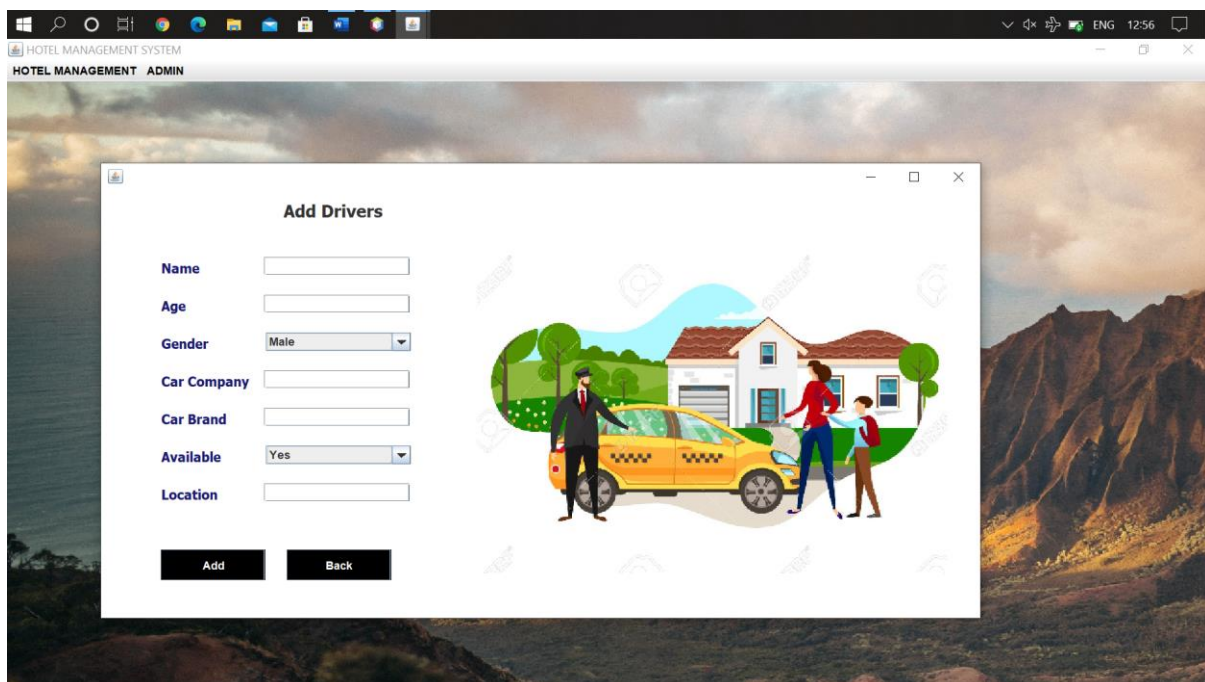


Fig. 4.17: Add Room Details



Hotel Management System
HOTEL MANAGEMENT ADMIN

Add Drivers

Name

Age

Gender

Car Company

Car Brand

Available

Location




Fig. 4.18: Add Driver Details

5. CODE

HotelManagementSystem.java

```
package hotel.management.system;

import java.awt.*;
import javax.swing.*;
import java.awt.event.*;

public class HotelManagementSystem extends JFrame implements ActionListener{

    JLabel l1;

    JButton b1;

    public HotelManagementSystem() {

        setSize(1100,500);    // setContentPane(300,300,1366,390); frame size

        setLayout(null);

        setLocation(300,300);

        l1 = new JLabel("");

        b1 = new JButton("Next");

        b1.setBackground(Color.WHITE);

        b1.setForeground(Color.BLACK);

        ImageIcon i1 = new
HotelManagementSystem(ClassLoader.getResource("hotel/management/system/icons/wp8521453-hotel-
management-wallpapers.jpg"));

        Image i3 = i1.getImage().getScaledInstance(1920,1000,Image.SCALE_DEFAULT);

        ImageIcon i2 = new ImageIcon(i3);

        l1 = new JLabel(i2);

        JLabel lid=new JLabel("HOTEL MANAGEMENT SYSTEM");

        lid.setBounds(47,37,1500,100);

        lid.setFont(new Font("Ink Free",Font.PLAIN,70));

        lid.setForeground(Color.white);

        l1.add(lid);

        b1.setBounds(880,355,150,50);
```

```

l1.setBounds(0, 0, 1366, 500);

l1.add(b1); add(l1);

b1.addActionListener(this);

setVisible(true);

while(true) {

    lid.setVisible(false); // lid = j label

    try { Thread.sleep(500); //1000 = 1 second } catch(Exception e) { }

    lid.setVisible(true);

    try { Thread.sleep(500); }

        catch(Exception e){} } }

public void actionPerformed(ActionEvent ae){

    new Login().setVisible(true);

    this.setVisible(false); }

public static void main(String[] args) {

    HotelManagementSystem window = new HotelManagementSystem();

    window.setVisible(true);    }

}

```

Login.java

```

package hotel.management.system;

import java.awt.*;

import javax.swing.*;

import java.awt.event.*;

import java.sql.*;

public class Login extends JFrame implements ActionListener{

    JLabel l1,l2;

    JTextField t1;

    JPasswordField t2;

    JButton b1,b2;

    Login() { super("Login");

```



```

setLayout(null); l1 = new JLabel("Username");

l1.setBounds(40,40,100,30); add(l1); l2 = new JLabel("Password");

l2.setBounds(40,90,100,30); add(l2); t1=new JTextField();

t1.setBounds(150,40,150,30); add(t1); t2=new JPasswordField();

t2.setBounds(150,90,150,30); add(t2);

ImageIcon i1 = new
ImageIcon(ClassLoader.getResource("hotel/management/system/icons/sponsorLoginImage.j
pg"));

Image i2 = i1.getImage().getScaledInstance(250,296,Image.SCALE_DEFAULT);

ImageIcon i3 = new ImageIcon(i2); JLabel l3 = new JLabel(i3);

l3.setBounds(350,10,340,230); add(l3); b1 = new JButton("Login"); b1.setBounds(40,160,120,30);

b1.setFont(new Font("serif",Font.BOLD,15)); b1.addActionListener(this);

b1.setBackground(Color.BLACK); b1.setForeground(Color.WHITE); add(b1);

b2=new JButton("Cancel"); b2.setBounds(180,160,120,30);

b2.setFont(new Font("serif",Font.BOLD,15)); b2.setBackground(Color.BLACK);

b2.setForeground(Color.WHITE); add(b2); b2.addActionListener(this);

getContentPane().setBackground(Color.WHITE);

setVisible(true); setSize(680,290); setLocation(600,350); }

public void actionPerformed(ActionEvent ae) {

    if(ae.getSource()==b1) {

        try { conn c1 = new conn(); String u = t1.getText(); String v = t2.getText();

            String q = "select * from login where username='"+u+"' and password='"+v+"'";

            ResultSet rs = c1.s.executeQuery(q);

            if(rs.next()) { new Dashboard().setVisible(true); setVisible(false); }

            else{ JOptionPane.showMessageDialog(null, "Invalid login"); setVisible(false); }

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

    }else if(ae.getSource()==b2) { System.exit(0); } }

public static void main(String[] arg) {

    new Login(); }

```

```
}
```

Dashboard.java

```
package hotel.management.system;

import java.awt.*;
import javax.swing.*;
import java.awt.event.*;

public class Dashboard extends JFrame{

    public static void main(String[] args) {

        new Dashboard().setVisible(true);

    }

    public Dashboard() {

        super("HOTEL MANAGEMENT SYSTEM");

        setForeground(Color.CYAN); setLayout(null);

        ImageIcon i1 = new
        ImageIcon(ClassLoader.getResource("hotel/management/system/icons/pexels-roberto-
        nickson-2559941.jpg"));

        Image i2 = i1.getImage().getScaledInstance(1950, 1000,Image.SCALE_DEFAULT);

        ImageIcon i3 = new ImageIcon(i2);

        JLabel NewLabel = new JLabel(i3);

        NewLabel.setBounds(0, 0, 1950, 1000); add(NewLabel);

        JLabel Am1 = new JLabel("THE HOTEL WELCOMES YOU");

        Am1.setForeground(Color.WHITE);

        Am1.setFont(new Font("Tahoma", Font.PLAIN, 54));

        Am1.setBounds(100,250, 1000, 85); NewLabel.add(Am1);

        JMenuBar menuBar = new JMenuBar(); setJMenuBar(menuBar);

        JMenu As = new JMenu("HOTEL MANAGEMENT");

        As.setForeground(Color.black); menuBar.add(As);

        JMenuItem reception1 = new JMenuItem("RECEPTION"); As.add(reception1);

        JMenu As1 = new JMenu("ADMIN");
```

```

As1.setForeground(Color.black);    menuBar.add(As1);

JMenuItem Fd3 = new JMenuItem("ADD EMPLOYEE");    As1.add(Fd3);

Fd3.addActionListener(new ActionListener(){

    public void actionPerformed(ActionEvent ae){

        try{    new AddEmployee().setVisible(true);    }

        catch(Exception e ){ }    } });

JMenuItem Fd1 = new JMenuItem("ADD ROOMS");    As1.add(Fd1);

Fd1.addActionListener(new ActionListener(){

    public void actionPerformed(ActionEvent ae){

        try{    new AddRoom().setVisible(true);    }catch(Exception e ){ }    } });

    reception1.addActionListener(new ActionListener(){

        public void actionPerformed(ActionEvent ae){    new Reception();    } });

JMenuItem Fd2 = new JMenuItem("ADD DRIVERS"); As1.add(Fd2);

    Fd2.addActionListener(new ActionListener(){

        public void actionPerformed(ActionEvent ae){

            try{    new AddDrivers().setVisible(true);    } catch(Exception e ) { }    } });

    setSize(1950,1090);    setVisible(true);

    getContentPane().setBackground(Color.WHITE);    } }

```

Reception.java

```

package hotel.management.system;

import javax.swing.*.*;
import java.sql.*;
import java.awt.event.*;
import java.awt.*.*;

public class Reception extends JFrame {

    private JPanel contentPane;

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

    public Reception(){    setBounds(530, 200, 1070, 570);

        contentPane = new JPanel();    setContentPane(contentPane);    contentPane.setLayout(null);
    }
}

```



```

        ImageIcon i1 = new
        ImageIcon(ClassLoader.getResource("hotel/management/system/icons/944.jpg"));

        JLabel l1 = new JLabel(i1);  l1.setBounds(250,20,780,490);  add(l1);

        JButton btnNewCustomerForm = new JButton("New Customer Form");

        btnNewCustomerForm.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent e) {

try{ NewCustomer custom = new NewCustomer(); custom.setVisible(true);  setVisible(false); }

catch(Exception e1){ e1.printStackTrace(); } } });

        btnNewCustomerForm.setBounds(10, 30, 200, 30);
        btnNewCustomerForm.setBackground(Color.BLACK);

        btnNewCustomerForm.setForeground(Color.WHITE); contentPane.add(btnNewCustomerForm);

        JButton btnNewButton = new JButton("Room");

        btnNewButton.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent arg0) {

                try{ Room room = new Room(); room.setVisible(true); setVisible(false); }

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

        btnNewButton.setBounds(10, 70, 200, 30); btnNewButton.setBackground(Color.BLACK);

        btnNewButton.setForeground(Color.WHITE); contentPane.add(btnNewButton);

        JButton btnNewButton_1 = new JButton("Department");

        btnNewButton_1.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent e) {

                try{ Department dept = new Department();

                    dept.setVisible(true);  setVisible(false); }

                catch (Exception e1){ e1.printStackTrace(); } } });

        btnNewButton_1.setBounds(10, 110, 200, 30); btnNewButton_1.setBackground(Color.BLACK);
        btnNewButton_1.setForeground(Color.WHITE); contentPane.add(btnNewButton_1);

        JButton btnNewButton_2 = new JButton("All Employee Info");

        btnNewButton_2.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent e) {

                try{ Employee em = new Employee(); em.setVisible(true); setVisible(false); }

```

```

        catch (Exception e1){ e1.printStackTrace(); } } });

btnNewButton_2.setBounds(10, 150, 200, 30); btnNewButton_2.setBackground(Color.BLACK);
btnNewButton_2.setForeground(Color.WHITE); contentPane.add(btnNewButton_2);

JButton btnNewButton_3 = new JButton("Customer Info");

    btnNewButton_3.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

try{ CustomerInfo customer = new CustomerInfo(); customer.setVisible(true); setVisible(false); }

        catch (Exception e1){ e1.printStackTrace(); } } });

btnNewButton_3.setBounds(10, 190, 200, 30); btnNewButton_3.setBackground(Color.BLACK);
btnNewButton_3.setForeground(Color.WHITE); contentPane.add(btnNewButton_3);

JButton btnManagerInfo = new JButton("Manager Info");

    btnManagerInfo.addActionListener(new ActionListener() {

        public void actionPerformed(ActionEvent e) {

            try{ ManagerInfo mana = new ManagerInfo();

                mana.setVisible(true); setVisible(false); }

            catch (Exception e1){ e1.printStackTrace(); } } });

btnManagerInfo.setBounds(10, 230, 200, 30); btnManagerInfo.setBackground(Color.BLACK);
btnManagerInfo.setForeground(Color.WHITE); contentPane.add(btnManagerInfo);

JButton btnNewButton_4 = new JButton("Check Out");

    btnNewButton_4.addActionListener(new ActionListener() {

        public void actionPerformed(ActionEvent e) { Checkout check;

            try { check = new Checkout(); check.setVisible(true); (false); }

            catch (SQLException e1) { e1.printStackTrace(); } } });

btnNewButton_4.setBounds(10, 270, 200, 30); btnNewButton_4.setBackground(Color.BLACK);
btnNewButton_4.setForeground(Color.WHITE); contentPane.add(btnNewButton_4);

JButton btnNewButton_5 = new JButton("Update Check Status");

    btnNewButton_5.addActionListener(new ActionListener() {

        public void actionPerformed(ActionEvent e) {

            try{ UpdateCheck update = new UpdateCheck(); update.setVisible(true); setVisible(false); }

```

```

        catch(Exception e1){ e1.printStackTrace(); } } });

btnNewButton_5.setBounds(10, 310, 200, 30); btnNewButton_5.setBackground(Color.BLACK);

btnNewButton_5.setForeground(Color.WHITE); contentPane.add(btnNewButton_5);

JButton btnNewButton_6 = new JButton("Update Room Status");

        btnNewButton_6.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent e) {

                try{ UpdateRoom room = new UpdateRoom(); room.setVisible(true); setVisible(false); }

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

btnNewButton_6.setBounds(10, 350, 200, 30); btnNewButton_6.setBackground(Color.BLACK);

btnNewButton_6.setForeground(Color.WHITE); contentPane.add(btnNewButton_6);

JButton btnPickUpSerice = new JButton("Pick up Service");

        btnPickUpSerice.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent arg0) {

try{ Pickup pick = new Pickup(); pick.setVisible(true); setVisible(false); }

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

btnPickUpSerice.setBounds(10, 390, 200, 30); btnPickUpSerice.setBackground(Color.BLACK);
btnPickUpSerice.setForeground(Color.WHITE); contentPane.add(btnPickUpSerice);

JButton btnSearchRoom = new JButton("Search Room");

        btnSearchRoom.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent e) {

try { SearchRoom search = new SearchRoom(); search.setVisible(true); setVisible(false); }

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

btnSearchRoom.setBounds(10, 430, 200, 30); btnSearchRoom.setBackground(Color.BLACK);

btnSearchRoom.setForeground(Color.WHITE); contentPane.add(btnSearchRoom);

JButton btnNewButton_7 = new JButton("Log Out");

        btnNewButton_7.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent ae) {

try { new Login().setVisible(true); setVisible(false); }

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

```

```

btnNewButton_7.setBounds(10, 470, 200, 30); btnNewButton_7.setBackground(Color.BLACK);
btnNewButton_7.setForeground(Color.WHITE); contentPane.add(btnNewButton_7);
getContentPane().setBackground(Color.WHITE); setVisible(true); } }

```

NewCustomer.java

```

package hotel.management.system;

import java.awt.BorderLayout;
import java.awt.*;
import java.awt.EventQueue;
import javax.swing.border.EmptyBorder;
import java.awt.Font;
import java.awt.Image;
import java.sql.*;
import javax.swing.*;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class NewCustomer extends JFrame {

    Connection conn = null; PreparedStatement pst = null;

    private JPanel contentPane; private JTextField t1,t2,t3,t4,t5,t6;
    JComboBox comboBox; JRadioButton r1,r2; Choice c1;

    public static void main(String[] args) {

        EventQueue.invokeLater(new Runnable() {

            public void run() {

                try { NewCustomer frame = new NewCustomer(); frame.setVisible(true); }

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

        public NewCustomer() throws SQLException {

            setBounds(650, 200, 1000, 550); contentPane = new JPanel();

            setContentPane(contentPane); contentPane.setLayout(null);

            ImageIcon i1 = new
            ImageIcon(ClassLoader.getResource("hotel/management/system/icons/hotel-credits.png"));

```

```

Image i3 = i1.getImage().getScaledInstance(500,350,Image.SCALE_DEFAULT);

ImageIcon i2 = new ImageIcon(i3); JLabel l1 = new JLabel(i2);

l1.setBounds(460,70,500,350); add(l1);

JLabel lblName = new JLabel("NEW CUSTOMER FORM");

lblName.setFont(new Font("Yu Mincho", Font.PLAIN, 20)); lblName.setBounds(118, 11, 260, 53);

contentPane.add(lblName); JLabel lblId = new JLabel("ID :"); lblId.setBounds(35, 76, 200, 14);

contentPane.add(lblId); comboBox = new JComboBox(new String[] {"Passport", "Aadhar Card",
"Voter Id", "Driving license"});

comboBox.setBounds(271, 73, 150, 20); contentPane.add(comboBox);

JLabel l2 = new JLabel("Number :"); l2.setBounds(35, 111, 200, 14);

contentPane.add(l2); t1 = new JTextField(); t1.setBounds(271, 111, 150, 20); contentPane.add(t1);

t1.setColumns(10); JLabel lblName_1 = new JLabel("Name :");

lblName_1.setBounds(35, 151, 200, 14); contentPane.add(lblName_1); t2 = new JTextField();

t2.setBounds(271, 151, 150, 20); contentPane.add(t2); t2.setColumns(10);

JLabel lblGender = new JLabel("Gender :"); lblGender.setBounds(35, 191, 200, 14);

contentPane.add(lblGender); r1 = new JRadioButton("Male");

r1.setFont(new Font("Raleway", Font.BOLD, 14)); r1.setBackground(Color.WHITE);

r1.setBounds(271, 191, 80, 12); add(r1); r2 = new JRadioButton("Female");

r2.setFont(new Font("Raleway", Font.BOLD, 14)); r2.setBackground(Color.WHITE);

r2.setBounds(350, 191, 100, 12); add(r2); JLabel lblCountry = new JLabel("Country :");

lblCountry.setBounds(35, 231, 200, 14); contentPane.add(lblCountry);

JLabel lblReserveRoomNumber = new JLabel("Allocated Room Number :");

lblReserveRoomNumber.setBounds(35, 274, 200, 14); contentPane.add(lblReserveRoomNumber);

c1 = new Choice();

try{ conn c = new conn(); ResultSet rs = c.s.executeQuery("select * from room");

    while(rs.next()){ c1.add(rs.getString("room_number")); } }

catch(Exception e){ } c1.setBounds(271, 274, 150, 20); contentPane.add(c1);

JLabel lblCheckInStatus = new JLabel("Checked-In :"); lblCheckInStatus.setBounds(35, 316, 200, 14);

contentPane.add(lblCheckInStatus); JLabel lblDeposit = new JLabel("Deposit :");

```

```

lblDeposite.setBounds(35, 359, 200, 14); contentPane.add(lblDeposite);

t3 = new JTextField(); t3.setBounds(271, 231, 150, 20); contentPane.add(t3); t3.setColumns(10);
t5 = new JTextField(); t5.setBounds(271, 316, 150, 20); contentPane.add(t5); t5.setColumns(10);
t6 = new JTextField(); t6.setBounds(271, 359, 150, 20); contentPane.add(t6); t6.setColumns(10);

JButton btnNewButton = new JButton("Add");

btnNewButton.addActionListener(new ActionListener() {

    public void actionPerformed(ActionEvent e) { conn c = new conn(); String radio = null;

        if(r1.isSelected()){ radio = "Male"; } else if(r2.isSelected()){ radio = "Female"; }

String s6 = c1.getSelectedItemId();

try{ String s1 = (String)comboBox.getSelectedItemId();

    String s2 = t1.getText(); String s3 = t2.getText();

    String s4 = radio; String s5 = t3.getText();

    String s7 = t5.getText(); String s8 = t6.getText();

String q1 = "insert into values('"+s1+"','"+s2+"','"+s3+"','"+s4+"','"+s5+"','"+s6+"','"+s7+"','"+s8+"')";

String q2 = "update room set availability = 'Occupied' where room_number = '"+s6;

c.s.executeUpdate(q1); c.s.executeUpdate(q2);

JOptionPane.showMessageDialog(null, "Data Inserted Successfully");

new Reception().setVisible(true); setVisible(false); }

catch(SQLException e1){ System.out.println(e1.getMessage()); }

catch(NumberFormatException s)

{ JOptionPane.showMessageDialog(null, "Please enter a valid Number"); } } });

btnNewButton.setBounds(100, 430, 120, 30); btnNewButton.setBackground(Color.BLACK);

btnNewButton.setForeground(Color.WHITE); contentPane.add(btnNewButton);

JButton btnExit = new JButton("Back");

btnExit.addActionListener(new ActionListener() {

    public void actionPerformed(ActionEvent e) {

        new Reception().setVisible(true); setVisible(false); } });

btnExit.setBounds(260, 430, 120, 30); btnExit.setBackground(Color.BLACK);

btnExit.setForeground(Color.WHITE); contentPane.add(btnExit);

```

```

getContentPane().setBackground(Color.WHITE); }
}

```

Room.java

```

package hotel.management.system;

import java.awt.BorderLayout;
import java.awt.*;
import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import net.proteanit.sql.DbUtils;
import javax.swing.JTable;
import java.sql.*;
import javax.swing.*;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class Room extends JFrame {

    Connection conn = null;

    private JPanel contentPane;

    private JTable table;

    private JLabel lblAvailability;

    private JLabel lblCleanStatus;

    private JLabel lblNewLabel;

    private JLabel lblNewLabel_1;

    private JLabel lblRoomNumber;

    private JLabel lblId;

    public static void main(String[] args) {

        EventQueue.invokeLater(new Runnable() {

            public void run() {

try {    Room frame = new Room(); frame.setVisible(true); }

```

```

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

    public Room() throws SQLException {

        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE); setBounds(450, 200, 1100, 600);

        contentPane = new JPanel(); contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

        setContentPane(contentPane); contentPane.setLayout(null);

        ImageIcon i1 = new
        ImageIcon(ClassLoader.getResource("hotel/management/system/icons/scheduling-planning-
        setting-goals-schedule.jpg"));

        Image i3 = i1.getImage().getScaledInstance(600, 600, Image.SCALE_DEFAULT);

        ImageIcon i2 = new ImageIcon(i3); JLabel l1 = new JLabel(i2); l1.setBounds(500,0,600,600);

        add(l1); table = new JTable(); table.setBounds(0, 40, 500, 400);

        contentPane.add(table); JButton btnLoadData = new JButton("Load Data");

            btnLoadData.addActionListener(new ActionListener() {

                public void actionPerformed(ActionEvent e) {

                    try{    conn c = new conn(); String displayCustomersql = "select * from Room";

                    ResultSet rs = c.s.executeQuery(displayCustomersql);

                    table.setModel(DbUtils.resultSetToTableModel(rs)); }

                    catch(Exception e1){    e1.printStackTrace(); } } });

        btnLoadData.setBounds(100, 470, 120, 30); btnLoadData.setBackground(Color.BLACK);

        btnLoadData.setForeground(Color.WHITE); contentPane.add(btnLoadData);

        JButton btnNewButton = new JButton("Back");

            btnNewButton.addActionListener(new ActionListener() {

                public void actionPerformed(ActionEvent e) {

                    new Reception().setVisible(true); setVisible(false); } });

        btnNewButton.setBounds(290, 470, 120, 30); btnNewButton.setBackground(Color.BLACK);

        btnNewButton.setForeground(Color.WHITE); contentPane.add(btnNewButton);

        lblAvailability = new JLabel("Availability"); lblAvailability.setBounds(119, 15, 69, 14);

        contentPane.add(lblAvailability); lblCleanStatus = new JLabel("Clean Status");

        lblCleanStatus.setBounds(216, 15, 76, 14); contentPane.add(lblCleanStatus);

```



```

lblNewLabel = new JLabel("Price"); lblNewLabel.setBounds(330, 15, 46, 14);
contentPane.add(lblNewLabel); lblNewLabel_1 = new JLabel("Bed Type");
lblNewLabel_1.setBounds(417, 15, 76, 14); contentPane.add(lblNewLabel_1);
lblId = new JLabel("Room Number"); lblId.setBounds(12, 15, 90, 14); contentPane.add(lblId);
getContentPane().setBackground(Color.WHITE); }
}

```

Department.java

```

package hotel.management.system;

import java.awt.BorderLayout;
import java.awt.*;
import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import net.proteanit.sql.DbUtils;
import javax.swing.JTable;
import java.sql.*;
import javax.swing.*;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class Department extends JFrame {

    Connection conn = null; private JPanel contentPane;
    private JTable table; private JLabel lblNewLabel;
    private JLabel lblNewLabel_1;
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try { Department frame = new Department(); frame.setVisible(true); }
                catch (Exception e) { e.printStackTrace(); } } });
    }

    public void close() {

```

```

this.dispose(); }

    public Department() throws SQLException {

        //conn = Javaconnect.getDBConnection();

        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE); setBounds(600, 200, 700, 500);

        contentPane = new JPanel(); contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

        setContentPane(contentPane); contentPane.setLayout(null);

        table = new JTable();    table.setBounds(0, 40, 700, 350); contentPane.add(table);

        JButton btnNewButton = new JButton("Load Data");

        btnNewButton.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent e) {

                try{ conn c = new conn();

                    String displayCustomersql = "select * from Department";

                    ResultSet rs = c.s.executeQuery(displayCustomersql);

                    table.setModel(DbUtils.resultSetToTableModel(rs)); }

                catch (Exception e1){ e1.printStackTrace(); } } });

        btnNewButton.setBounds(170, 410, 120, 30); btnNewButton.setBackground(Color.BLACK);

        btnNewButton.setForeground(Color.WHITE); contentPane.add(btnNewButton);

        JButton btnNewButton_1 = new JButton("Back");

        btnNewButton_1.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent e) {

                new Reception().setVisible(true); setVisible(false); } });

        btnNewButton_1.setBounds(400, 410, 120, 30); btnNewButton_1.setBackground(Color.BLACK);

        btnNewButton_1.setForeground(Color.WHITE); contentPane.add(btnNewButton_1);

        lblNewLabel = new JLabel("Department"); lblNewLabel.setBounds(145, 11, 105, 14);

        contentPane.add(lblNewLabel); lblNewLabel_1 = new JLabel("Budget");

        lblNewLabel_1.setBounds(431, 11, 75, 14); contentPane.add(lblNewLabel_1);

        getContentPane().setBackground(Color.WHITE); } }

```

Employee.java

```

package hotel.management.system;

```

```

import java.awt.BorderLayout;

import java.awt.*;

import javax.swing.JFrame;

import javax.swing.JPanel;

import javax.swing.border.EmptyBorder;

import net.proteanit.sql.DbUtils;

import javax.swing.JTable;

import java.sql.*;

import javax.swing.*;

import java.awt.event.ActionListener;

import java.awt.event.ActionEvent;

public class Employee extends JFrame {

    Connection conn = null;

    private JPanel contentPane; private JTable table;

    private JLabel lblNewLabel;

    private JLabel lblJob; private JLabel lblName;

    private JLabel lblDepartment;

    public static void main(String[] args) {

        EventQueue.invokeLater(new Runnable() {

            public void run() {

                try { Employee frame = new Employee(); frame.setVisible(true); }

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

        public void close() { this.dispose(); }

        public Employee() throws SQLException {

            //conn = Javaconnect.getDBConnection();

            setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

            setBounds(430, 200, 1000, 600); contentPane = new JPanel();

            contentPane.setBorder(new EmptyBorder(5, 5, 5, 5)); setContentPane(contentPane);

            contentPane.setLayout(null); table = new JTable();

```

```

table.setBounds(0, 34, 1000, 450); contentPane.add(table);

JButton btnLoadData = new JButton("Load Data");

btnLoadData.addActionListener(new ActionListener() {

    public void actionPerformed(ActionEvent e) {

try{   conn c = new conn();

        String displayCustomersql = "select * from Employee";

        ResultSet rs = c.s.executeQuery(displayCustomersql);

        table.setModel(DbUtils.resultSetToTableModel(rs));  }

    catch(Exception e1){ e1.printStackTrace(); } } });

btnLoadData.setBounds(350, 500, 120, 30); btnLoadData.setBackground(Color.BLACK);

btnLoadData.setForeground(Color.WHITE); contentPane.add(btnLoadData);

JButton btnExit = new JButton("Back");

btnExit.addActionListener(new ActionListener() {

    public void actionPerformed(ActionEvent e) {

        new Reception().setVisible(true); setVisible(false); } });

btnExit.setBounds(510, 500, 120, 30); btnExit.setBackground(Color.BLACK);

btnExit.setForeground(Color.WHITE); contentPane.add(btnExit);

lblNewLabel = new JLabel("Name"); lblNewLabel.setBounds(41, 11, 46, 14);

contentPane.add(lblNewLabel); lblJob = new JLabel("Age");

lblJob.setBounds(159, 11, 46, 14); contentPane.add(lblJob);

lblName = new JLabel("Gender"); lblName.setBounds(273, 11, 46, 14);

contentPane.add(lblName); lblDepartment = new JLabel("Job");

lblDepartment.setBounds(416, 11, 86, 14); contentPane.add(lblDepartment);

JLabel l1 = new JLabel("Salary"); l1.setBounds(536, 11, 86, 14);

contentPane.add(l1); JLabel l2 = new JLabel("Phone");

l2.setBounds(656, 11, 86, 14); contentPane.add(l2);

JLabel l3 = new JLabel("Aadhar");

l3.setBounds(786, 11, 86, 14); contentPane.add(l3);

JLabel l4 = new JLabel("Gmail");

```

```

        l4.setBounds(896, 11, 86, 14);  contentPane.add(l4);

        getContentPane().setBackground(Color.WHITE);  }

}

```

CustomerInfo.java

```

package hotel.management.system;

import java.awt.BorderLayout;
import java.awt.*;
import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import net.proteanit.sql.DbUtils;
import java.sql.*;
import javax.swing.*;
import javax.swing.JTable;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class CustomerInfo extends JFrame {

    Connection conn = null;

    private JPanel contentPane;

    private JLabel lblId;

    private JLabel lblNewLabel;

    private JLabel lblGender;

    private JTable table;

    private JLabel lblCountry;

    private JLabel lblRoom;

    private JLabel lblStatus;

    private JLabel lblNewLabel_1;

    public static void main(String[] args) {

```

```

        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    CustomerInfo frame = new CustomerInfo();
                    frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }

    public void close()
    {
        this.dispose();
    }

    public CustomerInfo() throws SQLException {
        //conn = Javaconnect.getDBConnection();
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setBounds(530, 200, 900, 600);
        contentPane = new JPanel();
        contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
        setContentPane(contentPane);
        contentPane.setLayout(null);

        JButton btnExit = new JButton("Back");
        btnExit.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                new Reception().setVisible(true);
                setVisible(false);
            }
        });
    }

```

```

    });

    btnExit.setBounds(450, 510, 120, 30);

    btnExit.setBackground(Color.BLACK);

    btnExit.setForeground(Color.WHITE);

    contentPane.add(btnExit);

    JButton btnLoadData = new JButton("Load Data");

    btnLoadData.addActionListener(new ActionListener() {

        public void actionPerformed(ActionEvent arg0) {

            try{

                conn c = new conn();

                String displayCustomersql = "select * from Customer";

                ResultSet rs = c.s.executeQuery(displayCustomersql);

                table.setModel(DbUtils.resultSetToTableModel(rs));

            }

            catch(Exception e)

            {

                e.printStackTrace();

            }

        }

    });

    btnLoadData.setBounds(300, 510, 120, 30);

    btnLoadData.setBackground(Color.BLACK);

    btnLoadData.setForeground(Color.WHITE);

    contentPane.add(btnLoadData);

    JLabel lblId = new JLabel("ID");

    lblId.setBounds(31, 11, 46, 14);

    contentPane.add(lblId);

    JLabel l1 = new JLabel("Number");

    l1.setBounds(150, 11, 46, 14);

```

```

        contentPane.add(l1);

        lblNewLabel = new JLabel("Name");
        lblNewLabel.setBounds(270, 11, 65, 14);
        contentPane.add(lblNewLabel);

        lblGender = new JLabel("Gender");
        lblGender.setBounds(360, 11, 46, 14);
        contentPane.add(lblGender);

        table = new JTable();
        table.setBounds(0, 40, 900, 450);
        contentPane.add(table);

        lblCountry = new JLabel("Country");
        lblCountry.setBounds(480, 11, 46, 14);
        contentPane.add(lblCountry);

        lblRoom = new JLabel("Room");
        lblRoom.setBounds(600, 11, 46, 14);
        contentPane.add(lblRoom);

        lblStatus = new JLabel("Check-in Status");
        lblStatus.setBounds(680, 11, 100, 14);
        contentPane.add(lblStatus);

        lblNewLabel_1 = new JLabel("Deposit");
        lblNewLabel_1.setBounds(800, 11, 100, 14);
        contentPane.add(lblNewLabel_1);

        getContentPane().setBackground(Color.WHITE);
    }
}

```

ManagerInfo.java

```

package hotel.management.system;

import java.awt.BorderLayout;

import java.awt.*;

```



```
import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import net.proteanit.sql.DbUtils;
import javax.swing.JTable;
import java.sql.*;
import javax.swing.*;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class ManagerInfo extends JFrame {

    Connection conn = null;

    private JPanel contentPane;

    private JTable table;

    private JLabel lblNewLabel;

    private JLabel lblJob;

    private JLabel lblName;

    private JLabel lblDepartment;

    public static void main(String[] args) {

        EventQueue.invokeLater(new Runnable() {

            public void run() {

                try {

                    ManagerInfo frame = new ManagerInfo();

                    frame.setVisible(true);

                } catch (Exception e) {

                    e.printStackTrace();

                }

            }

        });

    }

}
```

```

public void close()
{
    this.dispose();
}

public ManagerInfo() throws SQLException {
    //conn = Javaconnect.getDBConnection();
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    setBounds(430, 200, 1000, 600);
    contentPane = new JPanel();
    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
    setContentPane(contentPane);
    contentPane.setLayout(null);
    table = new JTable();
    table.setBounds(0, 34, 1000, 450);
    contentPane.add(table);
    JButton btnLoadData = new JButton("Load Data");
    btnLoadData.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {
            try{
                conn c = new conn();
                String displayCustomersql = "select * from Employee where job =
'Manager'";
                ResultSet rs = c.s.executeQuery(displayCustomersql);
                table.setModel(DbUtils.resultSetToTableModel(rs));
            }
            catch(Exception e1){
                e1.printStackTrace();
            }
        }
    });
}

```

```

    });

    btnLoadData.setBounds(350, 500, 120, 30);

    btnLoadData.setBackground(Color.BLACK);

    btnLoadData.setForeground(Color.WHITE);

    contentPane.add(btnLoadData);

    JButton btnExit = new JButton("Back");

    btnExit.addActionListener(new ActionListener() {

        public void actionPerformed(ActionEvent e) {

            new Reception().setVisible(true);

            setVisible(false);

        }

    });

    btnExit.setBounds(510, 500, 120, 30);

    btnExit.setBackground(Color.BLACK);

    btnExit.setForeground(Color.WHITE);

    contentPane.add(btnExit);

    lblNewLabel = new JLabel("Name");

    lblNewLabel.setBounds(41, 11, 46, 14);

    contentPane.add(lblNewLabel);

    lblJob = new JLabel("Age");

    lblJob.setBounds(159, 11, 46, 14);

    contentPane.add(lblJob);

    lblName = new JLabel("Gender");

    lblName.setBounds(273, 11, 46, 14);

    contentPane.add(lblName);

    lblDepartment = new JLabel("Job");

    lblDepartment.setBounds(416, 11, 86, 14);

    contentPane.add(lblDepartment);

    JLabel l1 = new JLabel("Salary");

```

```

        l1.setBounds(536, 11, 86, 14);

        contentPane.add(l1);

        JLabel l2 = new JLabel("Phone");

        l2.setBounds(656, 11, 86, 14);

        contentPane.add(l2);

        JLabel l3 = new JLabel("Aadhar");

        l3.setBounds(786, 11, 86, 14);

        contentPane.add(l3);

        JLabel l4 = new JLabel("Gmail");

        l4.setBounds(896, 11, 86, 14);

        contentPane.add(l4);

        getContentPane().setBackground(Color.WHITE);
    }
}

```

CheckOut.java

```

package hotel.management.system;

import java.awt.BorderLayout;

import java.awt.*;

import java.awt.EventQueue;

import java.sql.*;

import javax.swing.*;

import javax.swing.border.EmptyBorder;

import java.awt.Font;

import java.awt.event.*;

import java.awt.event.ActionEvent;

public class CheckOut extends JFrame{

    Connection conn = null;

```

```

PreparedStatement pst = null;

private JPanel contentPane;

private JTextField t1;

Choice c1;

public static void main(String[] args) {

    EventQueue.invokeLater(new Runnable() {

        public void run() {

            try {

                CheckOut frame = new CheckOut();

                frame.setVisible(true);

            } catch (Exception e) {

                e.printStackTrace();

            }

        }

    });

}

public void close(){

    this.dispose();

}

public CheckOut() throws SQLException

{

    //conn = Javaconnect.getDBConnection();

    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

    setBounds(530, 200, 765, 290);

    contentPane = new JPanel();

    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

    setContentPane(contentPane);

    contentPane.setLayout(null);

```

```

        ImageIcon i1 = new
        ImageIcon(ClassLoader.getResource("hotel/management/system/icons/nine.jpg"));

        Image i3 = i1.getImage().getScaledInstance(320,210,Image.SCALE_DEFAULT);

        ImageIcon i2 = new ImageIcon(i3);

        JLabel l1 = new JLabel(i2);

        l1.setBounds(300,0,500,225);

        add(l1);

        JLabel lblCheckOut = new JLabel("Check Out ");

        lblCheckOut.setFont(new Font("Tahoma", Font.PLAIN, 20));

        lblCheckOut.setBounds(70, 11, 140, 35);

        contentPane.add(lblCheckOut);

        JLabel lblName = new JLabel("Number :");

        lblName.setBounds(20, 85, 80, 14);

        contentPane.add(lblName);

        c1 = new Choice();

        try{

            conn c = new conn();

            ResultSet rs = c.s.executeQuery("select * from customer");

            while(rs.next()){

                c1.add(rs.getString("number"));

            }

        }catch(Exception e){ }

        c1.setBounds(130, 82, 150, 20);

        contentPane.add(c1);

        ImageIcon i4 = new
        ImageIcon(ClassLoader.getResource("hotel/management/system/icons/tick.png"));

        Image i5 = i4.getImage().getScaledInstance(20, 20,Image.SCALE_DEFAULT);

        ImageIcon i6 = new ImageIcon(i5);

        JButton l2 = new JButton(i6);

```

```

l2.setBounds(290,82,20,20);
add(l2);
l2.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent ae){
        System.out.println("Hi");
        try{
            conn c = new conn();
            String number = c1.getSelectedItem();
            ResultSet rs = c.s.executeQuery("select * from customer where number =
"+number);
            if(rs.next()){
                System.out.println("clicked");
                t1.setText(rs.getString("room_number"));
            }
        }catch(Exception e){ }
    }
});

JLabel lblRoomNumber = new JLabel("Room Number:");
lblRoomNumber.setBounds(20, 132, 86, 20);
contentPane.add(lblRoomNumber);

t1 = new JTextField();
t1.setBounds(130, 132, 150, 20);
contentPane.add(t1);

JButton btnCheckOut = new JButton("Check Out");
btnCheckOut.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        String id = c1.getSelectedItem();
        String s1 = t1.getText();
        String deleteSQL = "Delete from customer where number = "+id;

```

```

String q2 = "update room set availability = 'Available' where room_number = "+s1;

        conn c = new conn();

        try{

            c.s.executeUpdate(deleteSQL);

            c.s.executeUpdate(q2);

            JOptionPane.showMessageDialog(null, "Check Out Successful");

            new Reception().setVisible(true);

setVisible(false);

        }catch(SQLException e1){

            System.out.println(e1.getMessage());

        }

    }

});

btnCheckOut.setBounds(50, 200, 100, 25);

btnCheckOut.setBackground(Color.BLACK);

btnCheckOut.setForeground(Color.WHITE);

contentPane.add(btnCheckOut);

JButton btnExit = new JButton("Back");

btnExit.addActionListener(new ActionListener() {

    public void actionPerformed(ActionEvent e) {

        new Reception().setVisible(true);

setVisible(false);

    }

});

btnExit.setBounds(160, 200, 100, 25);

btnExit.setBackground(Color.BLACK);

btnExit.setForeground(Color.WHITE);

contentPane.add(btnExit);

getContentPane().setBackground(Color.WHITE);

```



```

    }
}

```

UpdateCheck.java

```

package hotel.management.system;

import java.awt.BorderLayout;
import java.awt.*;
import java.sql.*;
import javax.swing.*;
import javax.swing.border.EmptyBorder;
import java.awt.Font;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class UpdateCheck extends JFrame {

    Connection conn = null;
    PreparedStatement pst = null;
    private JPanel contentPane;
    private JTextField txt_ID;
    private JTextField txt_Room;
    private JTextField txt_Status;
    private JTextField txt_Date;
    private JTextField txt_Time;
    private JTextField txt_Payment;
    Choice c1, c2;

    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    UpdateCheck frame = new UpdateCheck();
                    frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }
}

```

```

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

});

}

public void close(){
    this.dispose();
}

public UpdateCheck() throws SQLException {
    //conn = Javaconnect.getDBConnection();
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    setBounds(500, 200, 950, 500);
    contentPane = new JPanel();
    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
    setContentPane(contentPane);
    contentPane.setLayout(null);

    JLabel lblUpdateCheckStatus = new JLabel("Check-In Details");
    lblUpdateCheckStatus.setFont(new Font("Tahoma", Font.PLAIN, 20));
    lblUpdateCheckStatus.setBounds(124, 11, 222, 25);
    contentPane.add(lblUpdateCheckStatus);

    ImageIcon i1 = new
    ImageIcon(ClassLoader.getResource("hotel/management/system/icons/1604176512.jpg"));

    JLabel l1 = new JLabel(i1);
    l1.setBounds(420,40,490,400);
    add(l1);

    JLabel lblNewLabel = new JLabel("ID:");
    lblNewLabel.setBounds(25, 88, 46, 14);
    contentPane.add(lblNewLabel);

```

```

c1 = new Choice();

try{

    conn c = new conn();

    ResultSet rs = c.s.executeQuery("select * from customer");

    while(rs.next()){

        c1.add(rs.getString("number"));

    }

}catch(Exception e){ }

c1.setBounds(248, 85, 200, 20);

    contentPane.add(c1);

    JLabel lblNewLabel_1 = new JLabel("Room Number :");

    lblNewLabel_1.setBounds(25, 129, 107, 14);

    contentPane.add(lblNewLabel_1);

txt_ID = new JTextField();

txt_ID.setBounds(248, 126, 140, 20);

    contentPane.add(txt_ID);

    JLabel lblNewLabel_2 = new JLabel("Name : ");

    lblNewLabel_2.setBounds(25, 174, 97, 14);

    contentPane.add(lblNewLabel_2);

    JLabel lblNewLabel_3 = new JLabel("Checked-in :");

    lblNewLabel_3.setBounds(25, 216, 107, 14);

    contentPane.add(lblNewLabel_3);

    JLabel lblNewLabel_4 = new JLabel("Amount Paid (Rs) : ");

    lblNewLabel_4.setBounds(25, 261, 107, 14);

    contentPane.add(lblNewLabel_4);

    JLabel lblNewLabel_5 = new JLabel("Pending Amount (Rs) : ");

    lblNewLabel_5.setBounds(25, 302, 150, 14);

    contentPane.add(lblNewLabel_5);

    txt_Status = new JTextField();

```

```

txt_Status.setBounds(248, 171, 140, 20);
contentPane.add(txt_Status);
txt_Status.setColumns(10);
txt_Date = new JTextField();
txt_Date.setBounds(248, 216, 140, 20);
contentPane.add(txt_Date);
txt_Date.setColumns(10);
txt_Time = new JTextField();
txt_Time.setBounds(248, 258, 140, 20);
contentPane.add(txt_Time);
txt_Time.setColumns(10);
txt_Payment = new JTextField();
txt_Payment.setBounds(248, 299, 140, 20);
contentPane.add(txt_Payment);
txt_Payment.setColumns(10);
JButton btnUpdate = new JButton("Update");
btnUpdate.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent ae) {
try{
    conn c = new conn();
    String s1 = c1.getSelectedItem();
    String s2 = txt_ID.getText(); //room_number;
    String s3 = txt_Status.getText(); //name
    String s4 = txt_Date.getText(); //status;
    String s5 = txt_Time.getText(); //deposit

    c.s.executeUpdate("update customer set room_number = '"+s2+"', name =
''+s3+'', status = '"+s4+"', deposit = '"+s5+"' where number = '"+s1+"'");

    JOptionPane.showMessageDialog(null, "Data Updated Successfully");
    new Reception().setVisible(true);

```

```

        setVisible(false);
    }catch(Exception ee){
        System.out.println(ee);
    }

    }

});

btnUpdate.setBounds(168, 378, 89, 23);
btnUpdate.setBackground(Color.BLACK);
btnUpdate.setForeground(Color.WHITE);

contentPane.add(btnUpdate);

JButton btnExit = new JButton("Back");
btnExit.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        new Reception().setVisible(true);
        setVisible(false);
    }
});

btnExit.setBounds(281, 378, 89, 23);
btnExit.setBackground(Color.BLACK);
btnExit.setForeground(Color.WHITE);

contentPane.add(btnExit);

JButton btnAdd = new JButton("Check");
btnAdd.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
try{

        String s1 = c1.getSelectedItem();

        conn c = new conn();

        ResultSet rs1 = c.s.executeQuery("select * from customer where number = "+s1);
        while(rs1.next()){

```

```

        txt_ID.setText(rs1.getString("room_number"));

        txt_Status.setText(rs1.getString("name"));

        txt_Date.setText(rs1.getString("status"));

        txt_Time.setText(rs1.getString("deposit"));

    }

} catch (Exception ee) {}

try {

    String total = "";

    conn c = new conn();

    ResultSet rs2 = c.s.executeQuery("select * from room where room_number =
"+txt_ID.getText());

    while(rs2.next()){

        total = rs2.getString("price");

    }

    String paid = txt_Time.getText();

    int pending = Integer.parseInt(total)- Integer.parseInt(paid);

    txt_Payment.setText(Integer.toString(pending));

} catch (Exception ee) {}

    }

});

    btnAdd.setBounds(56, 378, 89, 23);

    btnAdd.setBackground(Color.BLACK);

    btnAdd.setForeground(Color.WHITE);

    contentPane.add(btnAdd);

    getContentPane().setBackground(Color.WHITE);

}

}

```

UpdateRoom.java

```

package hotel.management.system;

```

```

import java.awt.BorderLayout;
import java.awt.*;
import java.sql.*;
import javax.swing.*;
import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import java.awt.Font;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class UpdateRoom extends JFrame {

    Connection conn = null;

    PreparedStatement pst = null;

    private JPanel contentPane;
    private JTextField txt_ID;
    private JTextField txt_Ava;
    private JTextField txt_Status;
    private JTextField txt_Room;

    Choice c1;

    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    UpdateRoom frame = new UpdateRoom();
                    frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }
}

```

```

        });
    }

    public void close(){
        this.dispose();
    }

    public UpdateRoom() throws SQLException {
        //conn = Javaconnect.getDBConnection();

        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        setBounds(530, 200, 350, 450);

        contentPane = new JPanel();

        contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

        setContentPane(contentPane);

        contentPane.setLayout(null);

        JLabel lblUpdateRoomStatus = new JLabel("Update Room Status");

        lblUpdateRoomStatus.setFont(new Font("Tahoma", Font.PLAIN, 20));

        lblUpdateRoomStatus.setBounds(85, 11, 206, 34);

        contentPane.add(lblUpdateRoomStatus);

        JLabel lblNewLabel = new JLabel("Guest ID:");

        lblNewLabel.setBounds(27, 87, 90, 14);

        contentPane.add(lblNewLabel);

        c1 = new Choice();

        try{
            conn c = new conn();

            ResultSet rs = c.s.executeQuery("select * from customer");

            while(rs.next()){
                c1.add(rs.getString("number"));
            }
        }catch(Exception e){ }

        c1.setBounds(160, 84, 200, 20);
    }

```



```

contentPane.add(c1);

JLabel lblAvailability = new JLabel("Availability:");
lblAvailability.setBounds(27, 187, 90, 14);
contentPane.add(lblAvailability);

JLabel lblCleanStatus = new JLabel("Clean Status:");
lblCleanStatus.setBounds(27, 240, 90, 14);
contentPane.add(lblCleanStatus);

txt_Ava = new JTextField();
txt_Ava.setBounds(160, 184, 140, 20);
contentPane.add(txt_Ava);
txt_Ava.setColumns(10);

txt_Status = new JTextField();
txt_Status.setBounds(160, 237, 140, 20);
contentPane.add(txt_Status);
txt_Status.setColumns(10);

txt_Room = new JTextField();
txt_Room.setBounds(160, 130, 140, 20);
contentPane.add(txt_Room);
txt_Room.setColumns(10);

JButton b1 = new JButton("Check");

b1.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
try{
    String s1 = c1.getSelectedItem();

    conn c = new conn();

    ResultSet rs1 = c.s.executeQuery("select * from customer where number = "+s1);
    while(rs1.next()){
        txt_Room.setText(rs1.getString("room_number"));
    }
}

```

```

    }catch(Exception ee){}

    try{

        conn c = new conn();

        ResultSet rs2 = c.s.executeQuery("select * from room where room_number =
"+txt_Room.getText());

        while(rs2.next()){

            txt_Ava.setText(rs2.getString("availability"));

            txt_Status.setText(rs2.getString("clean_status"));

        }

    }catch(Exception ee){}

}

});

b1.setBounds(120, 315, 89, 23);

b1.setBackground(Color.BLACK);

b1.setForeground(Color.WHITE);

contentPane.add(b1);

JButton btnUpdate = new JButton("Update");

btnUpdate.addActionListener(new ActionListener() {

    public void actionPerformed(ActionEvent e) throws
NumberFormatException {

        try{

            conn c = new conn();

            String str = "update room set clean_status = '"+txt_Status.getText()+"' where
room_number = '"+txt_Room.getText();

            c.s.executeUpdate(str);

            JOptionPane.showMessageDialog(null, "Update Sucessful");

            new Reception().setVisible(true);

            setVisible(false);

        }catch (Exception ee){

            ee.printStackTrace();

```

```

        }

    }

});

    btnUpdate.setBounds(60, 355, 89, 23);

    btnUpdate.setBackground(Color.BLACK);

    btnUpdate.setForeground(Color.WHITE);

    contentPane.add(btnUpdate);

    JButton btnExit = new JButton("Back");

    btnExit.addActionListener(new ActionListener() {

        public void actionPerformed(ActionEvent e) {

            new Reception().setVisible(true);

            setVisible(false);

        }

    });

    btnExit.setBounds(180, 355, 89, 23);

    btnExit.setBackground(Color.BLACK);

    btnExit.setForeground(Color.WHITE);

    contentPane.add(btnExit);

    JLabel lblRoomId = new JLabel("Room Number:");

    lblRoomId.setBounds(27, 133, 100, 14);

    contentPane.add(lblRoomId);

    getContentPane().setBackground(Color.WHITE);

}

}

```

PickUp.java

```

package hotel.management.system;

import java.awt.BorderLayout;

import java.awt.*;

import java.sql.*;

```

```

import javax.swing.*;
import javax.swing.border.EmptyBorder;
import net.proteanit.sql.DbUtils;
import java.awt.Font;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
public class Pickup extends JFrame {
    Connection conn = null;
    PreparedStatement pst = null;
    ResultSet rs = null;
    private JPanel contentPane;
    private JTable table;
    Choice c1;
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    Pickup frame = new Pickup();
                    frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }
    public void close()
    {
        this.dispose();
    }
}

```

```

public Pickup() throws SQLException {
    //conn = Javaconnect.getDBConnection();
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    setBounds(530, 200, 800, 600);
    contentPane = new JPanel();
    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
    setContentPane(contentPane);
    contentPane.setLayout(null);

    JLabel lblPickUpService = new JLabel("Pick Up Service");
    lblPickUpService.setFont(new Font("Tahoma", Font.PLAIN, 20));
    lblPickUpService.setBounds(90, 11, 158, 25);
    contentPane.add(lblPickUpService);

    JLabel lblTypeOfCar = new JLabel("Type of Car");
    lblTypeOfCar.setBounds(32, 97, 89, 14);
    contentPane.add(lblTypeOfCar);

    c1 = new Choice();
    try{
        conn c = new conn();
        ResultSet rs = c.s.executeQuery("select * from driver");
        while(rs.next()){
            c1.add(rs.getString("brand"));
        }
    }catch(Exception e){ }

    c1.setBounds(123, 94, 200, 25);
    contentPane.add(c1);

    JLabel lblInfo = new JLabel("Name");
    lblInfo.setBounds(24, 208, 46, 14);
    contentPane.add(lblInfo);

    JButton btnRegister = new JButton("Display");

```

```

        btnRegister.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent arg0) {
                String SQL = "select * from driver where brand =
"+c1.getSelectedItem()+"";
                try{
                    conn c = new conn();
                    rs = c.s.executeQuery(SQL);
                    table.setModel(DbUtils.resultSetToTableModel(rs));
                }catch (SQLException ss)
                {
                    ss.printStackTrace();
                }
            }
        });

        btnRegister.setBounds(200, 500, 120, 30);
        btnRegister.setBackground(Color.BLACK);
        btnRegister.setForeground(Color.WHITE);
        contentPane.add(btnRegister);

        JButton btnExit = new JButton("Back");
        btnExit.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent arg0) {
                new Reception().setVisible(true);
                setVisible(false);
            }
        });

        btnExit.setBounds(420, 500, 120, 30);
        btnExit.setBackground(Color.BLACK);
        btnExit.setForeground(Color.WHITE);
        contentPane.add(btnExit);

```

```

        table = new JTable();
        table.setBounds(0, 233, 800, 250);
        contentPane.add(table);

        JLabel lblNewLabel = new JLabel("Age");
        lblNewLabel.setBounds(165, 208, 46, 14);
        contentPane.add(lblNewLabel);

        JLabel lblGender = new JLabel("Gender");
        lblGender.setBounds(264, 208, 46, 14);
        contentPane.add(lblGender);

        JLabel lblTypeOfDriver = new JLabel("Company");
        lblTypeOfDriver.setBounds(366, 208, 80, 14);
        contentPane.add(lblTypeOfDriver);

        JLabel lblDateOfThe = new JLabel("Brand");
        lblDateOfThe.setBounds(486, 208, 105, 14);
        contentPane.add(lblDateOfThe);

        JLabel lblAirport = new JLabel("Available");
        lblAirport.setBounds(600, 208, 86, 14);
        contentPane.add(lblAirport);

        JLabel lblAvailable = new JLabel("Location");
        lblAvailable.setBounds(700, 208, 73, 14);
        contentPane.add(lblAvailable);

        getContentPane().setBackground(Color.WHITE);
    }
}

```

SearchRoom.java

```

package hotel.management.system;

import java.awt.BorderLayout;

import java.awt.*;

import java.sql.*;

```

```

import javax.swing.*.*;
import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import net.proteanit.sql.DbUtils;
import java.awt.Font;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class SearchRoom extends JFrame {

    Connection conn = null;

    PreparedStatement pst = null;

    ResultSet rs = null;

    private JPanel contentPane;

    private JTextField txt_Type;

    private JTable table;

    Choice c1;

    public static void main(String[] args) {

        EventQueue.invokeLater(new Runnable() {

            public void run() {

                try {

                    SearchRoom frame = new SearchRoom();

                    frame.setVisible(true);

                } catch (Exception e) {

                    e.printStackTrace();

                }

            }

        });

    }

    public void close()

```



```

{
    this.dispose();
}

public SearchRoom() throws SQLException {
    //conn = Javaconnect.getDBConnection();
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    setBounds(530, 200, 700, 500);
    contentPane = new JPanel();
    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
    setContentPane(contentPane);
    contentPane.setLayout(null);

    JLabel lblSearchForRoom = new JLabel("Search For Room");
    lblSearchForRoom.setFont(new Font("Tahoma", Font.PLAIN, 20));
    lblSearchForRoom.setBounds(250, 11, 186, 31);
    contentPane.add(lblSearchForRoom);

    JLabel lblRoomAvailable = new JLabel("Room Bed Type:");
    lblRoomAvailable.setBounds(50, 73, 96, 14);
    contentPane.add(lblRoomAvailable);

    JLabel lblRoomType = new JLabel("Room Number");
    lblRoomType.setBounds(23, 162, 96, 14);
    contentPane.add(lblRoomType);

    JLabel lblRoomAvailable_1 = new JLabel("Availability");
    lblRoomAvailable_1.setBounds(175, 162, 120, 14);
    contentPane.add(lblRoomAvailable_1);

    JLabel lblPrice_1 = new JLabel("Price");
    lblPrice_1.setBounds(458, 162, 46, 14);
    contentPane.add(lblPrice_1);

    JLabel l1 = new JLabel("Bed Type");
    l1.setBounds(580, 162, 96, 14);

```

```

        contentPane.add(l1);

        JCheckBox checkRoom = new JCheckBox("Only display Available");

        checkRoom.setBounds(400, 69, 205, 23);

        checkRoom.setBackground(Color.WHITE);

        contentPane.add(checkRoom);

        c1 = new Choice();

        c1.add("Single Bed");

        c1.add("Double Bed");

        c1.setBounds(153, 70, 120, 20);

        contentPane.add(c1);

        JButton btnSearch = new JButton("Search");

        btnSearch.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent e) {

                String SQL = "select * from Room where bed_type =
"+c1.getSelectedItem()+"";

                String SQL2 = "select * from Room where availability = 'Available'
AND bed_type = "+c1.getSelectedItem()+"";

                try{

                    conn c = new conn();

                    rs = c.s.executeQuery(SQL);

                    table.setModel(DbUtils.resultSetToTableModel(rs));

                    if(checkRoom.isSelected())

                    {

                        rs = c.s.executeQuery(SQL2);

                        table.setModel(DbUtils.resultSetToTableModel(rs));

                    }

                }catch (SQLException ss)

                {

                    ss.printStackTrace();

```

```

        }
    }

});

btnSearch.setBounds(200, 400, 120, 30);

btnSearch.setBackground(Color.BLACK);

btnSearch.setForeground(Color.WHITE);

contentPane.add(btnSearch);

JButton btnExit = new JButton("Back");

btnExit.addActionListener(new ActionListener() {

    public void actionPerformed(ActionEvent e) {

        new Reception().setVisible(true);

        setVisible(false);

    }

});

btnExit.setBounds(380, 400, 120, 30);

btnExit.setBackground(Color.BLACK);

btnExit.setForeground(Color.WHITE);

contentPane.add(btnExit);

table = new JTable();

table.setBounds(0, 187, 700, 300);

contentPane.add(table);

JLabel lblCleanStatus = new JLabel("Clean Status");

lblCleanStatus.setBounds(306, 162, 96, 14);

contentPane.add(lblCleanStatus);

getContentPane().setBackground(Color.WHITE);

}

}

```

AddEmployee.java

```
package hotel.management.system;
```

```

import java.awt.EventQueue;

import java.awt.*;

import java.awt.event.*;

import java.sql.*;

import javax.swing.*;

public class AddEmployee extends JFrame{ //Third Frame

    JTextField textField,textField_1,textField_2,textField_3,textField_4,textField_5,textField_6;

    JComboBox c1;

    public AddEmployee(){

        getContentPane().setForeground(Color.BLUE);

        getContentPane().setBackground(Color.WHITE);

        setTitle("ADD EMPLOYEE DETAILS");

        setDefaultCloseOperation(JFrame.HIDE_ON_CLOSE);

        setSize(765,486);

        getContentPane().setLayout(null);

        JLabel Passportno = new JLabel("NAME");

        Passportno.setFont(new Font("Tahoma", Font.PLAIN, 17));

        Passportno.setBounds(60, 30, 150, 27);

        add(Passportno);

        textField = new JTextField();

        textField.setBounds(200, 30, 150, 27);

        add(textField);

        JButton Next = new JButton("SAVE");

        Next.setBounds(200, 420, 150, 30);

        Next.setBackground(Color.BLACK);

        Next.setForeground(Color.WHITE);

        add(Next);

        JLabel Pnrno = new JLabel("AGE");

        Pnrno.setFont(new Font("Tahoma", Font.PLAIN, 17));

```

```

Pnrno.setBounds(60, 80, 150, 27);

add(Pnrno);

textField_1 = new JTextField();

textField_1.setBounds(200, 80, 150, 27);

add(textField_1);

JLabel Gender = new JLabel("GENDER");

Gender.setFont(new Font("Tahoma", Font.PLAIN, 17));

Gender.setBounds(60, 120, 150, 27);

add(Gender);

JRadioButton NewRadioButton = new JRadioButton("MALE");

NewRadioButton.setBackground(Color.WHITE);

NewRadioButton.setBounds(200, 120, 70, 27);

add(NewRadioButton);

JRadioButton Female = new JRadioButton("FEMALE");

Female.setBackground(Color.WHITE);

Female.setBounds(280, 120, 70, 27);

add(Female);

JLabel Address = new JLabel("JOB");

Address.setFont(new Font("Tahoma", Font.PLAIN, 17));

Address.setBounds(60, 170, 150, 27);

add(Address);

String course[] = {"Front Desk Clerks", "Porters", "Housekeeping", "Kitchen Staff", "Room
Service", "Waiter/Waitress", "Manager", "Accountant", "Chef"};

c1 = new JComboBox(course);

c1.setBackground(Color.WHITE);

c1.setBounds(200, 170, 150, 30);

add(c1);

JLabel Nationality = new JLabel("SALARY");

Nationality.setFont(new Font("Tahoma", Font.PLAIN, 17));

```

```
Nationality.setBounds(60, 220, 150, 27);  
add(Nationality);  
textField_3 = new JTextField();  
textField_3.setBounds(200, 220, 150, 27);  
add(textField_3);  
JLabel Name = new JLabel("PHONE");  
Name.setFont(new Font("Tahoma", Font.PLAIN, 17));  
Name.setBounds(60, 270, 150, 27);  
add(Name);  
textField_4 = new JTextField();  
textField_4.setBounds(200, 270, 150, 27);  
add(textField_4);  
JLabel Phno = new JLabel("AADHAR");  
Phno.setFont(new Font("Tahoma", Font.PLAIN, 17));  
Phno.setBounds(60, 320, 150, 27);  
add(Phno);  
textField_5 = new JTextField();  
textField_5.setBounds(200, 320, 150, 27);  
add(textField_5);  
JLabel email = new JLabel("EMAIL");  
email.setFont(new Font("Tahoma", Font.PLAIN, 17));  
email.setBounds(60, 370, 150, 27);  
add(email);  
textField_6 = new JTextField();  
textField_6.setBounds(200, 370, 150, 27);  
add(textField_6);  
setVisible(true);  
JLabel AddPassengers = new JLabel("ADD EMPLOYEE DETAILS");  
AddPassengers.setForeground(Color.DARK_GRAY);
```

```

AddPassengers.setFont(new Font("Tahoma", Font.PLAIN, 31));

AddPassengers.setBounds(420, 24, 442, 35);

add(AddPassengers);

ImageIcon i1 = new
ImageIcon(ClassLoader.getResource("hotel/management/system/icons/21070320.jpg"));

JLabel image = new JLabel(i1);

image.setBounds(360,80,490,380);

add(image);

Next.addActionListener(new ActionListener(){

    public void actionPerformed(ActionEvent ae){

        String name = textField.getText();

        String age = textField_1.getText();

        String salary = textField_3.getText();

        String phone = textField_4.getText();

        String aadhar = textField_5.getText();

        String email = textField_6.getText();

        String gender = null;

        if(NewRadioButton.isSelected()){

            gender = "male";

        }else if(Female.isSelected()){

            gender = "female";

        }

        String s6 = (String)c1.getSelectedItem();

        try {

            conn c = new conn();

            String str = "INSERT INTO employee values( '"+name+"', '"+age+"',
            '"+gender+"', '"+s6+"', '"+salary+"', '"+phone+"', '"+aadhar+"', '"+email+"')";

            String str1="select department from department where department='"+s6+"'";

            if(str1!=null)

```

```

        {
            String str2="update department set budget=budget+"+salary+" where
department='"+s6+"'";

            c.s.executeUpdate(str2);
        }
    else
    {
        String str3="insert into department value('"+s6+"','"+salary+"')";

        c.s.executeUpdate(str3);
    }

    c.s.executeUpdate(str);

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

    setVisible(false);
} catch (Exception e) {
    e.printStackTrace();
}

}

});

setSize(830,525);

setVisible(true);

setLocation(530,200);

}

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

```

AddRoom.java

```

package hotel.management.system;

import java.awt.*;

```



```

import javax.swing.*.*;

import javax.swing.border.*;

import java.awt.event.*;

import java.sql.*;

import java.util.*;

public class AddRoom extends JFrame implements ActionListener{

    private JPanel contentPane;

    private JTextField t1,t2,t3,t4;

    private JComboBox comboBox, comboBox_1, comboBox_2, comboBox_3;

    JButton b1,b2;

    Choice c1;

    public static void main(String[] args) {

        new AddRoom().setVisible(true);

    }

    public AddRoom() {

        setBounds(450, 200, 1140, 450);

        contentPane = new JPanel();

        setContentPane(contentPane);

        contentPane.setLayout(null);

        ImageIcon i1 = new
        ImageIcon(ClassLoader.getResource("hotel/management/system/icons/black-and-white-
        interior-design.jpg"));

        Image i3 = i1.getImage().getScaledInstance(900,400,Image.SCALE_DEFAULT);

        ImageIcon i2 = new ImageIcon(i3);

        JLabel l15 = new JLabel(i2);

        l15.setBounds(400,30,700,350);

        add(l15);

        JLabel l10 = new JLabel("Add Rooms");

        l10.setFont(new Font("Tahoma", Font.BOLD, 18));

```

```
l10.setBounds(194, 10, 120, 22);

contentPane.add(l10);

JLabel l1 = new JLabel("Room Number");

l1.setForeground(new Color(25, 25, 112));

l1.setFont(new Font("Tahoma", Font.BOLD, 14));

l1.setBounds(64, 70, 102, 22);

contentPane.add(l1);

t4 = new JTextField();

t4.setBounds(174, 70, 156, 20);

contentPane.add(t4);

JLabel l2 = new JLabel("Availability");

l2.setForeground(new Color(25, 25, 112));

l2.setFont(new Font("Tahoma", Font.BOLD, 14));

l2.setBounds(64, 110, 102, 22);

contentPane.add(l2);

comboBox = new JComboBox(new String[] { "Available", "Occupied" });

comboBox.setBounds(176, 110, 154, 20);

contentPane.add(comboBox);

JLabel l3 = new JLabel("Cleaning Status");

l3.setForeground(new Color(25, 25, 112));

l3.setFont(new Font("Tahoma", Font.BOLD, 14));

l3.setBounds(64, 150, 102, 22);

contentPane.add(l3);

comboBox_2 = new JComboBox(new String[] { "Cleaned", "Dirty" });

comboBox_2.setBounds(176, 150, 154, 20);

contentPane.add(comboBox_2);

JLabel l4 = new JLabel("Price");

l4.setForeground(new Color(25, 25, 112));

l4.setFont(new Font("Tahoma", Font.BOLD, 14));
```

```

        l4.setBounds(64, 190, 102, 22);

        contentPane.add(l4);

t2 = new JTextField();

        t2.setBounds(174, 190, 156, 20);

        contentPane.add(t2);

JLabel l5 = new JLabel("Bed Type");

        l5.setForeground(new Color(25, 25, 112));

        l5.setFont(new Font("Tahoma", Font.BOLD, 14));

        l5.setBounds(64, 230, 102, 22);

        contentPane.add(l5);

comboBox_3 = new JComboBox(new String[] { "Single Bed", "Double Bed"});

        comboBox_3.setBounds(176, 230, 154, 20);

        contentPane.add(comboBox_3);

        b1 = new JButton("Add");

        b1.addActionListener(this);

        b1.setBounds(64, 321, 111, 33);

b1.setBackground(Color.BLACK);

b1.setForeground(Color.WHITE);

        contentPane.add(b1);

        b2 = new JButton("Back");

        b2.addActionListener(this);

        b2.setBounds(198, 321, 111, 33);

b2.setBackground(Color.BLACK);

b2.setForeground(Color.WHITE);

        contentPane.add(b2);

        contentPane.setBackground(Color.WHITE);
    }

    public void actionPerformed(ActionEvent ae){

        try{

```

```

if(ae.getSource() == b1){
    try{
        conn c = new conn();
        String room = t4.getText();
        String available = (String)comboBox.getSelectedItemAt();
        String status = (String)comboBox_2.getSelectedItemAt();
        String price = t2.getText();
        String type = (String)comboBox_3.getSelectedItemAt();

        String str = "INSERT INTO room values( '"+room+"', '"+available+"', '"+status+"', '"+price+"',
        '"+type+"')";

        c.s.executeUpdate(str);

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

        this.setVisible(false);
    }catch(Exception ee){
        System.out.println(ee);
    }
}

else if(ae.getSource() == b2){
    this.setVisible(false);
}

}catch(Exception eee){
}

}
}

```

AddDrivers.java

```

package hotel.management.system;

import java.awt.*;
import javax.swing.*;
import javax.swing.border.*;

```

```

import java.awt.event.*;
import java.sql.*;
import java.util.*;

public class AddDrivers extends JFrame implements ActionListener{

    private JPanel contentPane;

    private JTextField t1,t2,t3,t4, t5;

    private JComboBox comboBox, comboBox_1;

    JButton b1,b2;

    Choice c1;

    public static void main(String[] args) {

        new AddDrivers().setVisible(true);

    }

    public AddDrivers() {

        setBounds(450, 200, 950, 490);

        contentPane = new JPanel();

        setContentPane(contentPane);

        contentPane.setLayout(null);

        ImageIcon i1 = new
        ImageIcon(ClassLoader.getResource("hotel/management/system/icons/123052006.jpg"));

        Image i3 = i1.getImage().getScaledInstance(560,350,Image.SCALE_DEFAULT);

        ImageIcon i2 = new ImageIcon(i3);

        JLabel l15 = new JLabel(i2);

        l15.setBounds(400,30,500,400);

        add(l15);

        JLabel l10 = new JLabel("Add Drivers");

        l10.setFont(new Font("Tahoma", Font.BOLD, 18));

        l10.setBounds(194, 10, 120, 22);

        contentPane.add(l10);

        JLabel l1 = new JLabel("Name");

```

```
l1.setForeground(new Color(25, 25, 112));
l1.setFont(new Font("Tahoma", Font.BOLD, 14));
l1.setBounds(64, 70, 102, 22);
contentPane.add(l1);

t1 = new JTextField();
t1.setBounds(174, 70, 156, 20);
contentPane.add(t1);

JLabel l2 = new JLabel("Age");
l2.setForeground(new Color(25, 25, 112));
l2.setFont(new Font("Tahoma", Font.BOLD, 14));
l2.setBounds(64, 110, 102, 22);
contentPane.add(l2);

t2 = new JTextField();
t2.setBounds(174, 110, 156, 20);
contentPane.add(t2);

JLabel l3 = new JLabel("Gender");
l3.setForeground(new Color(25, 25, 112));
l3.setFont(new Font("Tahoma", Font.BOLD, 14));
l3.setBounds(64, 150, 102, 22);
contentPane.add(l3);

comboBox = new JComboBox(new String[] { "Male", "Female" });
comboBox.setBounds(176, 150, 154, 20);
contentPane.add(comboBox);

JLabel l4 = new JLabel("Car Company");
l4.setForeground(new Color(25, 25, 112));
l4.setFont(new Font("Tahoma", Font.BOLD, 14));
l4.setBounds(64, 190, 102, 22);
contentPane.add(l4);

t3 = new JTextField();
```

```
t3.setBounds(174, 190, 156, 20);

contentPane.add(t3);

JLabel l5 = new JLabel("Car Brand");

l5.setForeground(new Color(25, 25, 112));

l5.setFont(new Font("Tahoma", Font.BOLD, 14));

l5.setBounds(64, 230, 102, 22);

contentPane.add(l5);

t4 = new JTextField();

t4.setBounds(174, 230, 156, 20);

contentPane.add(t4);

JLabel l6 = new JLabel("Available");

l6.setForeground(new Color(25, 25, 112));

l6.setFont(new Font("Tahoma", Font.BOLD, 14));

l6.setBounds(64, 270, 102, 22);

contentPane.add(l6);

comboBox_1 = new JComboBox(new String[] { "Yes", "No" });

comboBox_1.setBounds(176, 270, 154, 20);

contentPane.add(comboBox_1);

JLabel l7 = new JLabel("Location");

l7.setForeground(new Color(25, 25, 112));

l7.setFont(new Font("Tahoma", Font.BOLD, 14));

l7.setBounds(64, 310, 102, 22);

contentPane.add(l7);

t5 = new JTextField();

t5.setBounds(174, 310, 156, 20);

contentPane.add(t5);

b1 = new JButton("Add");

b1.addActionListener(this);

b1.setBounds(64, 380, 111, 33);
```

```

b1.setBackground(Color.BLACK);
b1.setForeground(Color.WHITE);

    contentPane.add(b1);

    b2 = new JButton("Back");
    b2.addActionListener(this);

    b2.setBounds(198, 380, 111, 33);
b2.setBackground(Color.BLACK);
b2.setForeground(Color.WHITE);

    contentPane.add(b2);

contentPane.setBackground(Color.WHITE);
}

public void actionPerformed(ActionEvent ae){
    try{
        if(ae.getSource() == b1){
            try{
                conn c = new conn();

                String name = t1.getText();

                String age = t2.getText();

                String gender = (String)comboBox.getSelectedItemAt();

                String company = t3.getText();

                String brand = t4.getText();

                String available = (String)comboBox_1.getSelectedItemAt();

                String location = t5.getText();

                String str = "INSERT INTO driver values( '"+name+"', '"+age+"', '"+gender+"', '"+company+"',
                '"+brand+"', '"+available+"', '"+location+"')";

                c.s.executeUpdate(str);

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

                this.setVisible(false);

            }catch(Exception ee){

```



```

        System.out.println(ee);
    }
}
else if(ae.getSource() == b2){
    this.setVisible(false);
}
}catch(Exception eee){
}
}
}

```

Conn.java

```

package hotel.management.system;

import java.sql.*;

public class conn{
    Connection c;
    Statement s;
    public conn(){
        try{
            Class.forName("com.mysql.jdbc.Driver");
            c = DriverManager.getConnection("jdbc:mysql:///hms","root","Iloveteja@044");
            s = c.createStatement();
        }catch(Exception e){
            System.out.println(e);
        }
    }
}

```

SQL Queries

```
create database hms;
```

```
use hms;
```

```
create table login(username varchar(40), password varchar(40));
```

```
insert into login values('admin','12345');
```

```
create table customer(id varchar(30), number varchar(30), name varchar(30), gender varchar(30),  
country varchar(30), room_number varchar(30), status varchar(30), deposit varchar(30));
```

```
create table room(room_number varchar(20), availability varchar(20), clean_status varchar(20),  
price varchar(20), bed_type varchar(30));
```

```
create table employee(name varchar(30), age varchar(10), gender varchar(30), job varchar(30),  
salary varchar(30), phone varchar(30), aadhar varchar(30), email varchar(40));
```

```
create table driver(name varchar(30), age varchar(10), gender varchar(20), company varchar(30),  
brand varchar(30), available varchar(10), location varchar(50));
```

```
create table department(department varchar(30), budget varchar(30));
```