DEPARTMENT SEM SEMESTER

HOTEL MANAGEMENT SYSTEM

Project Report

By: Name of Student

Roll No : Roll Number

For PARTIAL FULFILLMENT of Degree of

BACHELORS OF COMPUTER SCIENCE

UNIVERSITY NAME

Academic Year

YEAR

UNDER THE GUIDANCE OF

PROFESSOR NAME

COLLEGE NAME

COLLEGE ADDRESS – PIN CODE

CERTIFICATE

This is to certify that the project titled "PROJECT NAME" has been done by STUDENT NAME student of YEAR FIELD as per the project requirement for SEMESTER for the academic year YEAR under the guidance of PROFESSOR NAME

COLLEGE NAME

 UNIVERSITY NAME

Signature of Project Guide: _____

Date:

_____   _____

Signature of Examiner   Signature of Department Head

Date: Date:

INDEX

INTRODUCTION

In my project "**Hotel Management System**" I have tried to show how the data/information in hotels is managed. This is just an overview of management in hotels. It manages and maintains the records of customers, rooms, employees and drivers in the 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. This software application will help admin to handle customer information, room allocation details, Payment details etc.

The rooms have different categories like single bed, double bed etc. so their charges and records will be maintained accordingly.

This software has been made in a user friendly interface, so that anyone can add, delete, update the entries and handle all the transactions easily. As a security I have provided Admin username and Password.

The project, Hotel Management System is a desktop-based application that allows the hotel manager to handle all hotel activities online. Interactive GUI and the ability to manage various rooms, employees, drivers and customers make this system very flexible and convenient. This application gives managers the power and flexibility to manage the entire system from a single online system. Hotel management project provides room booking, staff management and other necessary hotel management features. The system allows the manager to post available rooms in the system.

OBJECTIVE

The objective of the Hotel Management System is to develop a project which maintains booking of rooms, providing drivers, etc. It is a windows based application to be implemented in Java

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.

Main objective of this project is to provide a solution for hotels to manage most their work using computerized processes. This software application will help admin to handle customer information, room allocation details, Payment details etc.

- Keeping records of admission of customers.
- Facilities provided by hotels are fully utilized in an effective and efficient manner.

FEATURM

1. Hotel Room Bookings and Reservation

2. Front Desk Operations

3. Managing Guest Profile

4. User Privilege and security control

5. Keeping a tab on guest check-in check-out status

6. Maintenance of hotel rooms.

7. Providing a user friendly interface.

ANALYSIS

Study Of Current System-

Current System of Hotel Management is fully based on paperwork. Hotel Management has to manage all records of customers and rooms on paper.

Problem and Weakness Of Current System-

Paperwork is a tedious job. There can be delay and the problem of human error in allocating rooms and providing resources.

HISTORY

Hotel Management Systems are able to automate the process of hotels. It is useful for authorities which keep track of all the users registered. The authority can hotel packages room detail and availability of rooms, online booking and other packages.

The following steps that give detailed information of the need for electronic managements are:

Performance

During the past several decades, the records are supposed to be manually handled for all activities. The manual handling of records is time consuming and highly prone to error. To improve the performance of the hotel management system, the computerized system had to be undertaken.

Efficiency

The basic need of this application is efficiency. The website should be efficient so that whatever the user submits any detail the application is updated immediately and automatically. These records will be useful for others instantly.

<u>Control</u>

The complete control of the electronic system is under the hands of authorized persons who have the password to access the system and illegal access is not permitted. Control is entirely in the hands of the administrator and the other members have the right to see the records not to change any transaction entry.

<u>Security</u>

Security is the main criteria for electronic hotel management systems. Since illegal access may corrupt the database and ensure protection of the stored data.

Cost Benefit Analysis

- Role Based Screen Access
- The roles can be any of the following:
- *<u>Administrator Role</u>* - is for provisioning of Register/Update/Remove/Transfer Contract.
- *<u>Data Entry role</u>* – for entering of basic form data
- *<u>Supervisory role</u>* – for review/approval/rejection/modification of data
- *<u>Decision making role</u>* – viewing of report and decision making

Contribution

Hotel Management Software is programmed to enable HR professionals for managing the data and information of the company's employees on a regular basis. The easy information regarding the employees is including contact details, investment details, and much more.

Accuracy:

Your system must be able to accommodate your employees and various customers or guests at your hotel. Once a good system is in place, you will have an accurate record of the check-in and check-out status of a customer. An automated system minimizes the possibility of human error, as the only real factor is whether employees remember to clock in and out.

Record-Keeping:

Another feature of a hotel management system is that it can be used to keep detailed and accurate records. These records can be stored in a main database on site,online or in an outside record-keeping facility. Record-keeping can help you monitor trends such as how much overtime you're paying and how many employees participate in your company retirement plans

ADVANTAGM OF HOTEL MANAGEMENT SYSTEM

- Sometime it happens that the rooms get booked soon when one visits the place therefore user can make advance booking using this system.
- It saves user time in searching a room.
- The system is useful as it calculates an exact cost of rooms for requested number of days.
- It saves organization resources and expenses.
- This system is effective and saves time and cost of users.
- It is less time consuming and provides maximum accuracy.

DRAWBACKS OF HOTEL MANAGEMENT SYSTEM

- The booking process usually requires a customer identity, which the system cannot detect.
- It requires a reliable internet connection

Feasibility Study

To analyze whether the software will meet organizational requirements Feasibility isdefined as the practical extent to which a project can be performed successfully. Toevaluate feasibility, a feasibility study is performed.

To determine whether the software can be implemented using the current technology and within the specified budget and schedule A feasibility study is a preliminary investigation of a proposed system to decide whether the system can run smoothly with the organization.

To determine whether the software can be integrated with other existing software.benefits that are expected and to decide will the organization go for it.

Three Types of feasibility study

1. *Technical Feasibility.*
Ascertains that the technology chosen for software development has a large number of users so that they can be consulted when problems arise or improvements are required

2. *Operational Feasibility.*

Analyzes whether users will adapt to a new software.Determines whether the organization is satisfied by the alternative solutions proposed by the software development team

3. *Economical Feasibility*

Cost of hardware, software, development team, and training. Feasible only if tangible and intangible benefits outweigh the cost. The cost for proposed online shopping system is outweighing the cost and efforts involved

REQUIREMENT SPECIFICATION

User Requirements

There should be software which allocates rooms automatically and maintains records of customers.

System Requirements

There should be a database backup of the hotel management system. There should be a Java supported framework for the system. Operating system should be WindowsXP or a higher version of windows.

User Interface

The User interface required to be developed for the system should be user friendly and attractive.

There are two sets of java APIs for graphics programming:

AWT (Abstract Windowing Toolkit) and Swing.

- □ AWT API was introduced in JDK 1.0. Most of the AWT components have become obsolete and should be replaced by newer Swing components.

- □ Swing API, a much more comprehensive set of graphics libraries that enhances the AWT, was introduced as part of Java Foundation Classes (JFC) after the release of JDK 1.1. JFC consists of Swing, Java2D, Accessibility, Internationalization, and Pluggable Look-and-Feel Support APIs. JFC was an add-on to JDK 1.1 but has been integrated into core Java since JDK 1.2.

For the development of this project both hardware and software were required. The hard required is any machine compatible for running the softwares and resources required.

Software Requirements

- ● Operating System   Windows 10
- ● Front End   Java, NetBeans
- ● Back End   MySQL

Hardware Requirements

- Desktop PC or a Laptop
- Printer
- Operating System – Windows 10
- Intel® CoreTM i3-6006U CPU @ 2.00GHz
- 4.00 GB RAM
- 64-bit operating system, x64 based processor
- 1024 x 768 monitor resolution
- Keyboard and Mouse

Class Diagram

Admin

Username:String
Password:String

login(){verify}

Add Room

RoomNo: Int
RoomType: String

AddRoom()

Add Drivers

Name: String
Age: Int
Gender: String
Brand: String
Company: String
Location: String
Availability: String

AddDriver()

New Customer

ID :String
Number: Int
Name:String
Gemder: String
Days: Int
Allocated Room: Int
Checked-in: String
Deposit: Int

NewCustomer()

Add Employee

Name : String
Age: Int
Gender: String
Job: String
Email: String
Phone: Int
Aadhar: Int
Salary: Int

AddEmployee()

Update Check

Roll No: Int
Availability: String

List_EMployee()

Employee

Name: String
ID: Int

Employee()

Update Room

Room no: Int
Status: String
Availibility: String

UpdateRoom()

CheckOut

Room No: Int
Deposit: Int
Status: String

CheckOut()

PickUp

List_Attendance

```
                              ┌──────────┐
                              │  Start   │
                              └────┬─────┘
                                   │
                              ┌────▼─────┐
                              │  Admin   │
                              └────┬─────┘
                                   │
         ┌──────────┐         ┌────▼──────────┐
         │  Admin   │◄────────┤ Correct Login │
         │ Database │────────►│  Information  │
         └──────────┘         └────┬──────────┘
                                   │ Yes
                              ┌────▼──────────┐
                              │  Admin Panel  │
                              └───────────────┘
```

Start → Admin → Correct Login Information (Admin Database) → Yes → Admin Panel

Admin Panel branches:

Employee → Add Employee → Yes → Employee Details → Employee Database

Customer → Add Customer → Yes → Customer Details → Customer Database

Customer → Chech-In Check-Out → Yes → Customer Status → Customer Database

Driver → Add Driver → Yes → Driver Detaiks → Driver Database

Driver → Assign Driver → Yes → Driver Status → Driver Database

Room → Add Room → Yes → Room Detaiks → Room Database

Room → Allocate Room → Yes → Room Status → Room Database

Exit → Exit → Stop
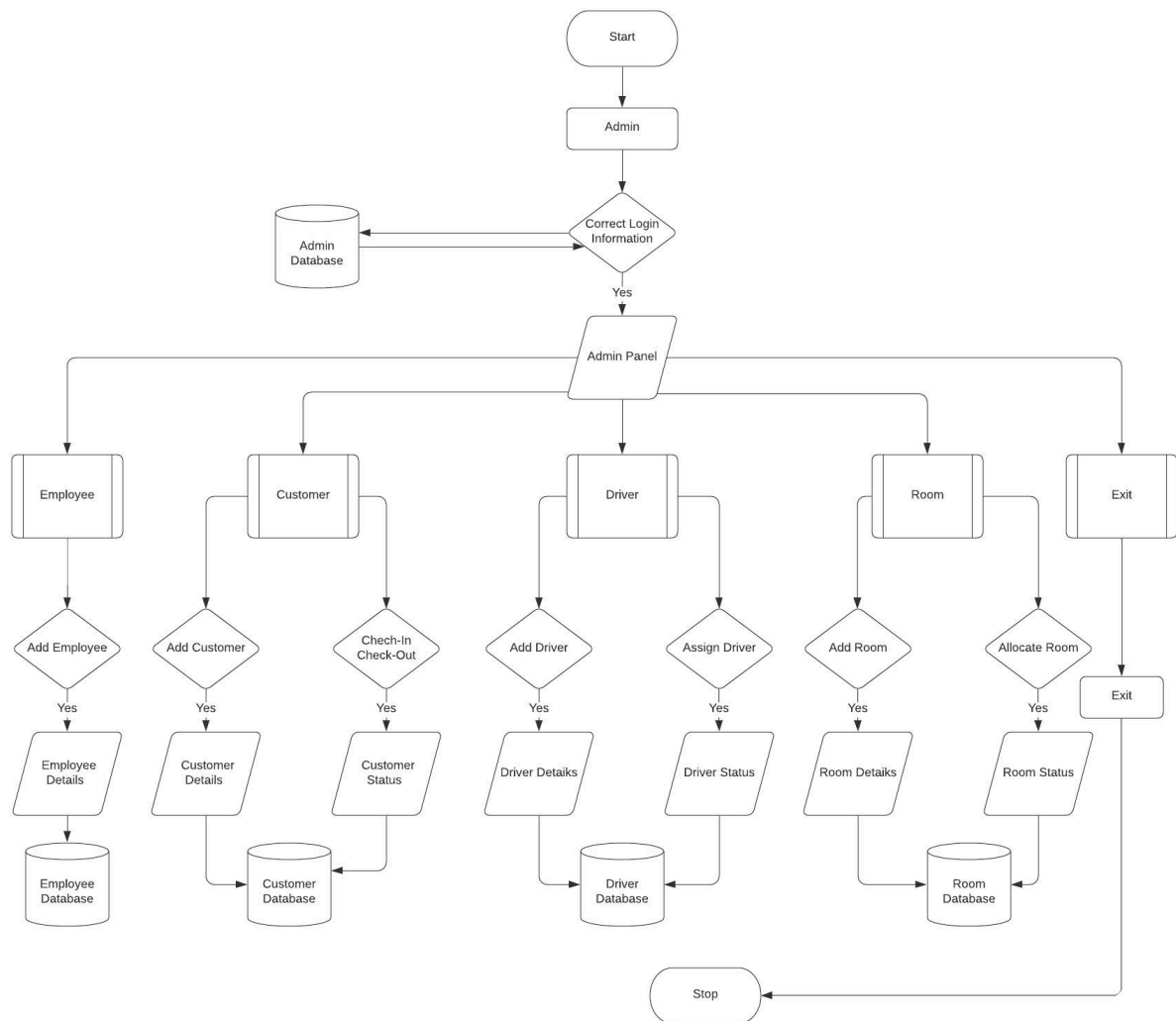
CODE

<u>Connection</u>

```java
package hotel.management.system;

import java.sql.*;

public class conn {

    public Connection conn;

    public Statement s;

    public PreparedStatement pstmt;

    public conn(){

        try{

            Class.forName("com.mysql.cj.jdbc.Driver");

            String connectionurl="jdbc:mysql://localhost:3306/hms?user=root&password=9029059791";

            conn=DriverManager.getConnection(connectionurl);

            System.out.println("Connected");

            s = conn.createStatement();

        }catch(Exception e) {

            e.printStackTrace();

        }

    }

}
```

Hotel Management System (Main Page)

```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(1366,430);         // 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
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/first.jpg"));

        Image i3 = i1.getImage().getScaledInstance(1366, 390,Image.SCALE_DEFAULT);

        ImageIcon i2 = new ImageIcon(i3);

        l1 = new JLabel(i2);

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

        lid.setBounds(30,300,1500,100);

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

        lid.setForeground(Color.red);
```

```java
        l1.add(lid);

        b1.setBounds(1170,325,150,50);

                l1.setBounds(0, 0, 1366, 390);

        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);
```
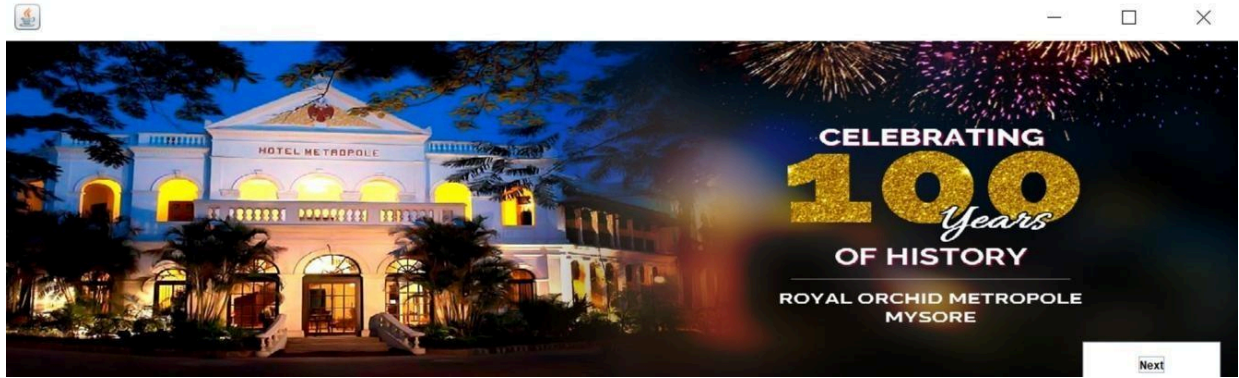
```
        }

}
```

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(40,20,100,30);

        add(l1);

        l2 = new JLabel("Password");

        l2.setBounds(40,70,100,30);

        add(l2);

        t1=new JTextField();

        t1.setBounds(150,20,150,30);

        add(t1);

        t2=new JPasswordField();

        t2.setBounds(150,70,150,30);
```

```java
add(t2);

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

Image i2 = i1.getImage().getScaledInstance(200,200,Image.SCALE_DEFAULT);

ImageIcon i3 = new ImageIcon(i2);

JLabel l3 = new JLabel(i3);

l3.setBounds(350,10,150,150);

add(l3);

b1 = new JButton("Login");

b1.setBounds(40,140,120,30);

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(180,140,120,30);

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(600,300);
```

```java
        setLocation(60
        0,350);
}
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.getSystemResource("hotel/management/system/icons/third.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 AirlineManagementSystem = new JLabel("THE TAJ GROUP WELCOMES YOU");

            AirlineManagementSystem.setForeground(Color.WHITE);

        AirlineManagementSystem.setFont(new Font("Tahoma", Font.PLAIN, 46));

            AirlineManagementSystem.setBounds(600, 60, 1000, 85);

            NewLabel.add(AirlineManagementSystem);
```

```java
JMenuBar menuBar = new JMenuBar();

    setJMenuBar(menuBar);

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

AirlineSystem.setForeground(Color.BLUE);

    menuBar.add(AirlineSystem);

JMenuItem FlightDetails = new JMenuItem("RECEPTION");

    AirlineSystem.add(FlightDetails);

    JMenu AirlineSystemHello = new JMenu("ADMIN");

AirlineSystemHello.setForeground(Color.RED);

    menuBar.add(AirlineSystemHello);

JMenuItem FlightDetailshello1 = new JMenuItem("ADD EMPLOYEE");

    AirlineSystemHello.add(FlightDetailshello1);

FlightDetailshello1.addActionListener(new ActionListener(){

  public void actionPerformed(ActionEvent ae){

    try{

      new AddEmployee().setVisible(true);

    }catch(Exception e ){}}

  }

  });

JMenuItem FlightDetailshello2 = new JMenuItem("ADD ROOMS");

    AirlineSystemHello.add(FlightDetailshello2);

FlightDetailshello2.addActionListener(new ActionListener(){

  public void actionPerformed(ActionEvent ae){

    try{

      new AddRoom().setVisible(true);
```

```java
        }catch(Exception e ){}

    }

    });

    FlightDetails.addActionListener(new ActionListener(){

    public void actionPerformed(ActionEvent ae){

        new Reception();

    }

    });

    JMenuItem FlightDetailshello3 = new JMenuItem("ADD DRIVERS");

        AirlineSystemHello.add(FlightDetailshello3);

        FlightDetailshello3.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);

  }

}
```
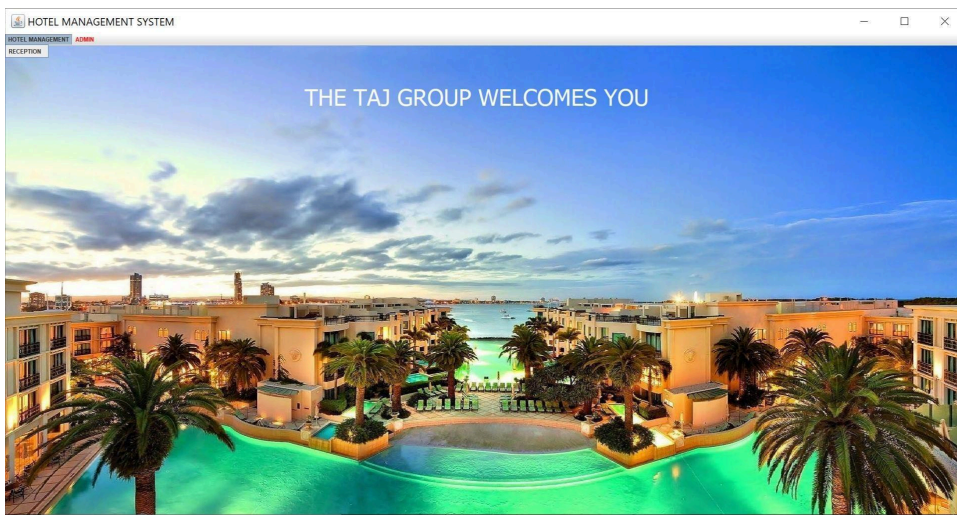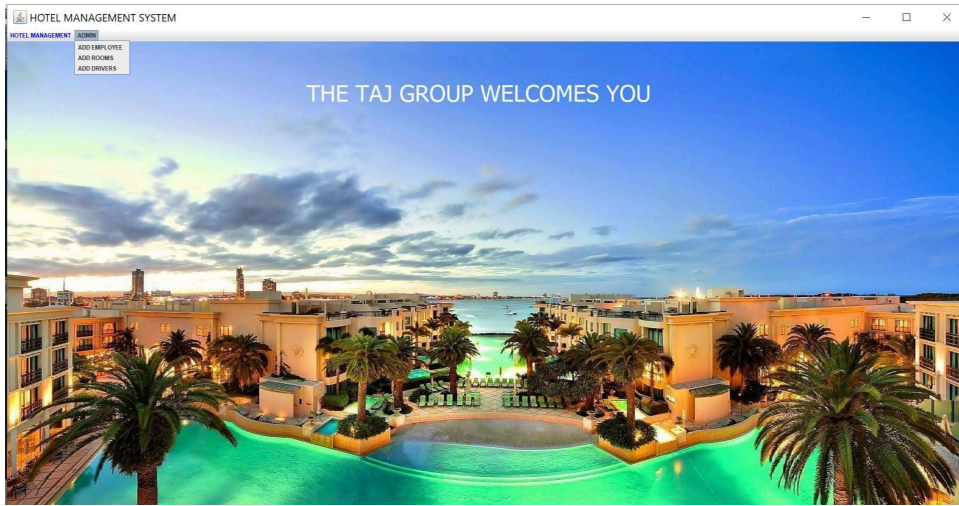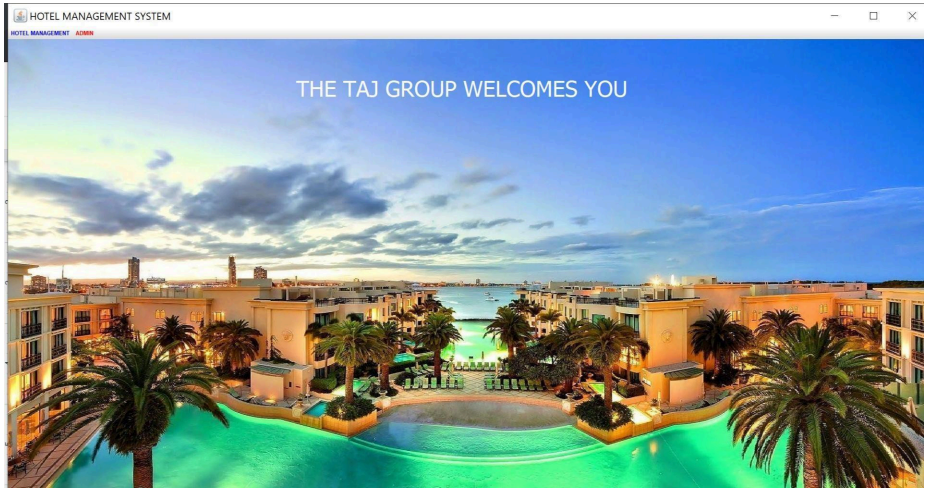
Reception

```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, 850, 570);

                contentPane = new JPanel();

                setContentPane(contentPane);

                contentPane.setLayout(null);

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

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

                ImageIcon i2 = new ImageIcon(i3);

                JLabel l1 = new JLabel(i2);

                l1.setBounds(250,30,500,470);

                add(l1);

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

                btnNewCustomerForm.addActionListener(new ActionListener() {
```

```java
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();

            }
```

```java
                }
        });
        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() {
```

```java
        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{

                    //error _____

                    CustomerInfo customer = new CustomerInfo();

                    customer.setVisible(true);

                    setVisible(false);

            }

            catch (Exception e1){
```

```java
                                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);
```

```java
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);

        setVisible(false);

                } catch (SQLException e1) {

                        // TODO Auto-generated catch block

                        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);
```

```java
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);
```

```java
                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);

   }

 }
```

New Customer Form

```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;

    /**

     * Launch the application.

     */

    public static void main(String[] args) {

            EventQueue.invokeLater(new Runnable() {
```

```java
                public void run() {

                        try {

                                NewCustomer frame = new NewCustomer();

                                frame.setVisible(true);

                        } catch (Exception e) {

                                e.printStackTrace();

                        }

                }

        });

}

public NewCustomer() throws SQLException {

    setBounds(530, 200, 850, 550);

        contentPane = new JPanel();

        setContentPane(contentPane);

        contentPane.setLayout(null);

    ImageIcon i1 = new
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/fifth.png"));

        Image i3 = i1.getImage().getScaledInstance(300, 400,Image.SCALE_DEFAULT);

        ImageIcon i2 = new ImageIcon(i3);

        JLabel l1 = new JLabel(i2);

        l1.setBounds(480,10,300,500);

        add(l1);

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

        lblName.setFont(new Font("Yu Mincho", Font.PLAIN, 20));

        lblName.setBounds(118, 11, 260, 53);
```
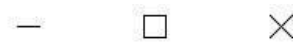
```java
        contentPane.add(lblName);

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);
```

```java
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("Days :");

        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);
```

```java
contentPane.add(c1);

JLabel lblCheckInStatus = new JLabel("Checked-In :");

lblCheckInStatus.setBounds(35, 316, 200, 14);

contentPane.add(lblCheckInStatus);

JLabel lblDeposite = 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()){
```

```java
            radio = "Male";

        }

        else if(r2.isSelected()){

            radio = "Female";

        }

        String s6 = c1.getSelectedItem();

        try{

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

                        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 customer
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());
```

```java
                }
                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);
    }
}
```

NEW CUSTOMER FORM

ID :   Passport ▼

Number :   [   ]

Name :   [   ]

Gender :   ○ Male   ○ Female

Days :   [   ]

Allocated Room Number :   101 ▼

Checked-In :   [   ]

Deposit :   [   ]

[**Add**]   [**Back**]

```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;

        /**

         * Launch the application.
```

```java
         */
        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 {

                //conn = Javaconnect.getDBConnection();

                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.getSystemResource("hotel/management/system/icons/eight.jpg"));

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

                ImageIcon i2 = new ImageIcon(i3);
```

```java
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";

                                        //PreparedStatement pst =
conn.prepareStatement(displayCustomersql);

                                        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);
```

```java
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);
```
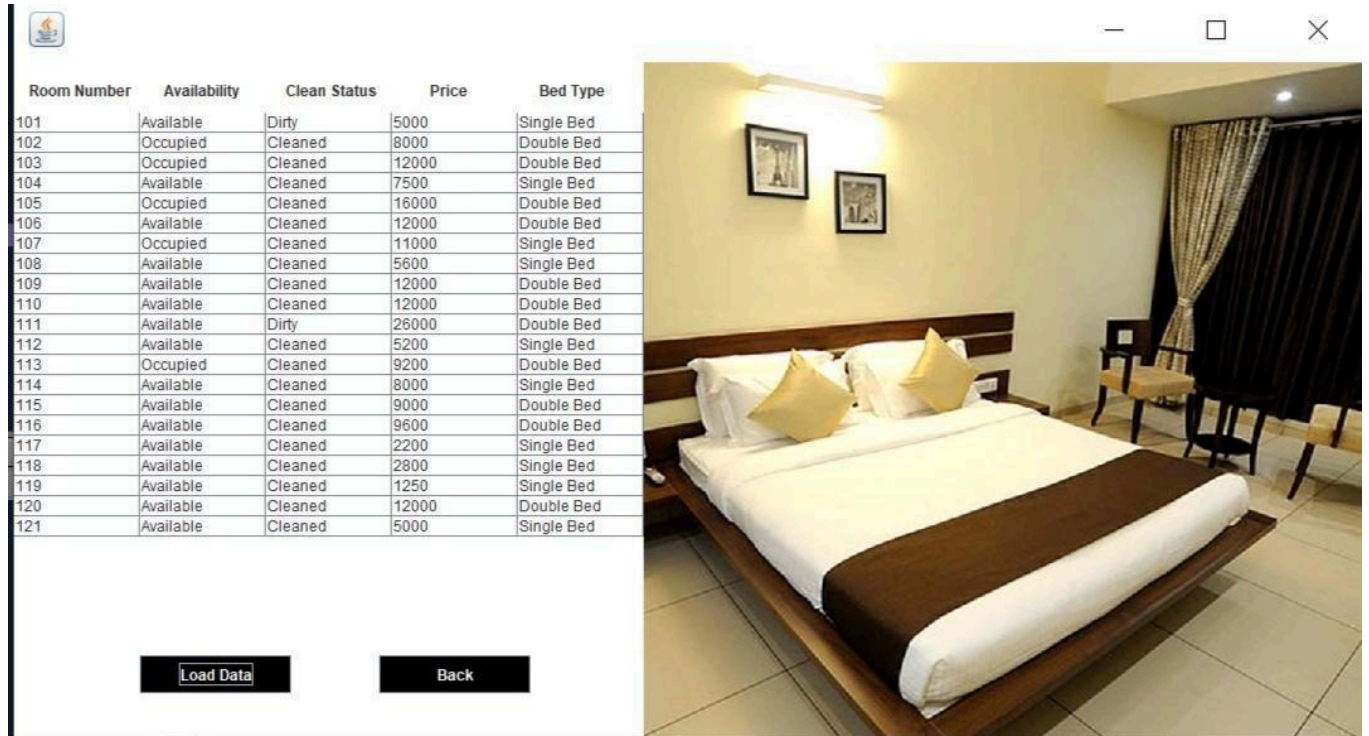
```java
        lblId = new JLabel("Room Number");

        lblId.setBounds(12, 15, 90, 14);

        contentPane.add(lblId);

    getContentPane().setBackground(Color.WHITE);

    }

}
```


Room Number	Availability	Clean Status	Price	Bed Type
101	Available	Dirty	5000	Single Bed
102	Occupied	Cleaned	8000	Double Bed
103	Occupied	Cleaned	12000	Double Bed
104	Available	Cleaned	7500	Single Bed
105	Occupied	Cleaned	16000	Double Bed
106	Available	Cleaned	12000	Double Bed
107	Occupied	Cleaned	11000	Single Bed
108	Available	Cleaned	5600	Single Bed
109	Available	Cleaned	12000	Double Bed
110	Available	Cleaned	12000	Double Bed
111	Available	Dirty	26000	Double Bed
112	Available	Cleaned	5200	Single Bed
113	Occupied	Cleaned	9200	Double Bed
114	Available	Cleaned	8000	Single Bed
115	Available	Cleaned	9000	Double Bed
116	Available	Cleaned	9600	Double Bed
117	Available	Cleaned	2200	Single Bed
118	Available	Cleaned	2800	Single Bed
119	Available	Cleaned	1250	Single Bed
120	Available	Cleaned	12000	Double Bed
121	Available	Cleaned	5000	Single Bed

Load Data   Back

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;
        /**
         * Launch the application.
         */
        public static void main(String[] args) {

                EventQueue.invokeLater(new Runnable() {

                        public void run() {
```

```java
                try {

                        Department frame = new Department();

                        frame.setVisible(true);

                } catch (Exception e) {

                        e.printStackTrace();

                }

        }

    });

}

public void close()

{

        this.dispose();

}

/**

 * Create the frame.

 * @throws SQLException

 */

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);
```

```java
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);
```

```java
                    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);

    }

}
```

Department	Budget
Front Office	1000000
Housekeeping	120000
Food and Beverage	1620000
Kitchen or F&B Production	790600
Engineering and Maintainence	510156
Account	102456
Security	1127780
HR Department	100000
Sales and Marketing	28300

Load Data   Back

```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;

        /**

         * Launch the application.

         */

        public static void main(String[] args) {
```

```java
                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();

        }

        /**

         * Create the frame.

         * @throws SQLException

         */

        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));
```

```java
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() {
```

```java
        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");
```

```java
        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);

    }

}
```

Name	Age	Gender	Job	Salary	Phone	Aadhar	Gmail
Akash Jain	23	male	Waiter/Waitress	12000	116548945132	5416545613213	akash@gmail.com
Vansh Soni	34	male	Housekeeping	20000	8711546513	45153165444541	vansh@gmail.com
Radha Singh	28	female	Waiter/Waitress	15000	6484513277	54554121548747	radha@gmail.com
Parth Mishra	30	male	Manager	30000	784231545	54842032484854	parth@gmail.com
Jay Bhatt	28	male	Room Service	17000	875451515	548784121548	jay@gmail.com
Vaibhav	32	male	Accountant	25000	4515145415	54215486784512	vaibhav@gmail.co
Shray Jain	23	male	Waiter/Waitress	12000	992463571	789245179632	shray@gmail.com
Dhruv	26	male	Housekeeping	11000	8246137594	742589614523	dhruv@gmail.com
Divyanshu	28	male	Front Desk Clerks	22000	8471236528	485236971528	d@gmail.com
Sarthak	32	male	Manager	52000	7548931524	485123697458	sar@gmail.com
Gurvinder Singh	32	male	Chef	32000	76548932145	7845323961457	gs@gmail.com

Load Data   Back

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;

```java
/**

 * Launch the application.

 */

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();

}

/**

 * Create the frame.

 * @throws SQLException

 */

public CustomerInfo() throws SQLException {

        //conn = Javaconnect.getDBConnection();
```

```java
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));
```

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

        btnLoadData.setBounds(300, 510, 120, 30);
btnLoadData.setBackground(Color.BLACK);
btnLoadData.setForeground(Color.WHITE);
        contentPane.add(btnLoadData);

        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);
```

```java
        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);

    }

}
```
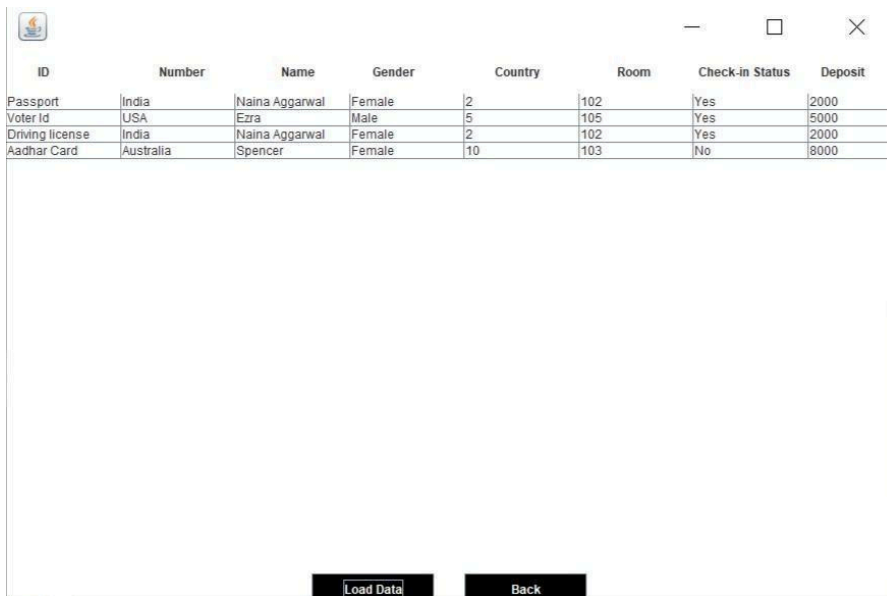
ID	Number	Name	Gender	Country	Room	Check-in Status	Deposit
Passport	India	Naina Aggarwal	Female	2	102	Yes	2000
Voter Id	USA	Ezra	Male	5	105	Yes	5000
Driving license	India	Naina Aggarwal	Female	2	102	Yes	2000
Aadhar Card	Australia	Spencer	Female	10	103	No	8000

Load Data   Back

Manager Info

```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;

        /**

         * Launch the application.

         */

        public static void main(String[] args) {
```

```java
            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();

    }

    /**

     * Create the frame.

     * @throws SQLException

     */

    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));
```

```java
        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");
```

```java
        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);
```

```java
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);

    }

}
```

Name	Age	Gender	Job	Salary	Phone	Aadhar	Gmail
Parth Mishra	30	male	Manager	30000	784231545	54842032484854	parth@gmail.com
Sarthak	32	male	Manager	52000	7548931524	485123697458	sar@gmail.com

Load Data   Back

```
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;

    /**

     * Launch the application.

     */

    public static void main(String[] args) {

            EventQueue.invokeLater(new Runnable() {

                    public void run() {

                            try {

                                    CheckOut frame = new CheckOut();
```

```java
                                frame.setVisible(true);

                        } catch (Exception e) {

                                e.printStackTrace();

                        }

                }

        });

}

public void close(){

        this.dispose();

}

/**

 * Create the frame.

 * @throws SQLException

 */

public CheckOut() throws SQLException {

        //conn = Javaconnect.getDBConnection();

        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        setBounds(530, 200, 800, 294);

        contentPane = new JPanel();

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

        setContentPane(contentPane);

        contentPane.setLayout(null);

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

        Image i3 = i1.getImage().getScaledInstance(400, 225,Image.SCALE_DEFAULT);
```

```java
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.getSystemResource("hotel/management/system/icons/tick.png"));

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

ImageIcon i6 = new ImageIcon(i5);
```

```java
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() {
```

```java
            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);
```

```java
            setVisible(false);

                }

        });

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

    btnExit.setBackground(Color.BLACK);

    btnExit.setForeground(Color.WHITE);

        contentPane.add(btnExit);

    getContentPane().setBackground(Color.WHITE);

    }

}
```


Check Out

Number : India

Room Number:

Check Out   Back

Update Check Status

```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;

        /**

         * Launch the application.

         */

        public static void main(String[] args) {
```

```java
                EventQueue.invokeLater(new Runnable() {

                        public void run() {

                                try {

                                        UpdateCheck frame = new UpdateCheck();

                                        frame.setVisible(true);

                                } catch (Exception e) {

                                        e.printStackTrace();

                                }

                        }

                });

        }

        public void close(){

                this.dispose();

        }

/**

        * Create the frame.

        * @throws SQLException

        */

        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);
```

```java
        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.getSystemResource("hotel/management/system/icons/nine.jpg"));

    JLabel l1 = new JLabel(i1);

    l1.setBounds(450,70,476,270);

    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, 140, 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();
```

```java
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();

        int amt;

        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){
```

```java
                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();
```

```java
            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);

  }

}
```

Update Room Status

```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;

/**

        * Launch the application.

        */

        public static void main(String[] args) {
```

```java
            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();

        }

/**

     * Create the frame.

     * @throws SQLException

     */

    public UpdateRoom() throws SQLException {

        //conn = Javaconnect.getDBConnection();

        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        setBounds(530, 200, 1000, 450);

        contentPane = new JPanel();

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

        setContentPane(contentPane);
```

```java
        contentPane.setLayout(null);

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

    Image i3 = i1.getImage().getScaledInstance(550, 250,Image.SCALE_DEFAULT);

    ImageIcon i2 = new ImageIcon(i3);

    JLabel l1 = new JLabel(i2);

    l1.setBounds(400,80,600,250);

    add(l1);

        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, 140, 20);

        contentPane.add(c1);
```

```java
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);
```

```java
          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();
```

```java
                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:");
```
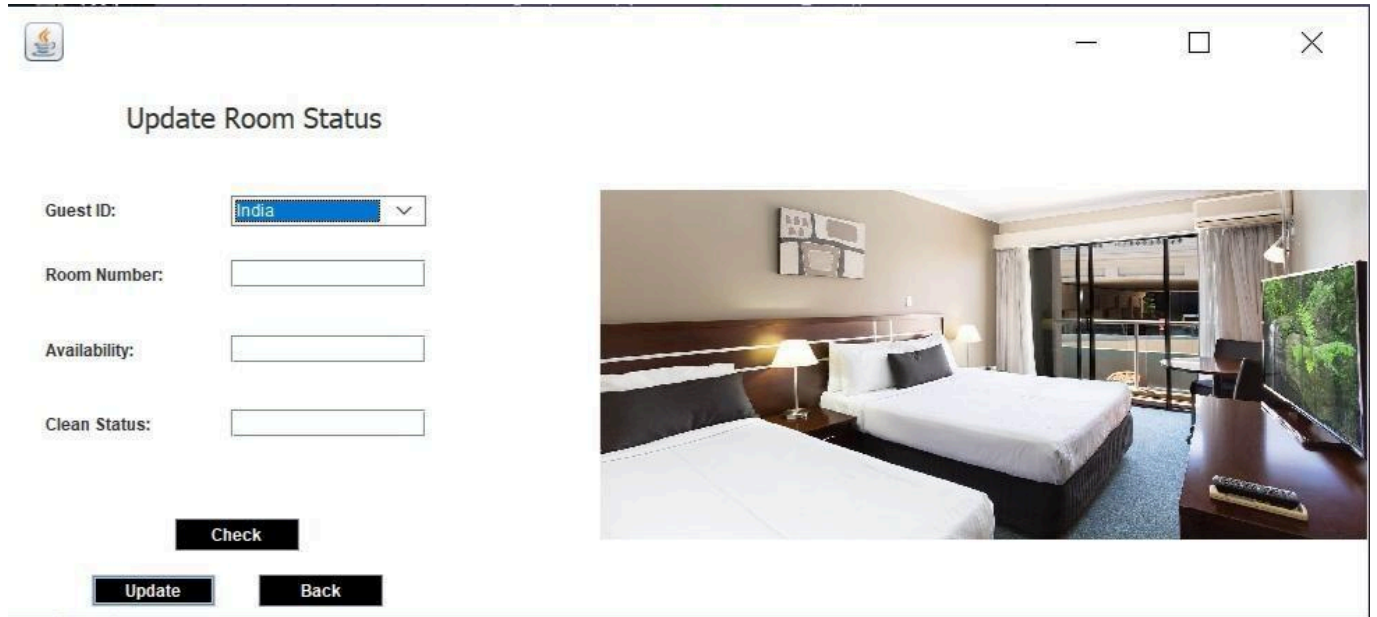
```
lblRoomId.setBounds(27, 133, 100, 14);

contentPane.add(lblRoomId);

getContentPane().setBackground(Color.WHITE);

    }

}
```

```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;

    /**

     * Launch the application.

     */

    public static void main(String[] args) {

            EventQueue.invokeLater(new Runnable() {

                    public void run() {

                            try {
```

```java
                                    PickUp frame = new PickUp();

                                    frame.setVisible(true);

                        } catch (Exception e) {

                                    e.printStackTrace();

                        }

                }

        });

}

public void close()

{

        this.dispose();

}
/**
 * Create the frame.
 * @throws SQLException
 */
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");
```

```java
            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, 150, 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{
```

```java
                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();
```

```java
        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);
    }

}
```

Pick Up Service

Type of Car	Fortuner ⌄

Name	Age	Gender	Company	Brand	Available	Location
Shweta	32	Female	Toyota	Fortuner	Available	Airport

Display　　　　　**Back**

```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;

/**

        * Launch the application.

        */

        public static void main(String[] args) {
```

```java
                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();

        }

/**

        * Create the frame.

        * @throws SQLException

        */

        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));
```

```java
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);
```

```java
        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);

            }

}
```

Search For Room

Room Bed Type: [Double Bed ▼]   ☑ Only display Available

Room Number	Availability	Clean Status	Price	Bed Type
106	Available	Cleaned	12000	Double Bed
109	Available	Cleaned	12000	Double Bed
110	Available	Cleaned	12000	Double Bed
111	Available	Dirty	26000	Double Bed
115	Available	Cleaned	9000	Double Bed
116	Available	Cleaned	9600	Double Bed
120	Available	Cleaned	12000	Double Bed

[Search]

Add Employee

```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(778,486);

        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");
```

```java
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));
```

```java
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);
```

```java
        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.BLUE);

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

        AddPassengers.setBounds(450, 24, 442, 35);

        add(AddPassengers);
ImageIcon i1 = new
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/tenth.jpg"));

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

        ImageIcon i2 = new ImageIcon(i3);

        JLabel image = new JLabel(i2);

        image.setBounds(410,80,480,410);

        add(image);

        Next.addActionListener(new ActionListener(){
```

```java
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+"')";

        c.s.executeUpdate(str);

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

        setVisible(false);

    } catch (Exception e) {

        e.printStackTrace();

    }

}
```

```
      });

       setSize(900,600);

      setVisible(true);

      setLocation(530,200);

       }

    public static void main(String[] args){

       new AddEmployee();

    }

}
```

Add Rooms

```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, 1000, 450);

        contentPane = new JPanel();

        setContentPane(contentPane);

        contentPane.setLayout(null);

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

            Image i3 = i1.getImage().getScaledInstance(500, 300,Image.SCALE_DEFAULT);
```

```java
        ImageIcon i2 = new ImageIcon(i3);

        JLabel l15 = new JLabel(i2);

        l15.setBounds(400,30,500,370);

        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");
```

```java
        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);
```

```java
        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.getSelectedItem();

          String status = (String)comboBox_2.getSelectedItem();

          String price = t2.getText();

          String type = (String)comboBox_3.getSelectedItem();

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

          c.s.executeUpdate(str);
```

```java
                    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){

    }

  }

}
```
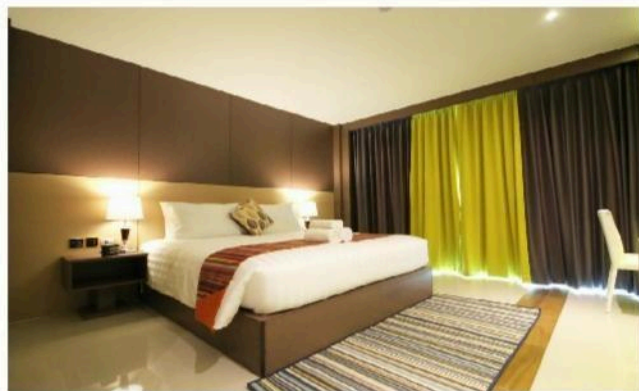
```java
package hotel.management.system;

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, 1000, 500);

        contentPane = new JPanel();

        setContentPane(contentPane);

        contentPane.setLayout(null);

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

        Image i3 = i1.getImage().getScaledInstance(500, 300,Image.SCALE_DEFAULT);
```

```java
        ImageIcon i2 = new ImageIcon(i3);

        JLabel l15 = new JLabel(i2);

        l15.setBounds(400,30,500,370);

        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");
```

```java
        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));
```

```java
        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);
```

```java
        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.getSelectedItem();

            String company = t3.getText();

            String brand = t4.getText();

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

            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){

  }

 }

}
```

DATABASE

```
create database hms;

use hms;
```

Login Database

```
create table login(

username varchar(40),

password varchar(40)

);

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

Customer Database

```
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)

);
```

Room Database

```
create table room(

room_number varchar(20),

availability varchar(20),

clean_status varchar(20),
```

```
price varchar(20),

bed_type varchar(30)

);
```

Employee Database

```
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)

);
```

Driver Database

```
create table driver(

name varchar(30),

age varchar(10),

gender varchar(20),

company varchar(30),

brand varchar(30),

available varchar(10),

location varchar(50)

);
```

Department Database

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

```
mysql> select * from department;
+------------------------------+---------+
| department                   | budget  |
+------------------------------+---------+
| Front Office                 | 1000000 |
| Housekeeping                 | 120000  |
| Food and Beverage            | 1620000 |
| Kitchen or F&B Production     | 790600  |
| Engineering and Maintainence | 510156  |
| Account                      | 102456  |
| Security                     | 1127780 |
| HR Department                | 100000  |
| Sales and Marketing          | 28300   |
+------------------------------+---------+
9 rows in set (0.07 sec)

mysql> select *from driver;
+--------+-----+--------+---------+----------+-----------+---------+
| name   | age | gender | company | brand    | available | location |
+--------+-----+--------+---------+----------+-----------+---------+
| Raju   | 44  | Male   | Bugatti | Veyron   | Yes       | Airport |
| Shweta | 32  | Female | Toyota  | Fortuner | Available | Airport |
+--------+-----+--------+---------+----------+-----------+---------+
2 rows in set (0.07 sec)
```

```
mysql> select *from room;
+-------------+--------------+--------------+-------+------------+
| room_number | availability | clean_status | price | bed_type   |
+-------------+--------------+--------------+-------+------------+
| 101         | Available    | Dirty        | 5000  | Single Bed |
| 102         | Occupied     | Cleaned      | 8000  | Double Bed |
| 103         | Occupied     | Cleaned      | 12000 | Double Bed |
| 104         | Available    | Cleaned      | 7500  | Single Bed |
| 105         | Occupied     | Cleaned      | 16000 | Double Bed |
| 106         | Available    | Cleaned      | 12000 | Double Bed |
| 107         | Occupied     | Cleaned      | 11000 | Single Bed |
| 108         | Available    | Cleaned      | 5600  | Single Bed |
| 109         | Available    | Cleaned      | 12000 | Double Bed |
| 110         | Available    | Cleaned      | 12000 | Double Bed |
| 111         | Available    | Dirty        | 26000 | Double Bed |
| 112         | Available    | Cleaned      | 5200  | Single Bed |
| 113         | Occupied     | Cleaned      | 9200  | Double Bed |
| 114         | Available    | Cleaned      | 8000  | Single Bed |
| 115         | Available    | Cleaned      | 9000  | Double Bed |
| 116         | Available    | Cleaned      | 9600  | Double Bed |
| 117         | Available    | Cleaned      | 2200  | Single Bed |
| 118         | Available    | Cleaned      | 2800  | Single Bed |
| 119         | Available    | Cleaned      | 1250  | Single Bed |
| 120         | Available    | Cleaned      | 12000 | Double Bed |
| 121         | Available    | Cleaned      | 5000  | Single Bed |
+-------------+--------------+--------------+-------+------------+
21 rows in set (0.05 sec)
```

```
mysql> select *from employee;
+-----------------+------+--------+------------------+--------+---------------+-----------------+----------------------+
| name            | age  | gender | job              | salary | phone         | aadhar          | email                |
+-----------------+------+--------+------------------+--------+---------------+-----------------+----------------------+
| Akash Jain      | 23   | male   | Waiter/Waitress  | 12000  | 116548945132  | 5416545613213   | akash@gmail.com      |
| Vansh Soni      | 34   | male   | Housekeeping     | 20000  | 8711546513    | 45153165444541  | vansh@gmail.com      |
| Radha Singh     | 28   | female | Waiter/Waitress  | 15000  | 6484513277    | 54554121548747  | radha@gmail.com      |
| Parth Mishra    | 30   | male   | Manager          | 30000  | 784231545     | 54842032484854  | parth@gmail.com      |
| Jay Bhatt       | 28   | male   | Room Service     | 17000  | 875451515     | 548784121548    | jay@gmail.com        |
| Vaibhav         | 32   | male   | Accountant       | 25000  | 4515145415    | 54215486784512  | vaibhav@gmail.com    |
| Shray Jain      | 23   | male   | Waiter/Waitress  | 12000  | 992463571     | 789245179632    | shray@gmail.com      |
| Dhruv           | 26   | male   | Housekeeping     | 11000  | 8246137594    | 742589614523    | dhruv@gmail.com      |
| Divyanshu       | 28   | male   | Front Desk Clerks| 22000  | 8471236528    | 485236971528    | d@gmail.com          |
| Sarthak         | 32   | male   | Manager          | 52000  | 7548931524    | 485123697458    | sar@gmail.com        |
| Gurvinder Singh | 32   | male   | Chef             | 32000  | 76548932145   | 7845323961457   | gs@gmail.com         |
+-----------------+------+--------+------------------+--------+---------------+-----------------+----------------------+
11 rows in set (0.06 sec)
```

```
MySQL 8.0 Command Line Client                                                    —  □  ×

mysql> use hms;
Database changed
mysql> select * from login;
+----------+----------+
| username | password |
+----------+----------+
| admin    | 12345    |
+----------+----------+
1 row in set (0.97 sec)

mysql> select * from customer;
+-----------------+-----------+----------------+--------+---------+-------------+--------+---------+
| id              | number    | name           | gender | country | room_number | status | deposit |
+-----------------+-----------+----------------+--------+---------+-------------+--------+---------+
| Passport        | India     | Naina Aggarwal | Female | 2       | 102         | Yes    | 2000    |
| Voter Id        | USA       | Ezra           | Male   | 5       | 105         | Yes    | 5000    |
| Driving license | India     | Naina Aggarwal | Female | 2       | 102         | Yes    | 2000    |
| Aadhar Card     | Australia | Spencer        | Female | 10      | 103         | No     | 8000    |
+-----------------+-----------+----------------+--------+---------+-------------+--------+---------+
4 rows in set (0.11 sec)
```

T esting

Unit Testing

Unit testing is a testing technique in which modules are tested individually. Small individual units of source code are tested to determine whether it is fit to use or not. Different modules of games are put to test while the modules are being developed. Here modules refer to individual levels, players, scenes

Integration Testing

Integration testing is the technique in which individual components or modules are grouped together and tested. It occurs after testing. The input for the integrated testing, are the modules that have already been unit tested.

System Testing

System testing is conducted on the entire system as a whole to check whether the system meets its requirements or not. 'Valar Morghulis' was installed on different systems and any errors or bugs that occurred were fixed.

Acceptance Testing

User Acceptance is defined as a type of testing performed by the Client to certify the system with respect to the requirements that was agreed upon. This testing happens in the final phase of testing before moving the software application to the Market or Production environment.

FUTURE SCOPE

The world is changing rapidly and so is the meaning of the Hotel Management System. Today hotel management is not only confined to hotels but has gone deep into tourism, catering, clubs, etc making it a very paying and an exciting career option.

With the rapid growth of the hotel industry pushed forward by foreign and domestic tourism and business travels, the demand for well trained and quality personnel too has gone up high. India is one of the preferred tourist and travel destinations. Approx 4.4 million tourists visit our country every year. The growth of 20% has been recorded in the tourist and hospitality industry over a few years and more growth is expected in coming years. At present, there are about 200 millions of jobs available in the industry, out of which 20% of the job opportunities are in India.

The Hotel Management System has a lot of enhancement options. In future more features may be added category-wise. It may try to analyze the user behaviour and preferences and accordingly suggest. All concepts can be applied to make the Hotel Management System more efficient.

REFERENCM

www.youtube.com

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