HOTEL MANAGEMENT SYSTEM

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HOTEL MANAGEMENT SYSTEM

A project submitted to the

Yashwantrao Chavan Maharashtra Open University, Nashik.

in Partial fulfilment of

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Bachelor of Computer Science

(B.C.A)

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Year

2020-2021

CERTIFICATE OF COMPLETION

This is to certify that the team of the following students of B.C.A have completed the Project work titled " **Hotel Management System**"

The project report has been written according to the guidelines given by the YASHWANTRAO CHAVAN MAHARASHTRA OPEN UNIVERSITY.

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Signature of the Study Centre Coordinator

Signature of the Guide

Name of the Study Centre Coordinator

Name of the Guide

Stamp of the Study Centre

ACKNOWLEDGEMENT

This acknowledgement is nothing but a small token of gratitude towards the people who have helped along the way. We take this opportunity of submitting this dissertation report to express a deep regard towards the ones who offered their valuable guidance during the course to completion of this project.

We feel privileged to express our deepest sense of gratitude and sincere thanks to our Project Guide **Mr. Zartab Nakhwa & Naved Ansari** for his excellent guidance from selection of this project and to its successful completion. His prompt and kind help directed us to the completion of the desired project and dissertation work.

We would like to express our sincere gratitude and thanks towards our Head of

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We would also like to thank all the **Lab Assistants** of our Computer Department for providing us with the requisite facilities to complete the Project Work.

Finally, we would like to acknowledge all our friends those who directly or indirectly helped us in completion of our project.

SUMMARY

In our project "**Hotel Management System**" we 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 solution for hotel to manage most their work using computerized process. 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.

Contents

INTRODUCTION

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. The hotel manager is a very busy person and does not have the time to sit and manage the entire activities manually on paper. This application gives him 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.

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 include 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.

ADMINISTRATIVE MODULES

There are 2 modules we have included in this project:

1. Admin: Admin can add a new room, a new employee and a new driver.

2. Receptionist: Receptionist can add a new customer and allocate rooms, can check all room details, customers details, employee details, search for a particular room etc.

The application of the Hotel Management System bears the following functions to use by the Administrator:

- Add a new Room
- Add an Employee
- Add a new Customer
- Check room status
- Check all employees' details
- Check all Customers' details
- Update room status
- Update check status etc.

MAIN OBJECTIVES

Main objective of this project is to provide solution for hotel to manage most their work using computerized process. 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 hotel are fully utilized in effective and efficient manner.

Existing System:

In the existing manual system, a lot of time is spent in communicating the information across different branches. There is a need for an automated system, which has some centralized control over the entire process. Conventional System makes use of huge amounts of paper for recording transactions. All the Hotel records are to be maintained for the details of each customer, Fee details, Room Allocation etc.

- Time consuming
- Inaccuracy of data

Proposed System:

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

Advantages:

- Less Time consuming
- Maintain accuracy

REQUIREMENTS

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.

Software Interfaces

Programming Language	Java
Back End Tool	MySQL 5.5 command line client

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

ADVANTAGES OF HOTEL MANAGEMENT SYSTEM

- Sometimes 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

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.

Software Requirements

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

Hardware Requirements

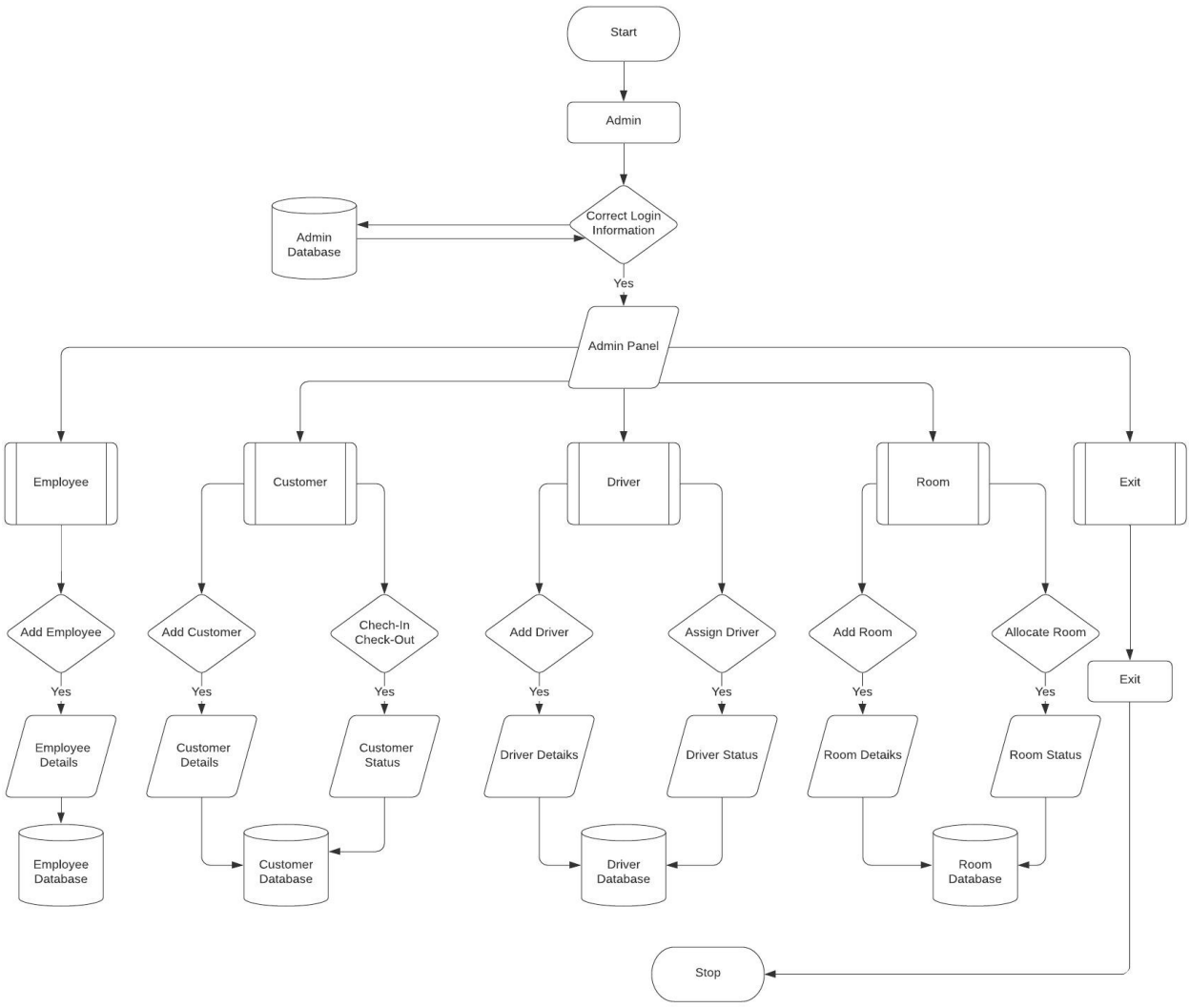
- Desktop PC or a Laptop
- Printer
- Operating System – Windows 10 Intel® CoreTM i3-6006U CPU @ 2.00GHz
- 4.00 GB RAM

ALGORITHM AND FLOW PROCESS

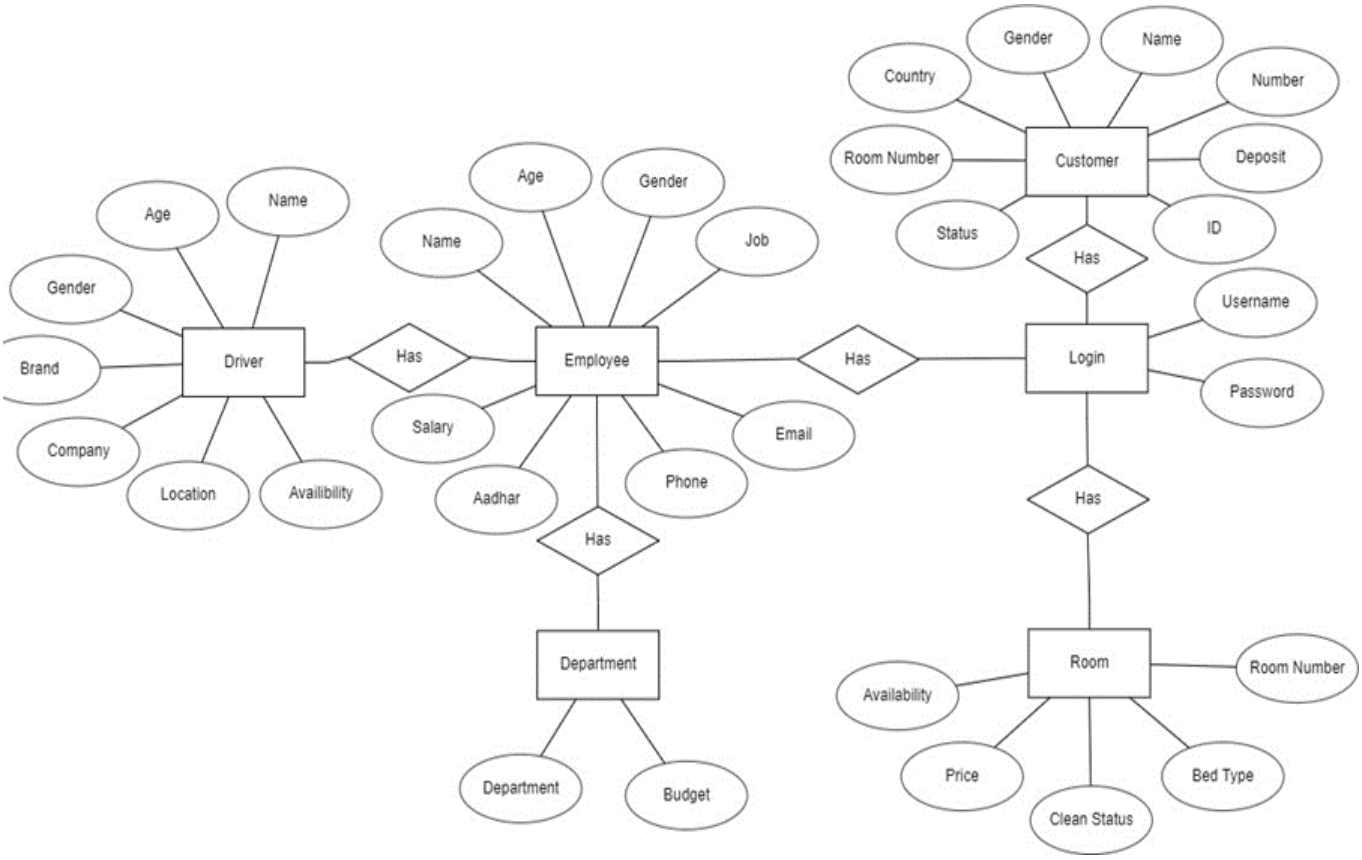
1. Start
2. Create the main class named as Hotel Management System that extends JFrame implements ActionListener and add buttons login.
3. Create a database in MySQL name projecthms. Clear instructions to install and create database and tables is given in the README.txt file.
4. Import the following files -import com.mysql.jdbc.PreparedStatement; import java.awt.Color; import java.awt.event.KeyAdapter; import java.awt.event.KeyEvent; import java.sql.Connection; import java.sql.DriverManager; import java.sql.ResultSet; import java.sql.SQLException; import java.sql.Statement; import javax.swing.JOptionPane; import javax.swing.table.DefaultTableModel.
5. Create a Login class that extends JFrame, add text label and password label to the JFrame and two-button Login.
6. Enter the username “admin” and password “password” to click the login button to confirm access.
7. Create a class connection add declare a variable connect with data type Connection creates a connection by using “com.mysql.jdbc.Driver" now Connection the code with database using Driver Manger using the following string "jdbc:mysql://localhost/projecthms","root","password";
8. Create a class main menu that extends JFrame, Add the following buttons to the JFrame that has buttons Hotel Management and admin and logout, where hotel management button calls reception class and admin button calls administration class.
9. Now create a administration class that has Add Employee and Add Room and back buttons. Add Employee button calls addEmployee class and Add Room button calls addRoom class.
10. Now create AddEmployee Class that contains input fields where the employee data can be given as an input and then using a button submit stores the data of the employee in the MySQL database in table called “employee” using JDBC connect. Same thing for the AddRoom, the input details of the room will be stored in the MySQL database in the table “room” using JDBC connect, inside the Action Performed block.
11. Once the valid details entered the button submit stores the details in the database and returns to the previous class Frame. Or by clicking the Back will return to the previous class file.
12. Now in the Hotel Management in the main menu, the action performed by this button will lead to hotel reception where, new customer form , room, all employee info, customer info, manager info, checkout, update check status, update room and main menu buttons exist.

13. Now New Customer Form button will lead to Customer form class where the details of a new customer can be added and then step 12 will be performed.
14. Now Room button will lead to room class file that will display all the rooms in the form of a table and the button Load data will refresh if any changes are updated in the database. And the button Back will take back to the reception screen.
15. Now all employee info button will lead to employee info class file that will display all the employees in the form of a table and the button Load data will refresh if any changes are updated in the database. And the button Back will take back to the reception screen.
16. Now Customer info button will lead to employee info class file that will display all the customers in the form of a table and the button Load data will refresh if any changes are updated in the database. And the button Back will take back to the reception screen.
17. Now manager info button will lead to employee info class file that will display all the managers in the form of a table and the button Load data will refresh if any changes are updated in the database. And the button Back will take back to the reception screen
18. The Checkout button will lead to check out class where there exists a choice box which displays all the checked in customer id's and once selected there's an image button that will show the corresponding room number in the below text field. With help of the button Check Out, once action is performed the details of the customers will be removed from the checked in table and room will be Available for other customers. And reception class will be visible. Or with the Back button, the action can take back to the reception frame.
19. The Update Check status button will lead to check in class where there exists a choice box which displays all the checked in customer id's and once selected there's an check button that will show the corresponding details of the customer in the below text fields. And the amount paid, and the pending amount can be seen and adjusted here. Once everything is done the button update will update the details in the database and will return the reception frame. Or with the Back button, the action can take back to the reception frame.
20. The Update room status button will lead to rom class where there exists a choicebox which displays all the checked in customer id's and once selected there's a check button that will show the corresponding details of the customer in the below text fields. And the room cleaning status and the availability can be seen and adjusted here. Once everything is done the button update will update the details in the database and will return the reception frame. Or with the Back button, the action can take back to the reception frame.
21. Finally, there exists a button Main Menu, the action performed by this will takeback to the main menu frame

FLOWCHART


Start
Admin
Admin Database
Correct Login Information
Yes
Admin Panel
Employee
Customer
Driver
Room
Exit
Add Employee
Add Customer
Chech-In Check-Out
Add Driver
Assign Driver
Add Room
Allocate Room
Exit
Yes
Employee Details
Customer Details
Customer Status
Driver Detaiks
Driver Status
Room Detaiks
Room Status
Employee Database
Customer Database
Driver Database
Room Database
Stop

ER DIAGRAM


Gender
Name
Country
Number
Room Number
Customer
Deposit
Status
ID
Has
Username
Age
Gender
Name
Job
Age
Name
Gender
Brand
Driver
Has
Employee
Has
Login
Password
Salary
Email
Company
Location
Availibility
Aadhar
Phone
Has
Has
Department
Room
Room Number
Availability
Price
Bed Type
Clean Status
Department
Budget

DATABASE TABLES

1.Customer

Field	Datatype	Constraint
Id	Varchar(30)	NN
number	Numeric(30)	PK
Name	Varchar(30)	NN
gender	Varchar(30)	NN
country	Varchar(30)	NN
Room number	Numeric(30)	NN
Status	Varchar(30)	NN
Deposit	Numeric(30)	NN

2.Room

Field	Datatype	Constraint
Room number	Numeric(30)	PK
Availability	Varchar(30)	NN
Clean status	Varchar(30)	NN
Price	Number(30)	NN
Bed Type	Varchar(30)	NN

3.Employee

Field	DataType	Constraint
Name	Varchar(30)	NN
Age	Numeric(30)	NN
Gender	Varchar(30)	NN
Job	Varchar(30)	NN
Salary	Number(30)	NN
Phone	Number(30)	NN
Aadhar	Number(30)	PK
Email	Varchar(30)	NN

4.Driver

Field	DataType	Constraint
Name	Varchar(30)	NN
Age	Numeric(30)	NN
Gender	Varchar(30)	NN
Company	Varchar(30)	NN
Brand	Varchar(30)	NN
Available	Varchar(30)	NN
Location	Varchar(30)	NN

5.Login

Field	DataType	Constraint
Username	Varchar(30)	PK
Password	Varchar(30)	NN

6.Department

Field	DataType	Constraint
Department	Varchar(30)	PK

Hotel Management System (Main Page)

```
package hotel.management.system;
import java.awt.Color;
import java.awt.Font;
import javax.swing
public class HotelManagementSystem extends JFrame implements ActionListener{
    HotelManagementSystem(){
        setBounds(300,200,1366,565);
        ImageIcon i1 = new
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/first.jpg"));
        JLabel l1 = new JLabel(i1);
        l1.setBounds(0,0,1366,565);
         add(l1);
        JLabel l2 = new JLabel("Hotel Management System");
        l2.setBounds(20,430,1000,90);
        l2.setForeground(Color.WHITE);
        l2.setFont(new Font("serif", Font.PLAIN, 70));
        l1.add(l2);

  JButton b1 = new JButton("Next");
  b1.setBackground(Color.WHITE);
  b1.setForeground(Color.BLACK);
  b1.setBounds(1150, 450, 150, 50);

      b1.addActionListener(this);
      l1.add(b1); //to add button on top of the image you need to use objects
      setLayout(null); //we can place the components on the frame without any constraints
      setVisible(true);
      while(true){
          l2.setVisible(false);  //invisible
          try{
              Thread.sleep(500); //stop time
```

```
        } catch (Exception e)
        {
        }
         l2.setVisible(true);  //bring it back
       try{
        Thread.sleep(500);
          }
       catch (Exception e){}
     }
  }
   public void actionPerformed(ActionEvent ae)
   {
      new Login().setVisible(true);
      this.setVisible(false); //to close the current class i.e. main frame
      //when load class is opened
   }
   public static void main(String[] args) {
      new HotelManagementSystem();
   }

}
```

Login

```
package hotel.management.system;
import java.awt.*;
import javax.swing.*;
import java.awt.event.*;  //importing all classes of event package - it also includes actionlistener
import java.sql.*;        //resultset is inside this package
public class Login extends JFrame implements ActionListener{
    JLabel l1,l2;         //variables declared globally
    JTextField t1;
    JPasswordField t2;   //whatever you write in this field won't be visible to user
    JButton b1,b2;

    Login(){
        l1 = new JLabel("Username");  //defining label
        l1.setBounds(40,20,100,30);
        add(l1);
        l2 = new JLabel("Password");
        l2.setBounds(40,70,100,30);
        add(l2);
        t1=new JTextField();            //creating field next to username text
        t1.setBounds(150,20,150,30);
            add(t1);
        t2=new JPasswordField();        //creating field next to username text
        t2.setBounds(150,70,150,30);
        add(t2);
        b1 = new JButton("Login");  //defining button which says login
        b1.setBounds(40,140,120,30);  //setting location of button
       b1.setFont(new Font("serif",Font.BOLD,15));
        b1.setBackground(Color.BLACK);  //setting bg color for button
        b1.setForeground(Color.WHITE);   //setting color of text in button
        b1.addActionListener(this);   //adding action listener on this button
        add(b1);
```

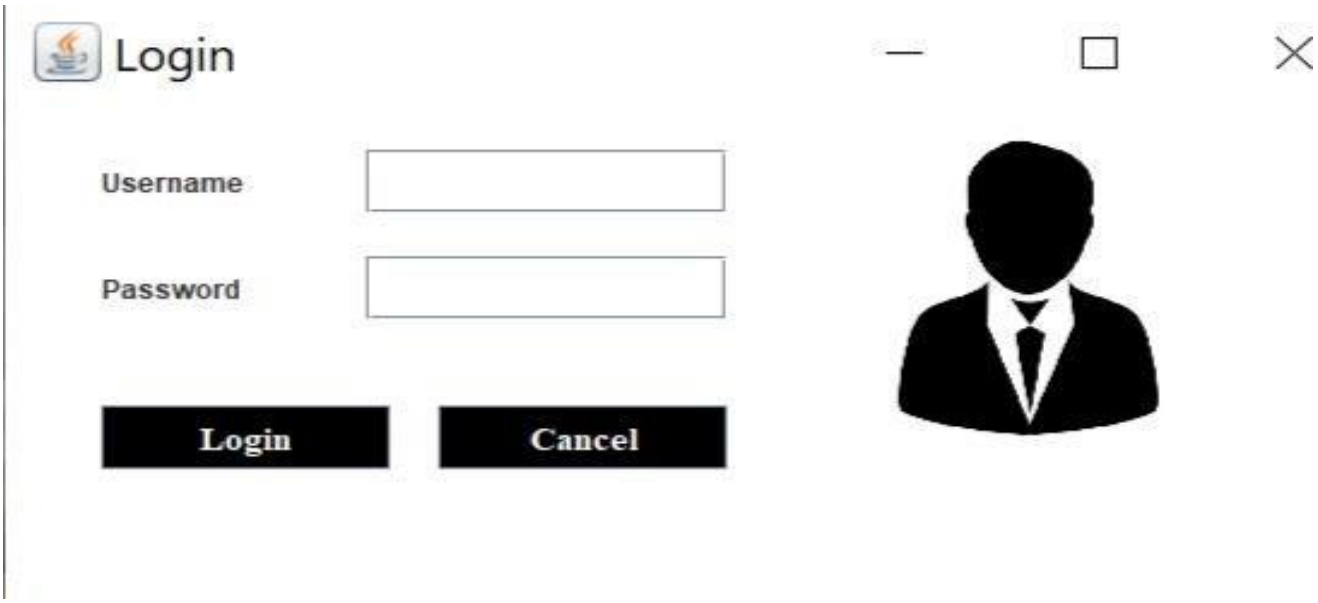
```
        b2=new JButton("Cancel");    //creating another button cancel
        b2.setBounds(180,140,120,30);
        b2.setFont(new Font("serif",Font.BOLD,15));
        b2.setBackground(Color.BLACK);
        b2.setForeground(Color.WHITE);
         b2.addActionListener(this);
        add(b2);
            ImageIcon i1 = new
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/second.jpg"));
      Image i2 = i1.getImage().getScaledInstance(200,200,Image.SCALE_DEFAULT
   scale
        ImageIcon i3 =  new ImageIcon(i2);
        JLabel l3 = new JLabel(i3);   //label  of the image
        l3.setBounds(350,10,150,150); //frame size of label
        add(l3);                      //add image on label
        getContentPane().setBackground(Color.WHITE); //to set bg color of the frame
        setLayout(null);  //we set this because by default its border layout to get the text in the center

        setVisible(true);
        setSize(600,300);     //setting size of the frame
        setLocation(600,300);
    }
    public void actionPerformed(ActionEvent ae)
    {
        if(ae.getSource()==b1)
        {
            String username = t1.getText();       //to extract data entered from user and store it in a string
            String password = t2.getText();
            conn c = new conn();
            String str = "select * from login where username='"+username+"' and
password='"+password+"' ";
            try{
            ResultSet rs = c.s.executeQuery(str);   //execute query here and stored in resultset class object
                    if(rs.next())
```

```
                {
                new Dashboard().setVisible(true);
                this.setVisible(false);
                }
                 else{
                 JOptionPane.showMessageDialog(null, "Invalid login");
                 this.setVisible(false);              //closing
                    }
             }
              catch(Exception e)
              {
              }
         }
                    else if(ae.getSource()== b2)
                    {
                    System.exit(0);
                    }
    }
    public static void main(String[] arg){   //creating main method
        new Login();
    }
}
/*
package hotel.management.system;
import javax.swing.*; //for JFRame
import java.awt.*;    //for colors
import java.awt.event.*; //for actionlistener
import java.sql.*; //for resultset
public class Login extends JFrame implements ActionListener {
    JLabel l1, l2;
    JTextField t1;
    JButton b1, b2;
    JPasswordField t2;
```

```
    Login()
    {
        l1 = new JLabel("Username");
        l1.setBounds(40,20,100,30);
        add(l1);

        l2 = new JLabel("Password");
        l2.setBounds(40,80,100,30);
        add(l2);

        t1 = new JTextField();
        t1.setBounds(150, 20, 150, 30);
        add(t1);

        t2 = new JPasswordField();
        t2.setBounds(150, 70, 150, 30);
        add(t2);
        b1 = new JButton("Login");
        b1.setBackground(Color.BLACK);
        b1.setForeground(Color.WHITE);
        b1.setBounds(40, 150, 120,30);
        b1.addActionListener(this);
        add(b1);
        b2 = new JButton("Cancel");
        b2.setBackground(Color.WHITE);
        b2.setForeground(Color.BLACK);
        b2.setBounds(180, 150, 120,30);
        b2.addActionListener(this);
        add(b2);

        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(350,10,200,200);
        add(l3);
        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setBounds(600,300,600,300);
        setVisible(true);
    }
    public void actionPerformed(ActionEvent ae)
    { if(ae.getSource() == b1)
    {
      String username =  t1.getText();
      String password =  t2.getText();
      conn c = new conn();
      String str = "select * from login where username = '"+username+"' and password =
'"+password+"'  ";
      try{
        ResultSet rs = c.s.executeQuery(str);
        if(rs.next())
        {
           new HotelManagementSystem().setVisible(true);
           this.setVisible(false);
        }
        else
        {
           JOptionPane.showMessageDialog(null, "Invalid username and password");
           this.setVisible(false);
        }
        }
      catch(Exception e)
      {
      }
    }
```

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

    public static void main(String[] args){
        new Login();
    }
}
*/
```

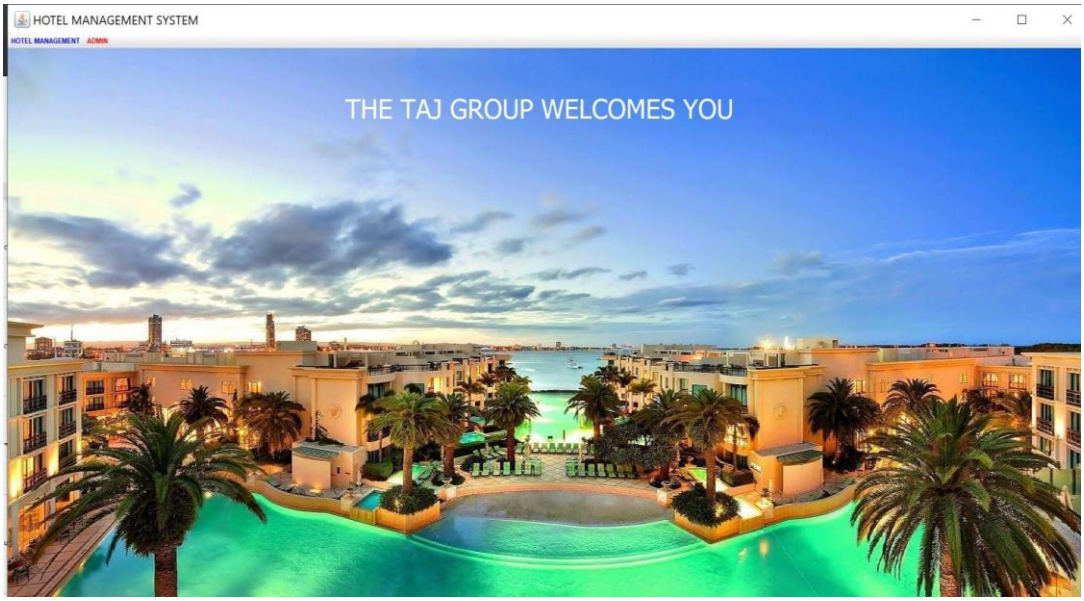


Dashboard

```
package hotel.management.system;
import javax.swing.*; //swing package for jframe
import java.awt.*; //colour
import java.awt.event.*;  //actionlistener

public class Dashboard extends JFrame implements ActionListener{
    JMenuBar mb;
    JMenu m1, m2;
    JMenuItem i1, i2, i3, i4;
    JButton b1, b2, b3, b4;
    Dashboard()
    {
        mb = new JMenuBar();
        add(mb);

        m1 = new JMenu("HOTEL MANAGEMENT");
        m1.setForeground(Color.RED);
        mb.add(m1);

        m2 = new JMenu("ADMIN");
        m2.setForeground(Color.BLUE);
        mb.add(m2);
            b1 = new JButton("RECEPTION");
        b1.addActionListener(this);
        m1.add(b1);
        b2 = new JButton("ADD EMPLOYEE");
        b2.addActionListener(this);
        m2.add(b2);
        b3 = new JButton("ADD ROOMS");
        b3.addActionListener(this);
        m2.add(b3);
```

```
        b4 = new JButton("ADD DRIVERS");
        b4.addActionListener(this);
        m2.add(b4);
        mb.setBounds(0,0,1950,30);
        ImageIcon i1 = new
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/third.jpg"));
        Image i2 = i1.getImage().getScaledInstance(1950, 1000,Image.SCALE_DEFAULT);

       JLabel NewLabel = new JLabel(i3);            //you can only place images in label
       NewLabel.setBounds(0, 0, 1950, 1000);        //setting frame size
        add(NewLabel);
        JLabel l2 = new JLabel("THE TAJ GROUP WELCOMES YOU");
        l2.setBounds(600, 80, 1000, 50);
        l2.setForeground(Color.WHITE);
        l2.setFont(new Font("Tahoma", Font.PLAIN, 46));
        NewLabel.add(l2);
        setLayout(null);
        setBounds(0,0,1950,1020);
        setVisible(true);
    }

 /*     public void actionPerformed(ActionEvent ae)
    {
        if(ae.getActionCommand().equals("RECEPTION"))
        {
            new Reception().setVisible(true);
        }
        else if(ae.getActionCommand().equals("ADD EMPLOYEE"))
        {
            new AddEmployee().setVisible(true);
        }
        else if(ae.getActionCommand().equals("ADD ROOMS"))
        {
            new AddRooms().setVisible(true);
```

```
        }
         else if(ae.getActionCommand().equals("ADD DRIVER"))
        {
            new AddDriver().setVisible(true);
        }
    }
    */
      public void actionPerformed(ActionEvent ae)
    {
        if(ae.getSource() == b1)
        {
            new Reception().setVisible(true);

        }else if(ae.getSource() == b2)
        {
            new AddEmployee().setVisible(true);
            }else if(ae.getSource() == b3)
        {
            new AddRooms().setVisible(true);
        }else if(ae.getSource() == b4)
        {
            new AddDriver().setVisible(true);
        }
    }
    public static void main(String[] args)
    {
        new Dashboard().setVisible(true);
    }
}
```


HOTEL MANAGEMENT SYSTEM
HOTEL MANAGEMENT ADMIN
THE TAJ GROUP WELCOMES YOU

Reception

```
package hotel.management.system;
import javax.swing.*;  //jframe

//import java.sql.*;
import java.awt.event.*;
import java.awt.*;
public class Reception extends JFrame implements ActionListener {

    JButton b1, b2, b3, b4, b5, b6, b7, b8, b9, b10, b11, b12;
    private JPanel contentPane;
    public Reception(){

        setBounds(530, 200, 850, 570);  //frame size
          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);
           b1 = new JButton("New Customer Form");
          /*btnNewCustomerForm.addActionListener(new ActionListener() {
                public void actionPerformed(ActionEvent e) {
                    try{
                    NewCustomer custom = new NewCustomer();
                    custom.setVisible(true);
                 setVisible(false);
                }catch(Exception e1){
```

```
                    e1.printStackTrace();
            }
            }
  });

*/
  b1.setBounds(10, 30, 200, 30);
b1.setBackground(Color.BLACK);
b1.setForeground(Color.WHITE);
b1.addActionListener(this);
  contentPane.add(b1);

  b2 = 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();
                    }
            }
  });
*/
  b2.setBounds(10, 70, 200, 30);
b2.setBackground(Color.BLACK);
b2.setForeground(Color.WHITE);
b2.addActionListener(this);
  contentPane.add(b2);

  b3 = 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();
                        }
                }
        });
        */
        b3.setBounds(10, 110, 200, 30);
        b3.setBackground(Color.BLACK);
        b3.setForeground(Color.WHITE);
        b3.addActionListener(this);
        contentPane.add(b3);
        b4 = new JButton("All Employee Info");
/*      btnNewButton_2.addActionListener(new ActionListener() {
                public void actionPerformed(ActionEvent e) {
                        try{
                                Employee em = new Employee();
                                em.setVisible(true);
                                setVisible(false);
                        }
                        catch (Exception e1){
                                e1.printStackTrace();
                        }
                }
        });
        */
        b4.setBounds(10, 150, 200, 30);
```

```
        b4.setBackground(Color.BLACK);
        b4.setForeground(Color.WHITE);
        b4.addActionListener(this);
          contentPane.add(b4);
          b5 = 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){
                                  e1.printStackTrace();
                          }
                  }
          });
        */
          b5.setBounds(10, 190, 200, 30);
        b5.setBackground(Color.BLACK);
        b5.setForeground(Color.WHITE);
        b5.addActionListener(this);
          contentPane.add(b5);

          b6 = 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();
                        }
                }
        });
   */
        b6.setBounds(10, 230, 200, 30);
        b6.setBackground(Color.BLACK);
        b6.setForeground(Color.WHITE);
        b6.addActionListener(this);
        contentPane.add(b6);
        b7 = 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();
                        }
                }
        });
        */
        b7.setBounds(10, 270, 200, 30);
        b7.setBackground(Color.BLACK);
        b7.setForeground(Color.WHITE);
        b7.addActionListener(this);
        contentPane.add(b7);
        b8 = new JButton("Update Check Status");
/*      btnNewButton_5.addActionListener(new ActionListener() {
```

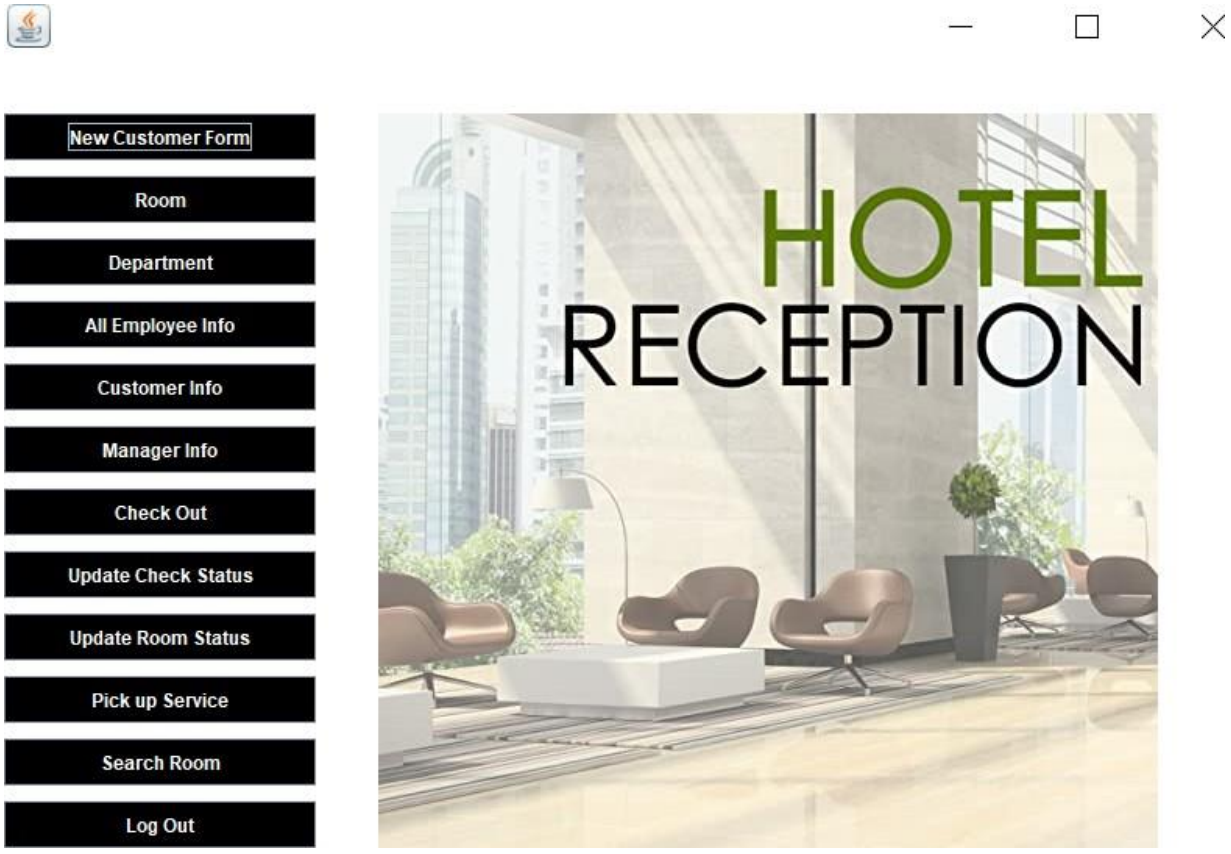
```
                public void actionPerformed(ActionEvent e) {
                        try{
                        UpdateCheck update = new UpdateCheck();
                        update.setVisible(true);
                setVisible(false);
                        }
                        catch(Exception e1){
                                e1.printStackTrace();
                        }
                }
        });
    */
        b8.setBounds(10, 310, 200, 30);
      b8.setBackground(Color.BLACK);
      b8.setForeground(Color.WHITE);
      b8.addActionListener(this);
        contentPane.add(b8);
        b9 = 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();
                        }
                }
        });
      */
        b9.setBounds(10, 350, 200, 30);
      b9.setBackground(Color.BLACK);
```

```
        b9.setForeground(Color.WHITE);
        b9.addActionListener(this);
          contentPane.add(b9);

          b10 = new JButton("Pick up Service");
          /*b10.addActionListener(new ActionListener() {
                    public void actionPerformed(ActionEvent arg0) {
                              try{
                              PickUp pick = new PickUp();
                              pick.setVisible(true);
                     setVisible(false);
                              }
                              catch(Exception e){
                                        e.printStackTrace();
                              }
                    }
          });
        */
          b10.setBounds(10, 390, 200, 30);
        b10.setBackground(Color.BLACK);
        b10.setForeground(Color.WHITE);
        b10.addActionListener(this);
          contentPane.add(b10);
          b11 = new JButton("Search Room");
/*      btnSearchRoom.addActionListener(new ActionListener() {
                    public void actionPerformed(ActionEvent e) {
                              try {
                              SearchRoom search = new SearchRoom();
                              search.setVisible(true);
                     setVisible(false);
                              }
                              catch (Exception ss){
                                        ss.printStackTrace();
```

```
                    }
                }
            });
        */
            b11.setBounds(10, 430, 200, 30);
            b11.setBackground(Color.BLACK);
            b11.setForeground(Color.WHITE);
            b11.addActionListener(this);
            contentPane.add(b11);
            b12 = 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();
                        }
                    }
            });
            */
            b12.setBounds(10, 470, 200, 30);
            b12.setBackground(Color.BLACK);
            b12.setForeground(Color.WHITE);
            b12.addActionListener(this);
            contentPane.add(b12);
            getContentPane().setBackground(Color.WHITE);  //bg color
            setVisible(true);
    }
     public void actionPerformed(ActionEvent ae)
     {
        if(ae.getSource() == b1)
```

```
{
    new AddCustomer().setVisible(true);
    this.setVisible(false);

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

}else if(ae.getSource() == b3)
{
    new Department().setVisible(true);
    this.setVisible(false);

}else if(ae.getSource() == b4)
{
    new EmployeeInfo().setVisible(true);
    this.setVisible(false);

}else if(ae.getSource() == b5)
{
    new CustomerInfo().setVisible(true);
    this.setVisible(false);

}else if(ae.getSource() == b6)
{
    new ManagerInfo().setVisible(true);
    this.setVisible(false);

}else if(ae.getSource() == b7)
{
    new CheckOut().setVisible(true);
    this.setVisible(false);
```

```
        }else if(ae.getSource() == b8)
        {
           new UpdateCheck().setVisible(true);
           this.setVisible(false);

        }else if(ae.getSource() == b9)
        {
           new UpdateRoom().setVisible(true);
           this.setVisible(false);

        }else if(ae.getSource() == b10)
        {
           new PickUp().setVisible(true);
           setVisible(false);

        }else if(ae.getSource() == b11)
        {
            new SearchRoom().setVisible(true);
           setVisible(false);
        }else if(ae.getSource() == b12)
        {   new Dashboard().setVisible(true);
           setVisible(false);
        }

      }
     public static void main(String[] args) {
              new Reception().setVisible(true);
     }
}
```


New Customer Form
Room
Department
All Employee Info
Customer Info
Manager Info
Check Out
Update Check Status
Update Room Status
Pick up Service
Search Room
Log Out
HOTEL
RECEPTION

Customer Info form

```
package hotel.management.system;
import javax.swing.*;
import java.awt.event.*;
import java.sql.*; //resultset is in this package
import java.awt.*;
import net.proteanit.sql.*;  //after importing the rs2xml jar
public class CustomerInfo extends JFrame implements ActionListener{
    JTable t1;
    JButton b1, b2;
    CustomerInfo()
    {
        t1= new JTable();
        t1.setBounds(0, 40, 1000, 500);
        add(t1);

        JLabel l1 = new JLabel("Document Type");
        l1.setBounds(10, 10, 100, 20);
        add(l1);

        JLabel l2 = new JLabel("Number");
        l2.setBounds(160, 10, 70, 20);
        add(l2);

        JLabel l3 = new JLabel("Name");
        l3.setBounds(290, 10, 70, 20);
        add(l3);

        JLabel l4 = new JLabel("Gender");
        l4.setBounds(410, 10, 70, 20);
        add(l4);
```

```
JLabel l5 = new JLabel("Country");
l5.setBounds(540, 10, 70, 20);
add(l5);

JLabel l6 = new JLabel("Room Number");
l6.setBounds(640, 10, 100, 20);
add(l6);

JLabel l7 = new JLabel("Status");
l7.setBounds(790, 10, 70, 20);
add(l7);

JLabel l8 = new JLabel("Deposit");
l8.setBounds(900, 10, 70, 20);
add(l8);

b1 = new JButton("Load Data");
b1.setBounds(350, 560, 120, 30);
b1.setBackground(Color.BLACK);
b1.setForeground(Color.WHITE);
b1.addActionListener(this);
add(b1);

b2 = new JButton("Back");
b2.setBounds(530, 560, 120, 30);
b2.setBackground(Color.BLACK);
b2.setForeground(Color.WHITE);
b2.addActionListener(this);
add(b2);

getContentPane().setBackground(Color.WHITE);
setLayout(null);
setBounds(450, 200, 1000, 650);
```

```
        setVisible(true);
    }
    public void actionPerformed(ActionEvent ae)
    {
        if(ae.getSource() == b1)
        {
            try
            {
                conn c =  new conn();
                String str = "select * from customer";
                ResultSet rs = c.s.executeQuery(str);
              t1.setModel(DbUtils.resultSetToTableModel(rs));  // to load data connected with proenit
import
            }catch (Exception e)
            {
            }
        }else if(ae.getSource() == b2)
        {
            new Reception().setVisible(true);
            this.setVisible(false);
        }
    }
    public static void main(String[] args)
    {
        new CustomerInfo().setVisible(true);
    }
}
```

NEW CUSTOMER FORM

ID : Passport

Number :

Name :

Gender : Male Female

Days :

Allocated Room Number : 101

Checked-In :

Deposit :

Add Back

Room

```
package hotel.management.system;

import javax.swing.*;
import java.awt.event.*;
import net.proteanit.sql.DbUtils;
import java.sql.*; //resultset
import java.awt.*; //image

public class Room extends JFrame implements ActionListener{
  JTable t1;
  JButton b1, b2;

  Room()
  {          ImageIcon i1  = new
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/eight.jpg"));
            Image i2 = i1.getImage().getScaledInstance(600, 600,Image.SCALE_DEFAULT);
            ImageIcon i3 = new ImageIcon(i2);
            JLabel icon = new JLabel(i3);
            icon.setBounds(500,0,600,600);
            add(icon);


     JLabel l1 = new JLabel("Room Number");
     l1.setBounds(10,10,100,20);
     add(l1);

     JLabel l2 = new JLabel("Availability");
     l2.setBounds(120, 10, 80, 20);
     add(l2);

     JLabel l3 = new JLabel("Status");
     l3.setBounds(230, 10, 80, 20);
```

```
add(l3);

JLabel l4 = new JLabel("Price");
l4.setBounds(330, 10, 80, 20);
add(l4);

JLabel l5 = new JLabel("Bed Type");
l5.setBounds(400, 10, 100, 20);
add(l5);

t1= new JTable();
t1.setBounds(0,40,500,400);
add(t1);

b1 = new JButton("Load Data");
b1.setBounds(100,460,120,30);
b1.setBackground(Color.BLACK);
b1.setForeground(Color.WHITE);
b1.addActionListener(this);
add(b1);

b2 = new JButton("Back");
b2.setBounds(250,460,120,30);
b2.setBackground(Color.BLACK);
b2.setForeground(Color.WHITE);
b2.addActionListener(this);
add(b2);

getContentPane().setBackground(Color.WHITE);

setLayout(null);
setBounds(450,200,1050,600);
setVisible(true);
```

```
    }
    public void actionPerformed(ActionEvent ae)
    {
        if(ae.getSource()== b1)
        {
            try{
                conn c = new conn();
                String str = "select * from room";

                ResultSet rs = c.s.executeQuery(str);
                t1.setModel(DbUtils.resultSetToTableModel(rs));

            }catch(Exception e)
            {

            }
        }

        else if(ae.getSource()== b2)
        {
            new Reception().setVisible(true);
            this.setVisible(false);
        }
    }
    public static void main(String[] args)
    {
        new Room().setVisible(true);
    }

}
```

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

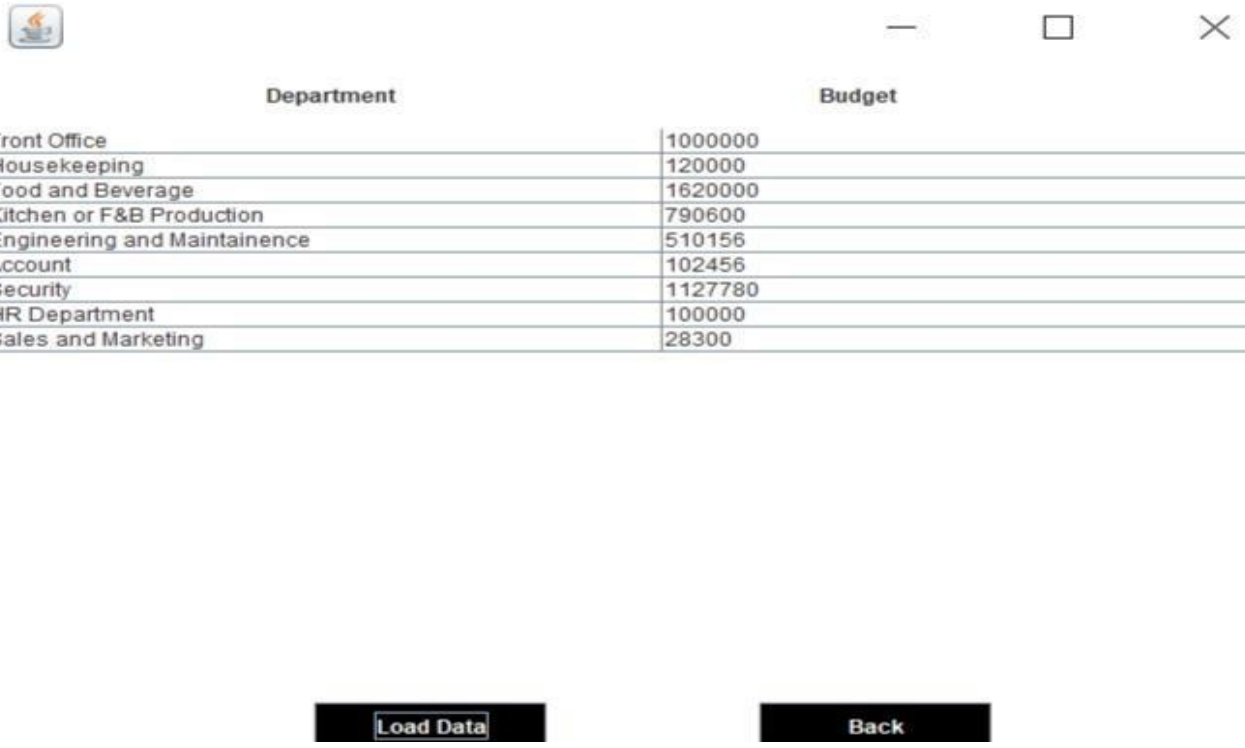
Back

Department

```
package hotel.management.system;
import java.awt.Font;
import java.awt.Color;
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import net.proteanit.sql.DbUtils;
import java.sql.*;

public class Department extends JFrame implements ActionListener {
    JButton b1, b2;
    JTable t1;
    Choice c1;
    Department()
    {
        t1 = new JTable();
        t1.setBounds(0, 50, 700, 350);
      add(t1);
        b1 = new JButton("Load Data");
        b1.setBackground(Color.BLACK);
        b1.setForeground(Color.WHITE);
        b1.setBounds(180, 400, 120, 30);
        b1.addActionListener(this);
        add(b1);

        b2 = new JButton("Back");
        b2.setBackground(Color.BLACK);
        b2.setForeground(Color.WHITE);
        b2.setBounds(380, 400, 120, 30);
        b2.addActionListener(this);
        add(b2);
```

```
            JLabel l3 = new JLabel("Department");
            l3.setBounds(180, 10, 100, 20);
            add(l3);
            JLabel l4 = new JLabel("Budget");
            l4.setBounds(390, 10, 100, 20);
            add(l4);
    getContentPane().setBackground(Color.WHITE);
    setLayout(null);
    setBounds(500, 200, 700, 500);
    setVisible(true);
}
public void actionPerformed(ActionEvent ae)
{
    if(ae.getSource()== b1)
    {
        try{
            String str = "select * from department";
            conn c = new conn();
            ResultSet rs = c.s.executeQuery(str);
            t1.setModel(DbUtils.resultSetToTableModel(rs));
           }catch(Exception e)
        {
        }
    }else if(ae.getSource()==b2)
    {
        new Reception().setVisible(true);
        this.setVisible(false);
    }
}
public static void main(String[] args)
{
    new Department().setVisible(true);
}
```

}



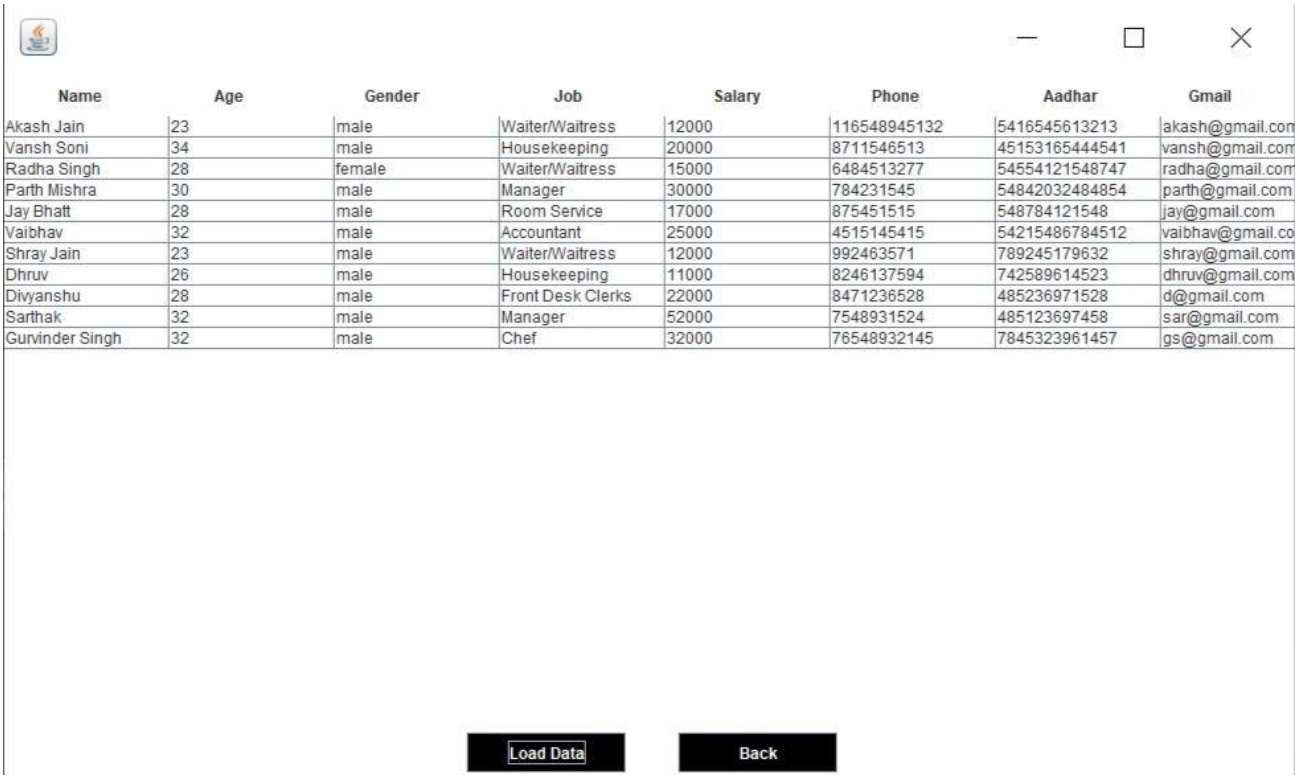
Department	Budget
Front Office	1000000
Housekeeping	120000
Food and Beverage	1620000
Kitchen or F&B Production	790600
Engineering and Maintainence	510156
Account	102456
Security	1127780
HR Department	100000
Sales and Marketing	28300

Employee

```
package hotel.management.system;
import javax.swing.*;
import java.awt.event.*;
import java.sql.*; //resultset is in this package
import java.awt.*;
import net.proteanit.sql.*;  //after importing the rs2xml jar

public class EmployeeInfo extends JFrame implements ActionListener{

    JTable t1;
    JButton b1, b2;

    EmployeeInfo()
    {
        t1= new JTable();
        t1.setBounds(0, 40, 1000, 500);
        add(t1);

        JLabel l1 = new JLabel("Name");
        l1.setBounds(40, 10, 70, 20);
        add(l1);

            JLabel l2 = new JLabel("Age");
        l2.setBounds(170, 10, 70, 20);
        add(l2);

        JLabel l3 = new JLabel("Gender");
        l3.setBounds(290, 10, 70, 20);
        add(l3);

        JLabel l4 = new JLabel("Department");
```

```
l4.setBounds(400, 10, 70, 20);
add(l4);

JLabel l5 = new JLabel("Salary");
l5.setBounds(540, 10, 70, 20);
add(l5);

JLabel l6 = new JLabel("Phone");
l6.setBounds(670, 10, 70, 20);
add(l6);

JLabel l7 = new JLabel("Adhaar");
l7.setBounds(790, 10, 70, 20);
add(l7);

JLabel l8 = new JLabel("Email");
l8.setBounds(910, 10, 70, 20);
add(l8);

b1 = new JButton("Load Data");
b1.setBounds(350, 560, 120, 30);
b1.setBackground(Color.BLACK);
b1.setForeground(Color.WHITE);
b1.addActionListener(this);
add(b1);

b2 = new JButton("Back");
b2.setBounds(530, 560, 120, 30);
b2.setBackground(Color.BLACK);
b2.setForeground(Color.WHITE);
b2.addActionListener(this);
add(b2);
getContentPane().setBackground(Color.WHITE);
```

```
        setLayout(null);
        setBounds(450, 200, 1000, 650);
        setVisible(true);
    }
    public void actionPerformed(ActionEvent ae)
    {
        if(ae.getSource() == b1)
        {
            try
            {
                conn c =  new conn();
                String str = "select * from employee";
                ResultSet rs = c.s.executeQuery(str);
              t1.setModel(DbUtils.resultSetToTableModel(rs));  // to load data connected with proenit
import
            }catch (Exception e)
            {
            }
        }else if(ae.getSource() == b2)
        {
            new Reception().setVisible(true);
            this.setVisible(false);
        }
    }
    public static void main(String[] args)
    {
        new EmployeeInfo().setVisible(true);
    }
}
```



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

Manager Info

```
package hotel.management.system;
import javax.swing.*;
import java.awt.event.*;
import java.sql.*; //resultset is in this package
import java.awt.*;
import net.proteanit.sql.*;  //after importing the rs2xml jar
public class ManagerInfo extends JFrame implements ActionListener{
    JTable t1;
    JButton b1, b2;
    ManagerInfo()
    {
        t1= new JTable();
        t1.setBounds(0, 40, 1000, 500);
        add(t1);

        JLabel l1 = new JLabel("Name");
        l1.setBounds(40, 10, 70, 20);
        add(l1);

        JLabel l2 = new JLabel("Age");
        l2.setBounds(170, 10, 70, 20);
        add(l2);

        JLabel l3 = new JLabel("Gender");
        l3.setBounds(290, 10, 70, 20);
        add(l3);

        JLabel l4 = new JLabel("Department");
        l4.setBounds(400, 10, 70, 20);
        add(l4);
        JLabel l5 = new JLabel("Salary");
        l5.setBounds(540, 10, 70, 20);
```

```
    add(l5);

    JLabel l6 = new JLabel("Phone");
    l6.setBounds(670, 10, 70, 20);
    add(l6);

    JLabel l7 = new JLabel("Adhaar");
    l7.setBounds(790, 10, 70, 20);
    add(l7);

    JLabel l8 = new JLabel("Email");
    l8.setBounds(910, 10, 70, 20);
    add(l8);

    b1 = new JButton("Load Data");
        b1.setBounds(350, 560, 120, 30);
    b1.setBackground(Color.BLACK);
    b1.setForeground(Color.WHITE);
    b1.addActionListener(this);
    add(b1);

    b2 = new JButton("Back");
    b2.setBounds(530, 560, 120, 30);
    b2.setBackground(Color.BLACK);
    b2.setForeground(Color.WHITE);
    b2.addActionListener(this);
    add(b2);
    getContentPane().setBackground(Color.WHITE);

    setLayout(null);
    setBounds(450, 200, 1000, 650);
    setVisible(true);
}
public void actionPerformed(ActionEvent ae)
{
```

```
        if(ae.getSource() == b1)
        {
           try
           {
              conn c =  new conn();
              String str = "select * from employee where job = 'Manager'";
              ResultSet rs = c.s.executeQuery(str);
             t1.setModel(DbUtils.resultSetToTableModel(rs));  // to load data connected with proenit
import
           }catch (Exception e)
           {
           }
        }else if(ae.getSource() == b2)
        {
           new Reception().setVisible(true);
           this.setVisible(false);
        }
    }
    public static void main(String[] args)
    {
        new ManagerInfo().setVisible(true);
    }
}
```


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

Check Out

```
package hotel.management.system;
import java.awt.Font;
import javax.swing.*;
import java.awt.*;
import java.sql.*;
import java.awt.event.*;
import java.sql.*;
public class CheckOut extends JFrame implements ActionListener {
    Choice c1;
    JTextField t1,t2, t3;
    JButton b1, b2, b3;
    CheckOut()
    {
        JLabel l1 = new JLabel("Check Out");
        l1.setBounds(100, 20, 100, 30);
        l1.setFont(new Font("Tahoma", Font.PLAIN, 20));
        l1.setForeground(Color.BLUE);
        add(l1);

        JLabel l2 = new JLabel("Customer Id");
        l2.setBounds(30, 80, 100, 30);
        add(l2);
          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(150, 80, 150, 30);
        add(c1);
        JLabel l3 = new JLabel("Room Number");
        l3.setBounds(30, 130, 100, 30);
        add(l3);

        t1 = new JTextField();
        t1.setBounds(150, 130, 150, 30);
        add(t1);

        b1 = new JButton("CheckOut");
        b1.setBackground(Color.BLACK);
        b1.setForeground(Color.WHITE);
        b1.setBounds(30, 200, 120, 30);
        b1.addActionListener(this);
        add(b1);

        b2 = new JButton("Back");
        b2.setBackground(Color.BLACK);
        b2.setForeground(Color.WHITE);
        b2.setBounds(170, 200, 120, 30);
        b2.addActionListener(this);
        add(b2);

        getContentPane().setBackground(Color.WHITE);
            ImageIcon i1  = new
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/tick.png"));
            Image i3 = i1.getImage().getScaledInstance(20, 20,Image.SCALE_DEFAULT);
            ImageIcon i2 = new ImageIcon(i3);
            b3 = new JButton(i2);
            b3.setBounds(310, 80, 20, 20);
            b3.addActionListener(this);
            add(b3);
```

```
            ImageIcon i4  = new
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/sixth.jpg"));
            Image i5 = i4.getImage().getScaledInstance(450, 250,Image.SCALE_DEFAULT);
            ImageIcon i6 = new ImageIcon(i5);
            JLabel l4 = new JLabel(i6);
            l4.setBounds(350, 0, 400, 250);
            add(l4);
        setLayout(null);
        setBounds(500, 200, 800, 300);
        setVisible(true);
    }
    public void actionPerformed(ActionEvent ae){
        if(ae.getSource()== b1)
        {
            String id = c1.getSelectedItem();
            String room = t1.getText();
            String str = "delete from customer where number = '"+id+"' ";
            String str2 = "update room set available = 'Available' where room_number = '"+room+"' ";
            conn c = new conn();
            try{
                c.s.executeUpdate(str);
                c.s.executeUpdate(str2);
               //JOptionPane().showMessageDialog(null, "Checkout done");
                JOptionPane.showMessageDialog(null, "Checkout done");
                new Reception().setVisible(true);
                this.setVisible(false);
            }catch(Exception e)
            {
            }
        }else if (ae.getSource()== b2)
        {
            new Reception().setVisible(true);
      this.setVisible(false);
}else if(ae.getSource()== b3)
        {   conn c = new conn();
```

```
            String id =  c1.getSelectedItem();
            try{
            ResultSet rs = c.s.executeQuery("select * from customer where number = '"+id+"' ");
            while(rs.next())
            {
               t1.setText(rs.getString("room"));
            }
            }catch(Exception e)
            {
            }
         }
      }
      public static void main(String[] args)
      {
         new CheckOut().setVisible(true);
      }
}
```

Update Check Status

```
package hotel.management.system;
import java.awt.Color;
import javax.swing.*;
import java.awt.Font;
import java.awt.*;
import java.sql.*;
import java.awt.event.*;
public class UpdateCheck extends JFrame implements ActionListener{
    Choice c1; //in awt
    JTextField t1, t2, t3, t4, t5;
    JButton b1, b2, b3;
    UpdateCheck(){

        JLabel l1= new JLabel("Check In Details");
        l1.setFont(new Font("Tahoma", Font.PLAIN, 20));
        l1.setForeground(Color.BLUE);
        l1.setBounds(90, 20, 200, 30);
        add(l1);

        JLabel l2= new JLabel("Customer ID");
        l2.setBounds(30, 80, 100, 20);
        add(l2);

         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(200, 80, 150, 25);
add(c1);
JLabel l3= new JLabel("Room Number");
l3.setBounds(30, 120, 120, 20);
add(l3);
t1 = new JTextField();
t1.setBounds(200, 120, 150, 25);
add(t1);
JLabel l4= new JLabel("Name");
l4.setBounds(30, 160, 120, 20);
add(l4);

t2 = new JTextField();
t2.setBounds(200, 160, 150, 25);
add(t2);

JLabel l5= new JLabel("Check-In");
l5.setBounds(30, 200, 100, 20);
add(l5);

t3 = new JTextField();
t3.setBounds(200, 200, 150, 20);
add(t3);

JLabel l6= new JLabel("Amount Paid ");
l6.setBounds(30, 240, 100, 20);
add(l6);
t4 = new JTextField();
t4.setBounds(200, 240, 150, 25);
add(t4);
```

```
        JLabel l7= new JLabel("Pending Amount ");
        l7.setBounds(30, 280, 100, 20);
        add(l7);

        t5 = new JTextField();
        t5.setBounds(200, 280, 150, 25);
        add(t5);

        b1 = new JButton("Check");
        b1.setBackground(Color.BLACK);
        b1.setForeground(Color.WHITE);
        b1.setBounds(30, 340, 100, 30);
        b1.addActionListener(this);
        add(b1);

        b2 = new JButton("Update");
        b2.setBackground(Color.BLACK);
        b2.setForeground(Color.WHITE);
        b2.setBounds(150, 340, 100, 30);
        b2.addActionListener(this);
        add(b2);

        b3 = new JButton("Back");
        b3.setBackground(Color.BLACK);
        b3.setForeground(Color.WHITE);
        b3.setBounds(270, 340, 100, 30);
        b3.addActionListener(this);
        add(b3);
            ImageIcon i1  = new
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/seventh.jpg"));
             Image i3 = i1.getImage().getScaledInstance(500, 300,Image.SCALE_DEFAULT);
             ImageIcon i2 = new ImageIcon(i3);
             JLabel l11 = new JLabel(i2);
```

```
            l11.setBounds(400,10,500,400);
            add(l11);
        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setBounds(500, 200, 1000, 500);
        setVisible(true);
    }
public void actionPerformed(ActionEvent ae){
    if(ae.getSource() == b1)
    {  // String room = null;
      // String s1 = c1.getSelectedItem();
        String room = null;
        String deposit = null;
        int amountpaid;
        String price = null;
        String id = c1.getSelectedItem();
        conn c = new conn();
        try{
          ResultSet rs = c.s.executeQuery("select * from customer where number = '"+id+"' ");
          while(rs.next())
          {
             t1.setText(rs.getString("room"));
             t2.setText(rs.getString("name"));
             t3.setText(rs.getString("status"));
             t4.setText(rs.getString("deposit"));
             room= rs.getString("room");
             deposit= rs.getString("deposit");
          }
         ResultSet rs2 = c.s.executeQuery("select * from room where room_number = '"+room+"' ");
          while(rs2.next())
          {
             price = rs2.getString("price");
             amountpaid =Integer.parseInt(price) - Integer.parseInt(deposit);
```

```
            t5.setText(Integer.toString(amountpaid));
          }
          }
        catch(Exception e)
        {
          System.out.println(e);
        }
    }else if(ae.getSource() == b2)
    {
        try{
          conn c = new conn();
          String room = t1.getText();
          String available = t2.getText();
          String status = t3.getText();
          String str= "update room set available = '"+available+"' , status = '"+status+"' where
room_number = '"+room+"' ";
          c.s.executeUpdate(str);
          JOptionPane.showMessageDialog(null, "Room Updated Succesfully");
          new Reception().setVisible(true);
          this.setVisible(false);
        }catch(Exception e)
        {
        }
    }else if(ae.getSource() == b3)
    {
        new Reception().setVisible(true);
        this.setVisible(false);
    }
}
public static void main(String[] args){
new UpdateCheck().setVisible(true);
}
}
```

Check-In Details

ID: India

Room Number :

Name :

Checked-in :

Amount Paid (Rs) :

Pending Amount (Rs) :

Check Update Back

Update room Status

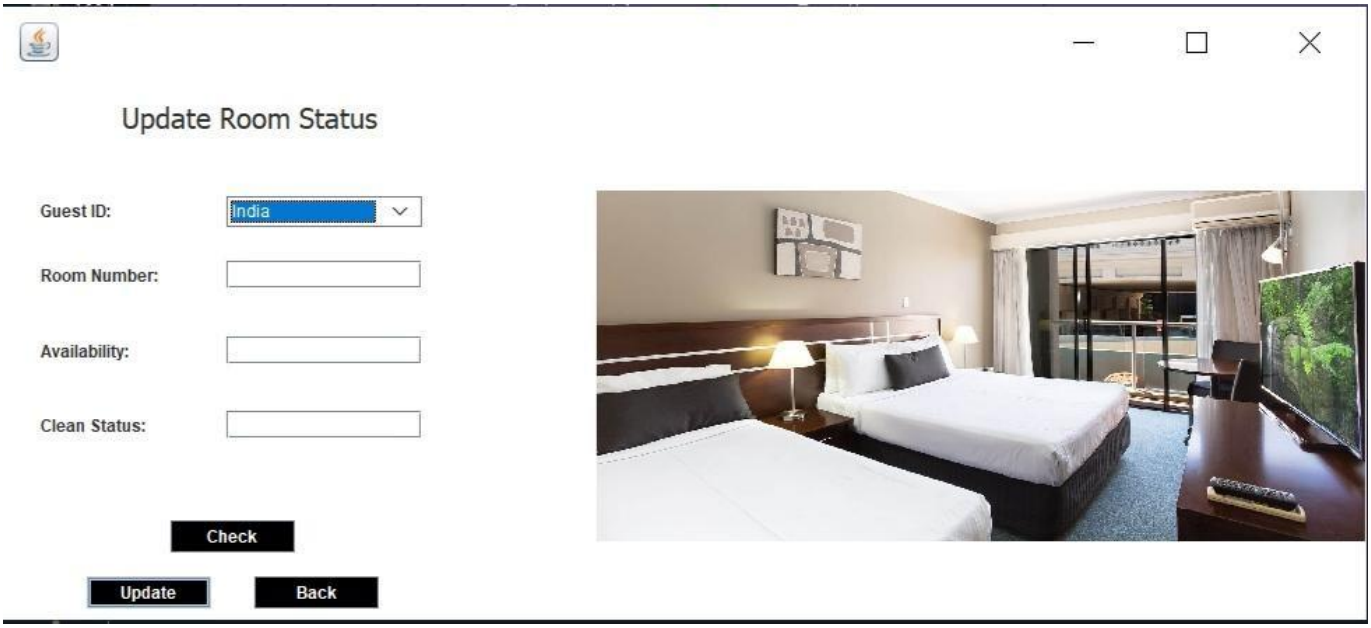
```
package hotel.management.system;
import java.awt.Color;
import javax.swing.*;
import java.awt.Font;
import java.awt.*;
import java.sql.*;
import java.awt.event.*;
public class UpdateRoom extends JFrame implements ActionListener{

    Choice c1; //in awt
    JTextField t1, t2, t3;
    JButton b1, b2, b3;
    UpdateRoom(){
        JLabel l1= new JLabel("Update Room Status");
        l1.setFont(new Font("Tahoma", Font.PLAIN, 20));
        l1.setForeground(Color.BLUE);
        l1.setBounds(30, 20, 250, 30);
        add(l1);

        JLabel l2= new JLabel("Guest ID");
        l2.setBounds(30, 80, 120, 20);
        add(l2);

        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(200, 80,150, 25);
add(c1);
JLabel l3= new JLabel("Room Number");
l3.setBounds(30, 130, 120, 20);
add(l3);

t1 = new JTextField();
t1.setBounds(200, 130, 150, 25);
add(t1);

JLabel l4= new JLabel("Availability");
l4.setBounds(30, 180, 120, 20);
add(l4);
t2 = new JTextField();
t2.setBounds(200, 180, 150, 25);
add(t2);

JLabel l5= new JLabel("Clean Status");
l5.setBounds(30, 230, 120, 20);
add(l5);

t3 = new JTextField();
t3.setBounds(200, 230, 150, 25);
add(t3);

b1 = new JButton("Check");
b1.setBackground(Color.BLACK);
b1.setForeground(Color.WHITE);
b1.setBounds(130, 300, 130, 30);
b1.addActionListener(this);
```

```
        add(b1);

        b2 = new JButton("Update");
        b2.setBackground(Color.BLACK);
        b2.setForeground(Color.WHITE);
        b2.setBounds(40, 350, 130, 30);
        b2.addActionListener(this);
        add(b2);

        b3 = new JButton("Back");
        b3.setBackground(Color.BLACK);
        b3.setForeground(Color.WHITE);
        b3.setBounds(220, 350, 130, 30);
        b3.addActionListener(this);
        add(b3);

              ImageIcon i1  = new
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/seventh.jpg"));
               Image i3 = i1.getImage().getScaledInstance(500, 300,Image.SCALE_DEFAULT);
               ImageIcon i2 = new ImageIcon(i3);
               JLabel l11 = new JLabel(i2);
               l11.setBounds(400,10,500,400);
               add(l11);

        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setBounds(500, 200, 980, 450);
        setVisible(true);
    }
public void actionPerformed(ActionEvent ae){
    if(ae.getSource() == b1)
    {   String room = null;
        String s1 = c1.getSelectedItem();
        conn c = new conn();
```

```
        try{
          ResultSet rs = c.s.executeQuery("select * from customer where number = '"+s1+"' ");
          while(rs.next())
          {
             t1.setText(rs.getString("room"));
             room = rs.getString("room");
          }
          ResultSet rs2 = c.s.executeQuery("select * from room where room_number = '"+room+"' ");
           while(rs2.next())
          {
             t2.setText(rs2.getString("available"));
             t3.setText(rs2.getString("status"));
          }
          }
        catch(Exception e)
        {
           System.out.println(e);
        }
    }else if(ae.getSource() == b2)
    {
        try{
           conn c = new conn();
           String room = t1.getText();
           String available = t2.getText();
           String status = t3.getText();
           String str= "update room set available = '"+available+"' , status = '"+status+"' where
room_number = '"+room+"' ";
           c.s.executeUpdate(str);
           JOptionPane.showMessageDialog(null, "Room Updated Succesfully");
           new Reception().setVisible(true);
           this.setVisible(false);
        }catch(Exception e)
        {
        }
```

```
    }else if(ae.getSource() == b3)
    {
        new Reception().setVisible(true);
        this.setVisible(false);
    }
}
public static void main(String[] args){
new UpdateRoom().setVisible(true);
}
}
```



Pick up Status

```
package hotel.management.system;
import java.awt.Font;
import java.awt.Color;
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import net.proteanit.sql.DbUtils;
import java.sql.*;

public class PickUp extends JFrame implements ActionListener {
    JButton b1, b2;
    JTable t1;
    Choice c1;
    PickUp()
    {
        JLabel l1 = new JLabel("PickUp Service");
        l1.setFont(new Font("Tahoma", Font.PLAIN, 20));
        l1.setBounds(400, 30, 200, 30);
        add(l1);

        JLabel l2 = new JLabel("Type of Car");
        l2.setBackground(Color.WHITE);
        l2.setBounds(50, 100, 100, 20);
        add(l2);
        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(150, 100, 200, 25);
  add(c1);
  t1 = new JTable();
  t1.setBounds(0, 200, 1000, 300);
 add(t1);

  b1 = new JButton("Check");
  b1.setBackground(Color.BLACK);
  b1.setForeground(Color.WHITE);
  b1.setBounds(300, 520, 120, 30);
  b1.addActionListener(this);
  add(b1);

  b2 = new JButton("Back");
  b2.setBackground(Color.BLACK);
  b2.setForeground(Color.WHITE);
  b2.setBounds(500, 520, 120, 30);
  b2.addActionListener(this);
  add(b2);

        JLabel l3 = new JLabel("Name");
        l3.setBounds(30, 160, 100, 20);
        add(l3);

        JLabel l4 = new JLabel("Age");
        l4.setBounds(200, 160, 100, 20);
        add(l4);

        JLabel l5 = new JLabel("Gender");
```

```
            l5.setBounds(330, 160, 100, 20);
            add(l5);
            JLabel l6 = new JLabel("Company");
            l6.setBounds(460, 160, 100, 20);
            add(l6);

           JLabel l7 = new JLabel("Brand");
            l7.setBounds(600, 160, 100, 20);
            add(l7);

            JLabel l8 = new JLabel("Availability");
            l8.setBounds(750, 160, 100, 20);
            add(l8);

           JLabel l9 = new JLabel("Location");
            l9.setBounds(900, 160, 100, 20);
            add(l9);

    getContentPane().setBackground(Color.WHITE);
    setLayout(null);
    setBounds(530, 300, 1000, 650);
    setVisible(true);
}
public void actionPerformed(ActionEvent ae)
{
    if(ae.getSource()== b1)
    {
        try{
            String str = "select * from driver where brand = '"+c1.getSelectedItem()+"' ";
            conn c = new conn();
            ResultSet rs = c.s.executeQuery(str);
            t1.setModel(DbUtils.resultSetToTableModel(rs));
           }catch(Exception e)
```

```
        {
        }
    }else if(ae.getSource()==b2)
    {
        new Reception().setVisible(true);
        this.setVisible(false);
    }
  }
  public static void main(String[] args)
  {
    new PickUp().setVisible(true);
  }
}
```

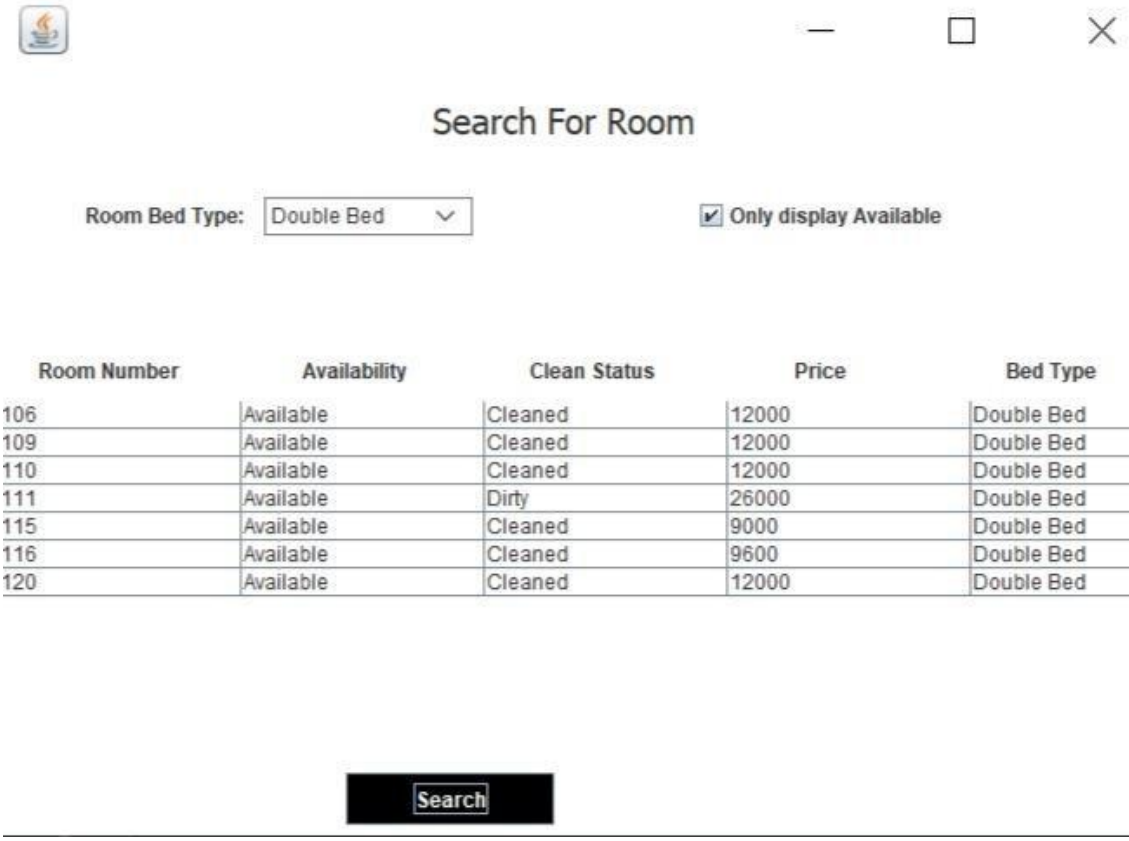
Search room

```
package hotel.management.system;
import java.awt.Font;
import java.awt.Color;
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import net.proteanit.sql.DbUtils;
import java.sql.*;
public class SearchRoom extends JFrame implements ActionListener {
    JComboBox c1;
    JCheckBox c2;
    JButton b1, b2;
    JTable t1;
    SearchRoom()
    {
        JLabel l1 = new JLabel("Search for room");
        l1.setFont(new Font("Tahoma", Font.PLAIN, 20));
        l1.setBounds(400, 30, 200, 30);
        add(l1);

        JLabel l2 = new JLabel("Room Bed Type");
        l2.setBackground(Color.WHITE);
        l2.setBounds(50, 100, 100, 20);
        add(l2);

        c1= new JComboBox(new String[]{"Single bed", "Double bed"});
        c1.setBounds(150, 100, 150, 25);
        c1.setBackground(Color.WHITE);
        add(c1);
        c2 = new JCheckBox("Only Display Available");
```

```
 c2.setBounds(650, 100, 150, 25);
 add(c2);

 t1 = new JTable();
 t1.setBounds(0, 200, 1000, 300);
add(t1);

 b1 = new JButton("Check");
 b1.setBackground(Color.BLACK);
 b1.setForeground(Color.WHITE);
 b1.setBounds(300, 520, 120, 30);
 b1.addActionListener(this);
 add(b1);
 b2 = new JButton("Back");
 b2.setBackground(Color.BLACK);
 b2.setForeground(Color.WHITE);
 b2.setBounds(500, 520, 120, 30);
 b2.addActionListener(this);
 add(b2);
        JLabel l3 = new JLabel("Room Number");
        l3.setBounds(50, 160, 100, 20);
        add(l3);

        JLabel l4 = new JLabel("Availability");
        l4.setBounds(270, 160, 100, 20);
        add(l4);

        JLabel l5 = new JLabel("Cleaning Status");
        l5.setBounds(450, 160, 100, 20);
        add(l5);

        JLabel l6 = new JLabel("Price");
        l6.setBounds(670, 160, 100, 20);
```

```
            add(l6);

            JLabel l7 = new JLabel("Bed Type");
              l7.setBounds(870, 160, 100, 20);
              add(l7);
        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setBounds(530, 300, 1000, 650);
        setVisible(true);
    }
    public void actionPerformed(ActionEvent ae)
    {
        if(ae.getSource()== b1)
        {
            try{
                String str = "select * from room where bedtype = '"+c1.getSelectedItem()+"' ";
                String str2 =  "select * from room where available = 'Available' AND bedtype =
'"+c1.getSelectedItem()+"' ";
                conn c = new conn();
                ResultSet rs = c.s.executeQuery(str);
                t1.setModel(DbUtils.resultSetToTableModel(rs));
                if(c2.isSelected())
                {
                    ResultSet rs2 = c.s.executeQuery(str2);
                    t1.setModel(DbUtils.resultSetToTableModel(rs2));
                }
               }catch(Exception e)
            {
            }
        }else if(ae.getSource()==b2)
        {
            new Reception().setVisible(true);
            this.setVisible(false);
        }
```

```
    }
    public static void main(String[] args)
    {
        new SearchRoom().setVisible(true);
    }
}
```



Add Room

```
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 AddRooms 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 AddRooms() {          //creating frame
        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);
              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");
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");         //add room button
b1.addActionListener(this);
b1.setBounds(64, 321, 111, 33);
 b1.setBackground(Color.BLACK);
 b1.setForeground(Color.WHITE);
contentPane.add(b1);

b2 = new JButton("Back");        // cancel room
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){
                String room = t4.getText();
                String available = (String)comboBox.getSelectedItem();
                String status = (String)comboBox_2.getSelectedItem();
                String price  = t2.getText();
                String bedtype = (String)comboBox_3.getSelectedItem();
                conn c = new conn();
                try
                {
                String str = "insert into room values( '"+room+"', '"+available+"', '"+status+"','"+price+"',
'"+bedtype+"')";
                  c.s.executeUpdate(str);
                  JOptionPane.showMessageDialog(null, "Room Successfully Added");
                this.setVisible(false);
                }catch(Exception ee){
                   System.out.println(ee);
                }
            }
            else if(ae.getSource() == b2){   //cancel button
                this.setVisible(false);
            }
        }catch(Exception eee){
        }
    }
     public static void main(String[] args) {   //showing frame
        new AddRooms().setVisible(true);
    }
}
```

Add Rooms

Room Number

Availability Available

Cleaning Sta... Cleaned

Price

Bed Type Single Bed

Add Back

Add Employee

```
package hotel.management.system;
import java.awt.*;       //fonts
import javax.swing.*;    //jframe
import java.awt.event.*;
public class AddEmployee extends JFrame implements ActionListener{
    JTextField t1, t2, t4, t5, t6, t7;
    JRadioButton r1, r2;
    JComboBox c1;
    JButton b1;

    AddEmployee(){
        JLabel name= new JLabel("NAME");
        name.setFont(new Font("Tahoma", Font.PLAIN, 17));
        name.setBounds(60,30,150,27);
        add(name);
        t1 = new JTextField();
        t1.setBounds(200,30,150,30);
        add(t1);

            JLabel Pnrno = new JLabel("AGE");
            Pnrno.setFont(new Font("Tahoma", Font.PLAIN, 17));
            Pnrno.setBounds(60, 80, 150, 27);
            add(Pnrno);

            t2 = new JTextField();
            t2.setBounds(200, 80, 150, 27);
            add(t2);

            JLabel Gender = new JLabel("GENDER");
            Gender.setFont(new Font("Tahoma", Font.PLAIN, 17));
            Gender.setBounds(60, 120, 150, 27);
```

```
        add(Gender);

        r1 = new JRadioButton("MALE");
        r1.setFont(new Font("Tahoma", Font.PLAIN, 12));
        r1.setBackground(Color.WHITE);
        r1.setBounds(200, 120, 70, 27);
        add(r1);

        r2 = new JRadioButton("FEMALE");
        r2.setFont(new Font("Tahoma", Font.PLAIN, 12));
        r2.setBackground(Color.WHITE);
        r2.setBounds(280, 120, 70, 27);
        add(r2);

        JLabel job = new JLabel("JOB");
        job.setFont(new Font("Tahoma", Font.PLAIN, 17));
        job.setBounds(60, 170, 150, 27);
        add(job);

        String str[] = {"Front Desk Clerks","Porters","Housekeeping","Kitchen Staff","Room
Service","Waiter/Waitress","Manager","Accountant","Chef" };
        c1 = new JComboBox(str);  //string is passed in the form of arrays
        c1.setBounds(200,170,150,30);
        add(c1);

        JLabel salary = new JLabel("SALARY");
        salary.setFont(new Font("Tahoma", Font.PLAIN, 17));
        salary.setBounds(60, 220, 150, 27);
        add(salary);

        t4 = new JTextField();
        t4.setBounds(200, 220, 150, 27);
        add(t4);
        JLabel phone = new JLabel("PHONE");
```

```
        phone.setFont(new Font("Tahoma", Font.PLAIN, 17));
        phone.setBounds(60, 270, 150, 27);
        add(phone);

        t5 = new JTextField();
        t5.setBounds(200, 270, 150, 27);
        add(t5);

        JLabel adhar = new JLabel("AADHAR");
        adhar.setFont(new Font("Tahoma", Font.PLAIN, 17));
        adhar.setBounds(60, 320, 150, 27);
        add(adhar);

        t6 = new JTextField();
        t6.setBounds(200, 320, 150, 27);
        add(t6);

        JLabel email = new JLabel("EMAIL");
        email.setFont(new Font("Tahoma", Font.PLAIN, 17));
        email.setBounds(60, 370, 150, 27);
        add(email);

        t7 = new JTextField();
        t7.setBounds(200, 370, 150, 27);
        add(t7);

        b1= new JButton("Submit");
        b1.setBounds(200, 430, 150, 30);
        b1.setBackground(Color.BLACK);
        b1.setForeground(Color.WHITE);
        b1.addActionListener(this);
        add(b1);
        ImageIcon i1 = new
ImageIcon(ClassLoader.getSystemResource("hotel/management/system/icons/tenth.jpg"));
```

```
        Image i3 = i1.getImage().getScaledInstance(500, 500,Image.SCALE_DEFAULT); //fixing image size
        ImageIcon i2 = new ImageIcon(i3);  //placing it back in image icon
        JLabel image = new JLabel(i2);   //placing image on label
        image.setBounds(380,60,450,450);
        add(image);
        JLabel l2 = new JLabel("ADD EMPLOYEE DETAILS");
        l2.setForeground(Color.BLUE);
        l2.setFont(new Font("Tahoma", Font.PLAIN, 31));
        l2.setBounds(450, 30, 442, 30);
        add(l2);
        getContentPane().setBackground(Color.WHITE);
      setLayout(null);
      setBounds(540,200,850,540);
      setVisible(true);
    }
                  public void actionPerformed(ActionEvent ae){
                  String name = t1.getText();
                String age = t2.getText();
                String salary = t4.getText();
                String phone = t5.getText();
                String aadhar = t6.getText();
                String email = t7.getText();
                String gender = null;
                if(r1.isSelected()){
                   gender = "Male";
                }else if(r2.isSelected()){
                   gender = "Female";
                }
                String job = (String)c1.getSelectedItem(); //typecasting
                   conn c = new conn(); //connection class object
                   String str = "insert into employee values( '"+name+"', '"+age+"', '"+gender+"','"+job+"', '"+salary+"', '"+phone+"','"+aadhar+"', '"+email+"')";
                try {
```

```
                c.s.executeUpdate(str);
                JOptionPane.showMessageDialog(null,"Employee Added");
                setVisible(false);
            } catch (Exception e) {
                e.printStackTrace();
              }
          }
public static void main(String[] args)
{
   new AddEmployee().setVisible(true);
}
```

Add Drivers

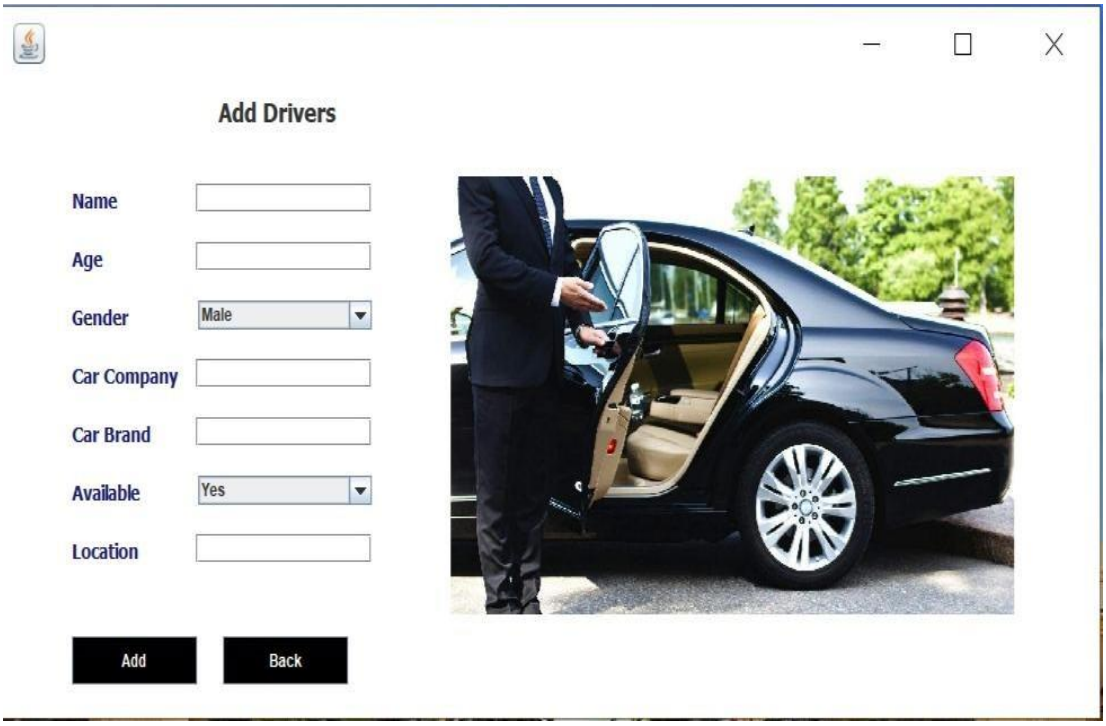
```
package hotel.management.system;
import java.awt.*;
import javax.swing.*;
import javax.swing.border.*;
import java.awt.event.*;
import java.sql.*;
import java.util.*;
public class AddDriver extends JFrame implements ActionListener{
    private JPanel contentPane;
    private JTextField t1,t2,t3,t4, t5;
    private JComboBox comboBox, comboBox_1;
    JButton b1,b2;
    Choice c1;
    public AddDriver() {
        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);
              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");
    l3.setForeground(new Color(25, 25, 112));
    l3.setFont(new Font("Tahoma", Font.BOLD, 14));
    l3.setBounds(64, 150, 102, 22);
    contentPane.add(l3);
comboBox = new JComboBox(new String[] { "Male", "Female" });
    comboBox.setBounds(176, 150, 154, 20);
    contentPane.add(comboBox);

    JLabel l4 = new JLabel("Car Company");
    l4.setForeground(new Color(25, 25, 112));
    l4.setFont(new Font("Tahoma", Font.BOLD, 14));
    l4.setBounds(64, 190, 102, 22);
    contentPane.add(l4);
     t3 = new JTextField();
```

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

 JLabel l5 = new JLabel("Car Brand");
l5.setForeground(new Color(25, 25, 112));
l5.setFont(new Font("Tahoma", Font.BOLD, 14));
l5.setBounds(64, 230, 102, 22);
contentPane.add(l5);

 t4 = new JTextField();
t4.setBounds(174, 230, 156, 20);
contentPane.add(t4);

 JLabel l6 = new JLabel("Available");
l6.setForeground(new Color(25, 25, 112));
l6.setFont(new Font("Tahoma", Font.BOLD, 14));
l6.setBounds(64, 270, 102, 22);
contentPane.add(l6);

 comboBox_1 = new JComboBox(new String[] { "Yes", "No" });
comboBox_1.setBounds(176, 270, 154, 20);
contentPane.add(comboBox_1);

 JLabel l7 = new JLabel("Location");
l7.setForeground(new Color(25, 25, 112));
l7.setFont(new Font("Tahoma", Font.BOLD, 14));
l7.setBounds(64, 310, 102, 22);
contentPane.add(l7);

 t5 = new JTextField();
t5.setBounds(174, 310, 156, 20);
contentPane.add(t5);
b1 = new JButton("Add");
```

```
    b1.addActionListener(this);
    b1.setBounds(64, 380, 111, 33);
     b1.setBackground(Color.BLACK);
     b1.setForeground(Color.WHITE);
    contentPane.add(b1);

    b2 = new JButton("Back");
    b2.addActionListener(this);
    b2.setBounds(198, 380, 111, 33);
     b2.setBackground(Color.BLACK);
     b2.setForeground(Color.WHITE);
    contentPane.add(b2);
     contentPane.setBackground(Color.WHITE);
  }
  public void actionPerformed(ActionEvent ae){
     try{
        if(ae.getSource() == b1){
           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();
           conn c = new conn();
           try{
           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){
    }
  }
    public static void main(String[] args) {
    new AddDriver().setVisible(true);
  }
}
```



Database

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)
```

TESTING

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. Approximately 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 million 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 behavior and preferences and accordingly suggest. All concepts can be applied to make the Hotel Management System more efficient.

CONCLUSION

In this project we have tried our best to make user friendly software. This software can be handled by any person who has little bit of idea of computers. In this software we have tried to meet most of the requirements of the present hotel management system including maintaining details of customers, rooms, employees and drivers. We also keep provision to update the details of customers, rooms and employees. In my effort we have tried to make my software all the more user friendly but there may some features which we would like to include in my continuous attempts.