Title Page

REPORT

ON

HOTEL MANAGEMENT SYSTEM

COURSE CODE- CSE310 (PROGRAMMING IN JAVA)

Submitted by:-

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to the department of

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Phagwara, Punjab

DECLARATION

I declare that project entitled **"Hotel Management System"** is our own work conducted under the supervision of **"Dr. Bhimasen Moharana"**, Department of **CSE**, **Lovely Professional University**, **Punjab**

I further declare that, to the best of our knowledge the project does not contain any work which has been submitted for the award of the degree either in the University or in any other University/Deemed University without proper citations.

Acknowledgment

I wish to express my sincere gratitude to God for his protection, providence, guidance and above all, for sustaining us.

I would like to express our special thanks of gratitude to our professor '**Dr. Bhimasen Moharana**' who gave me the golden opportunity to do this wonderful **project** on the topic **'Hotel Management System'** , which also helped me in doing a lot of Research and gaining some precious .

Abstract

In this 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 there 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.

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 includes the Room activities, Entering details of the new customer check in, To allocate a room as per the customer need and interest, Recording the checkout time and details, Releasing or Empty of room and to record the process in a computer system for future.

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.

Feasibility Study

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

To determine whether the software can be implemented using the current technology and within the specified budget and schedule A feasibility study is a preliminary investigation of a proposed system

to decide whether the system can run smoothly with the organization.

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

Three Types of feasibility study

1. *Technical Feasibility.*

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

2. *Operational Feasibility.*

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

3. *Economical Feasibility*

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

REQUIREMENT SPECIFICATION

User Requirements

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

System Requirements

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

User Interface

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

There are two sets of java APIs for graphics programming:

AWT (Abstract Windowing Toolkit) and Swing.

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

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

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

Software Requirements

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

Hardware Requirements

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

Administrative Modules

There are 2 modules I 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.

Main Objective

Main objective of this project is to provide solution for hotel to manage most there 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.

Disadvantages:

- Time consuming
- Inaccuracy of data

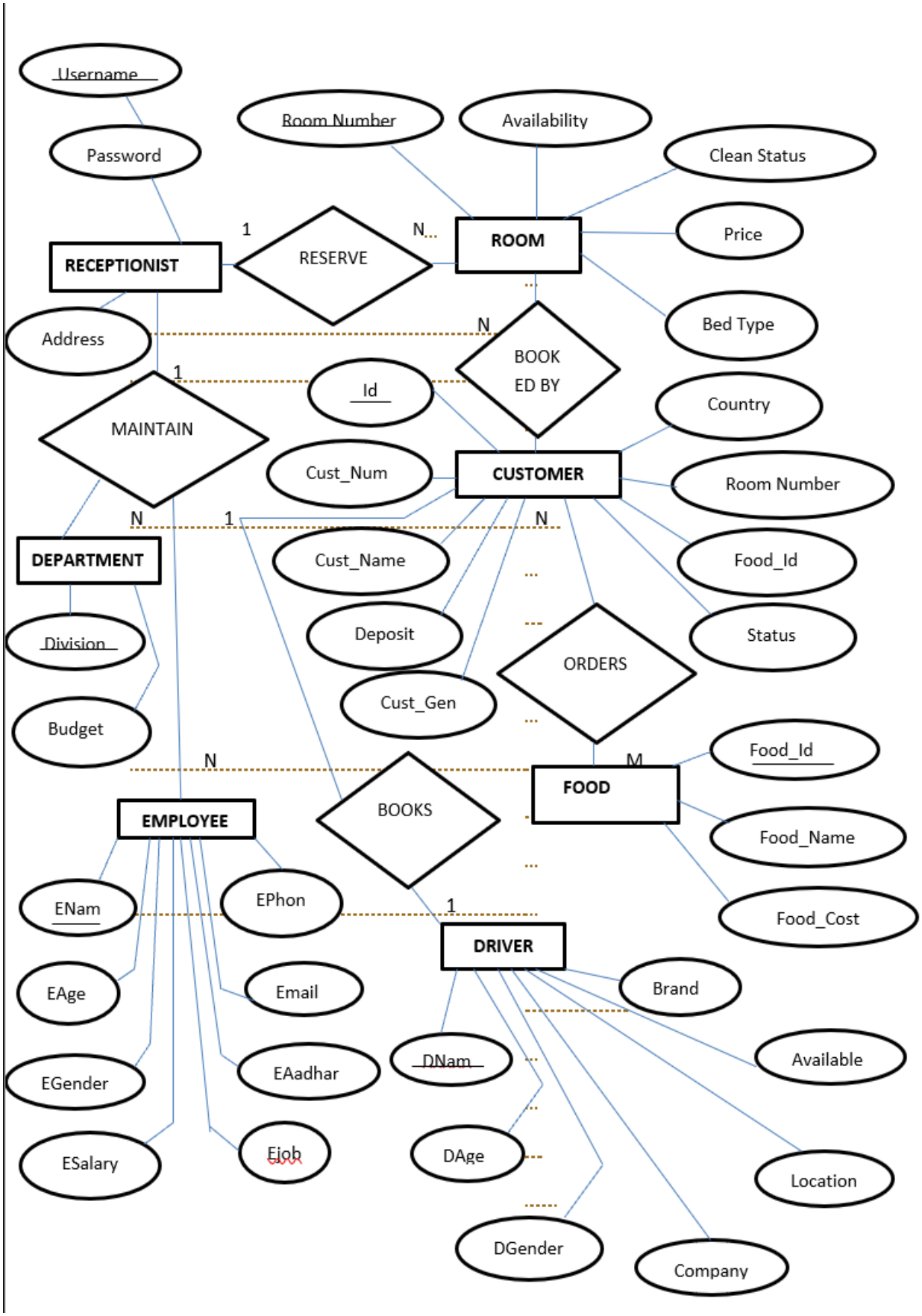
Proposed System:

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.

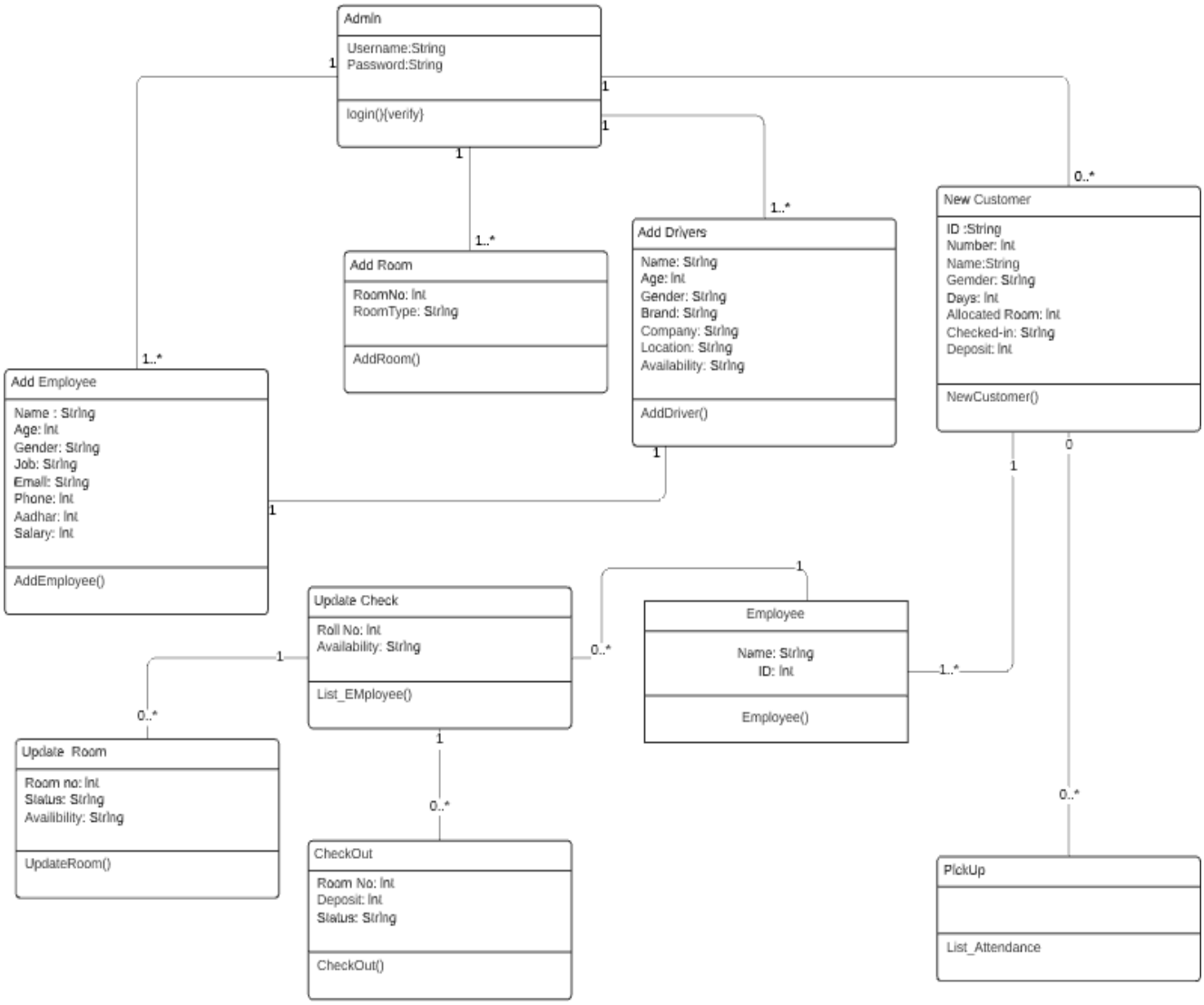
Advantages:

- Less Time consuming
- Maintain accuracy

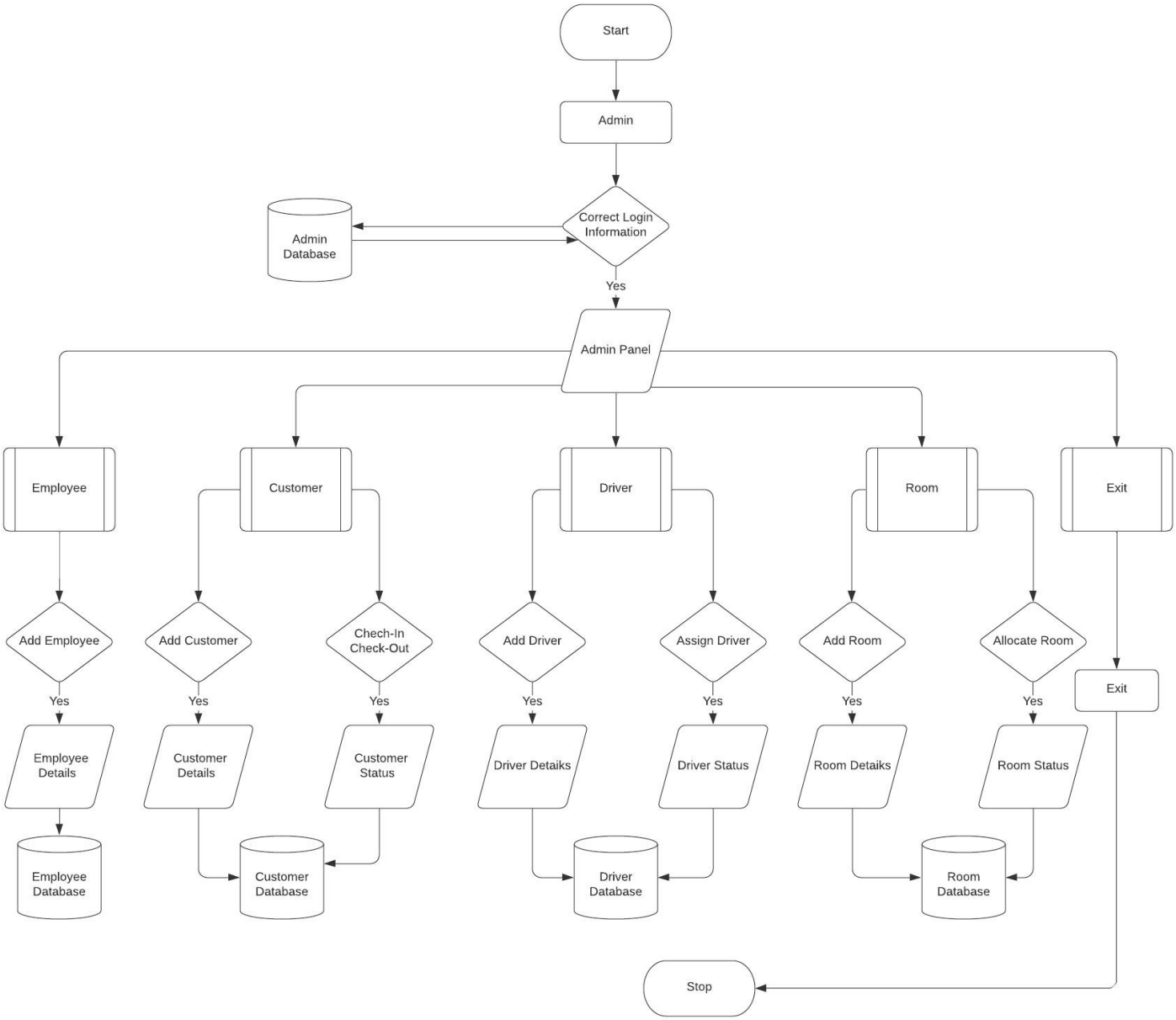
ER DIAGRAM


Username
Password
Room Number
Availability
Clean Status
RECEPTIONIST
1
RESERVE
N
ROOM
Price
Address
N
BOOK
ED BY
Bed Type
1
Id
MAINTAIN
Country
Cust_Num
CUSTOMER
Room Number
N
1
N
DEPARTMENT
Cust_Name
Food_Id
Division
Deposit
ORDERS
Status
Cust_Gen
Budget
N
M
Food_Id
BOOKS
FOOD
EMPLOYEE
Food_Name
ENam
EPhon
1
Food_Cost
DRIVER
EAge
Email
Brand
DNam
Available
EGender
EAadhar
DAge
Location
ESalary
Ejob
DGender
Company

Class Diagram



FLOW CHART


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

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
BedType	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
Adhar	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

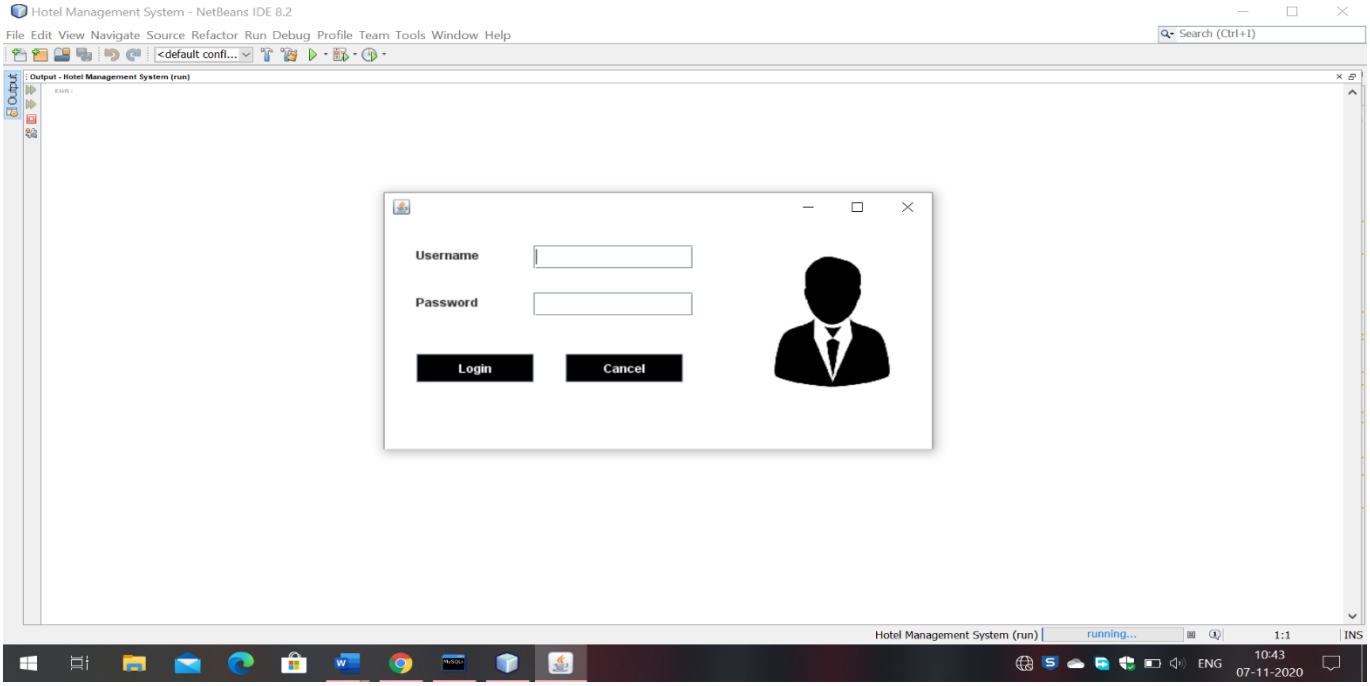
6.Department

Field	DataType	Constraint
Department	Varchar(30)	PK
Budget	Numeric(30)	NN

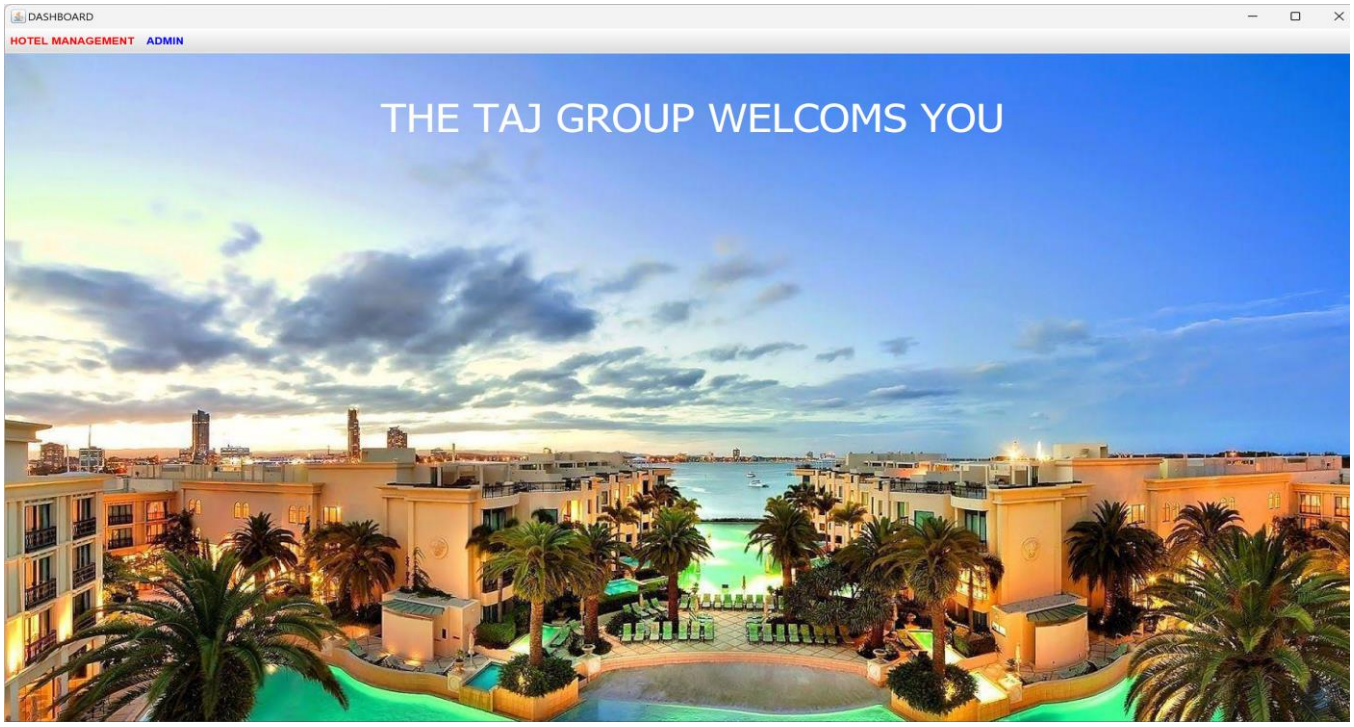
Screenshots

1. Start Screen

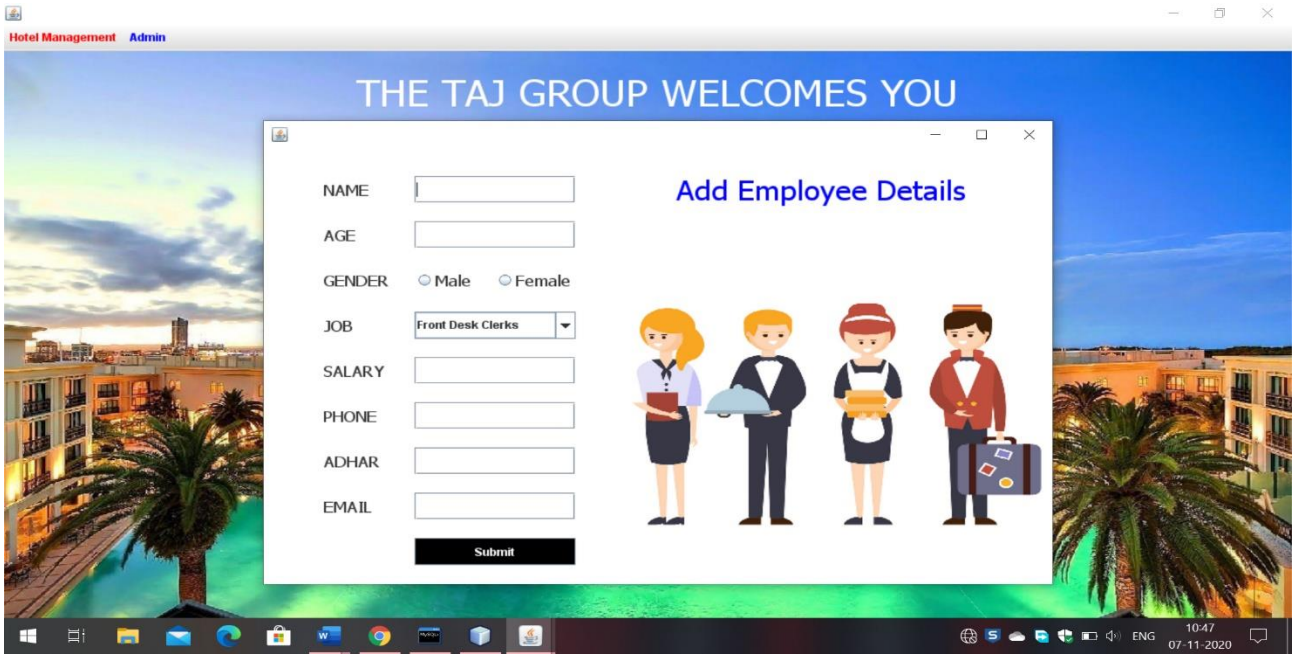
2.Login Page



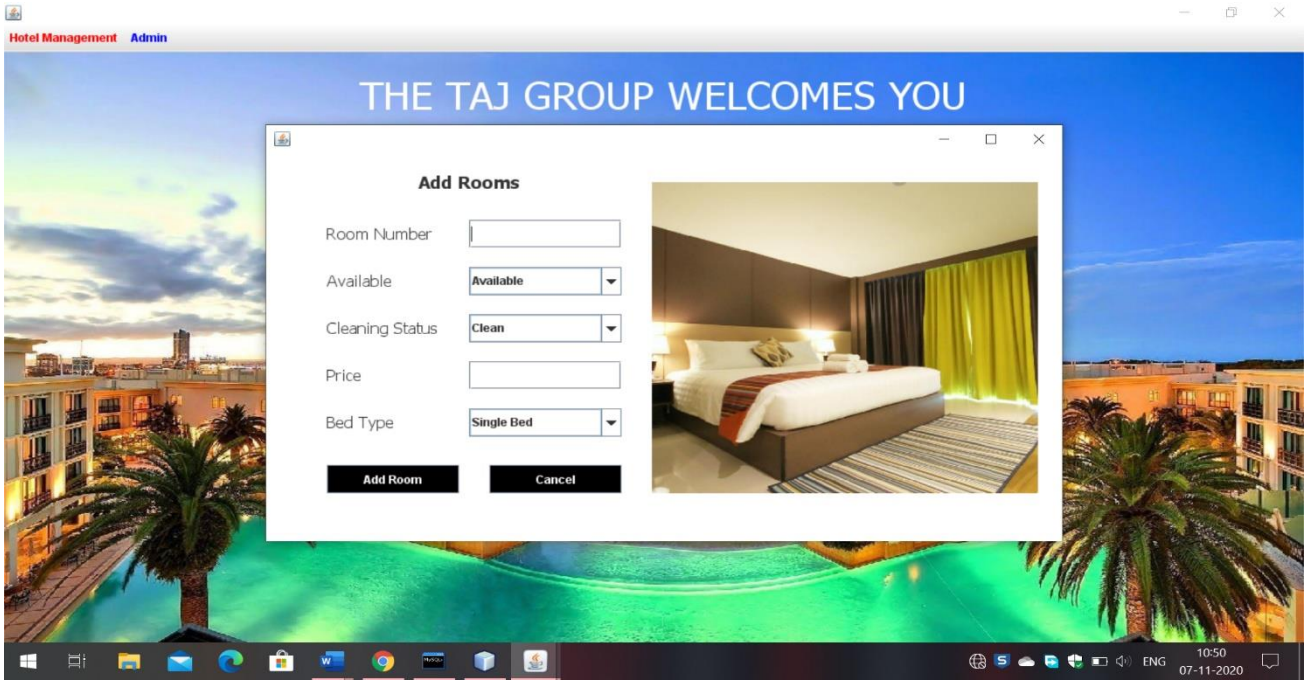
3.DashBoard Page



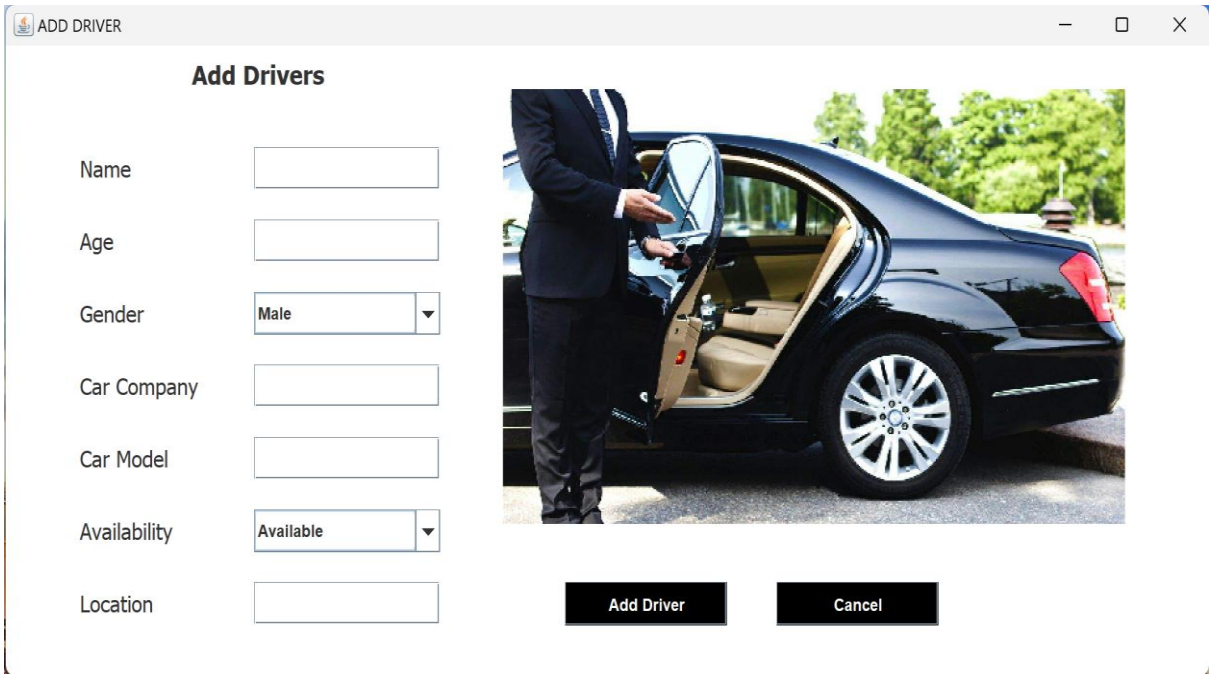
4.Add Employee



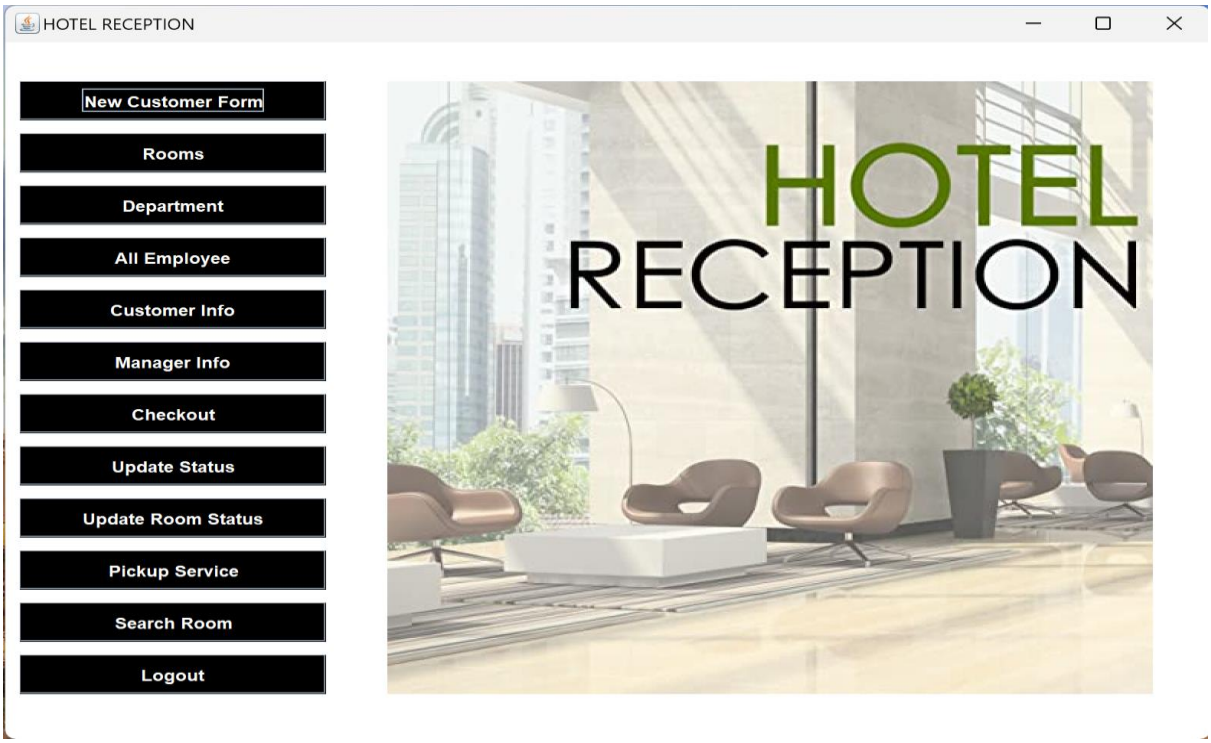
5.Add Rooms



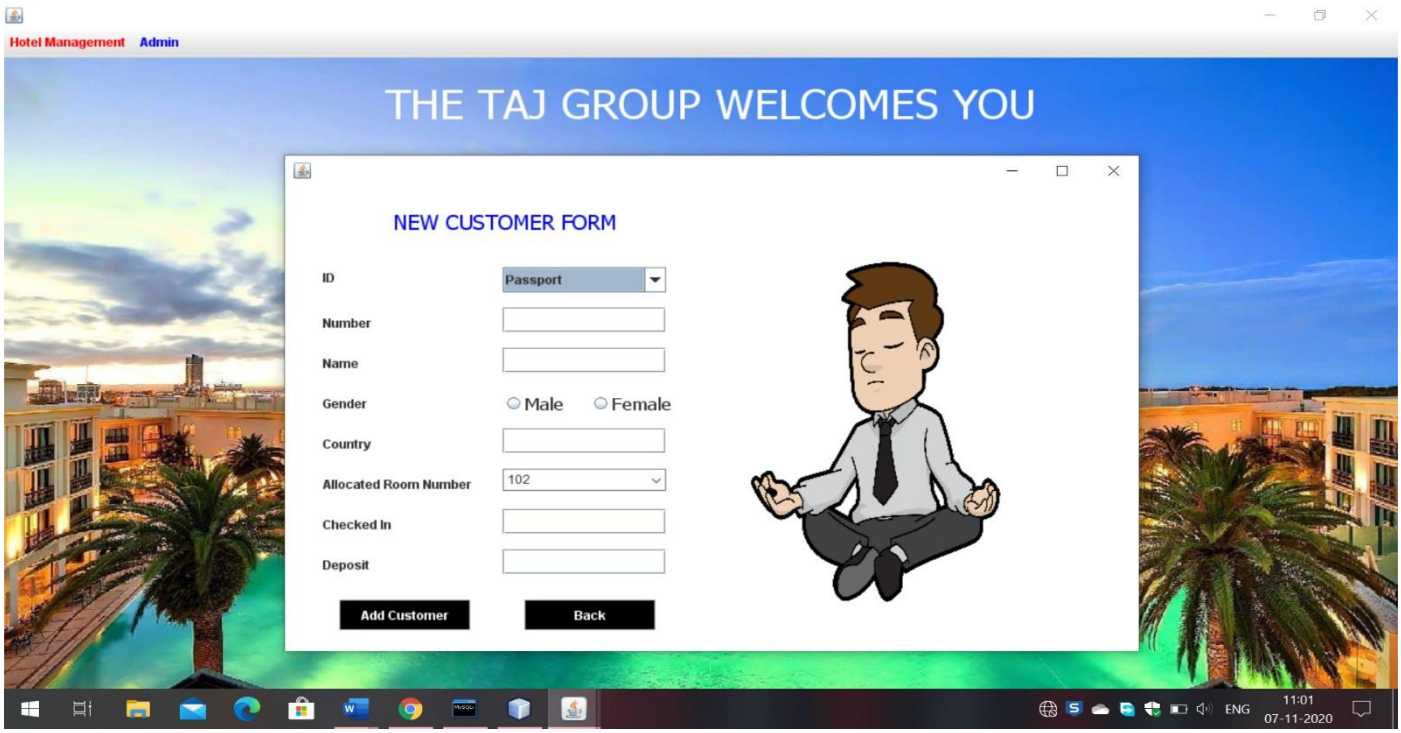
6.Add Driver



7.Reception



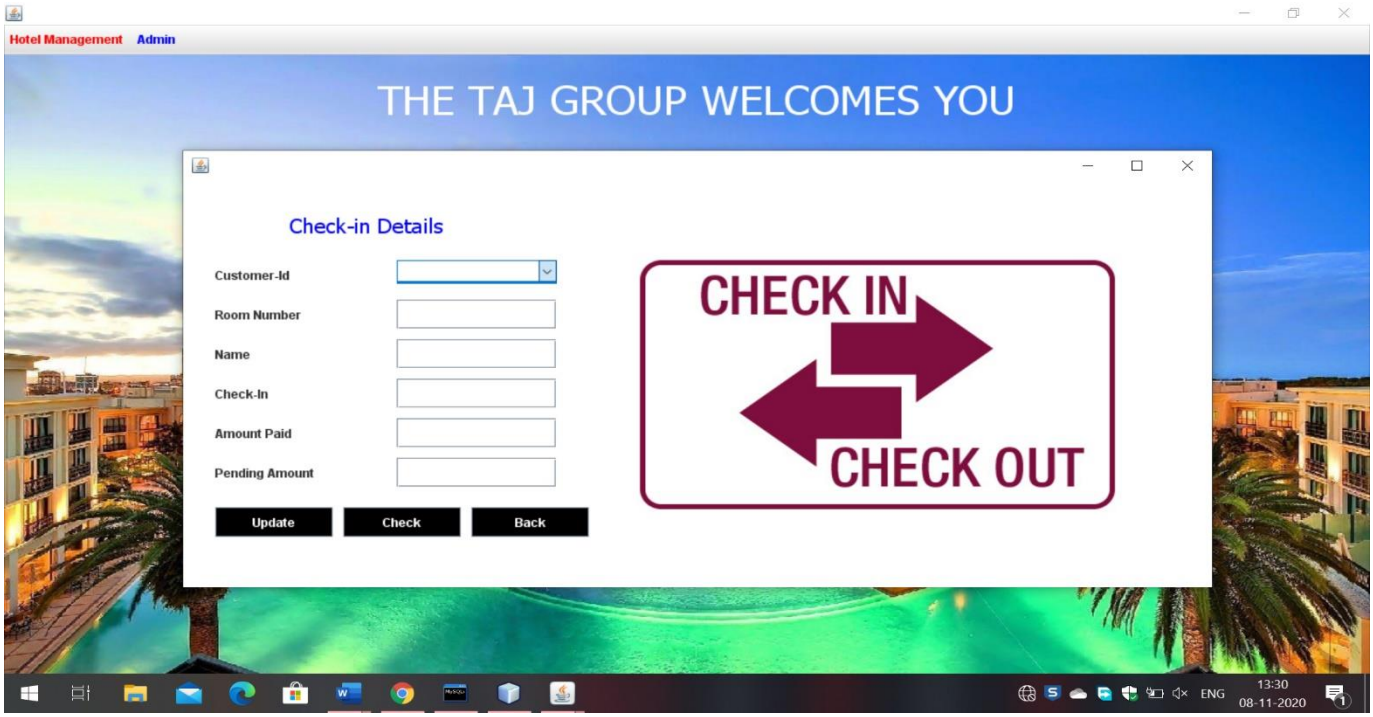
8.Add new Customer



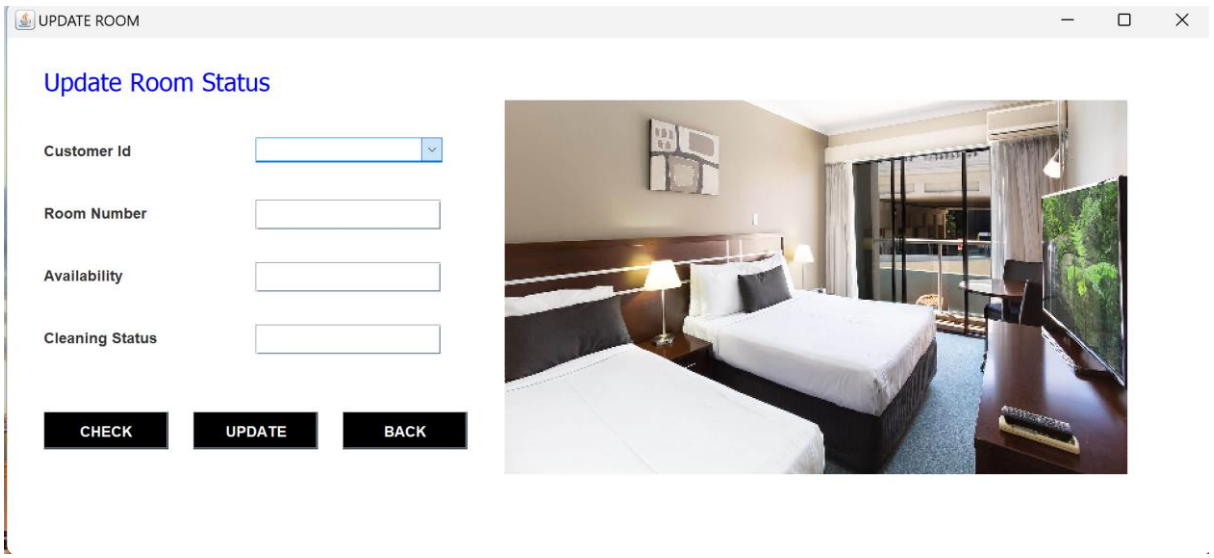
9.Room Details

10.Employee Details

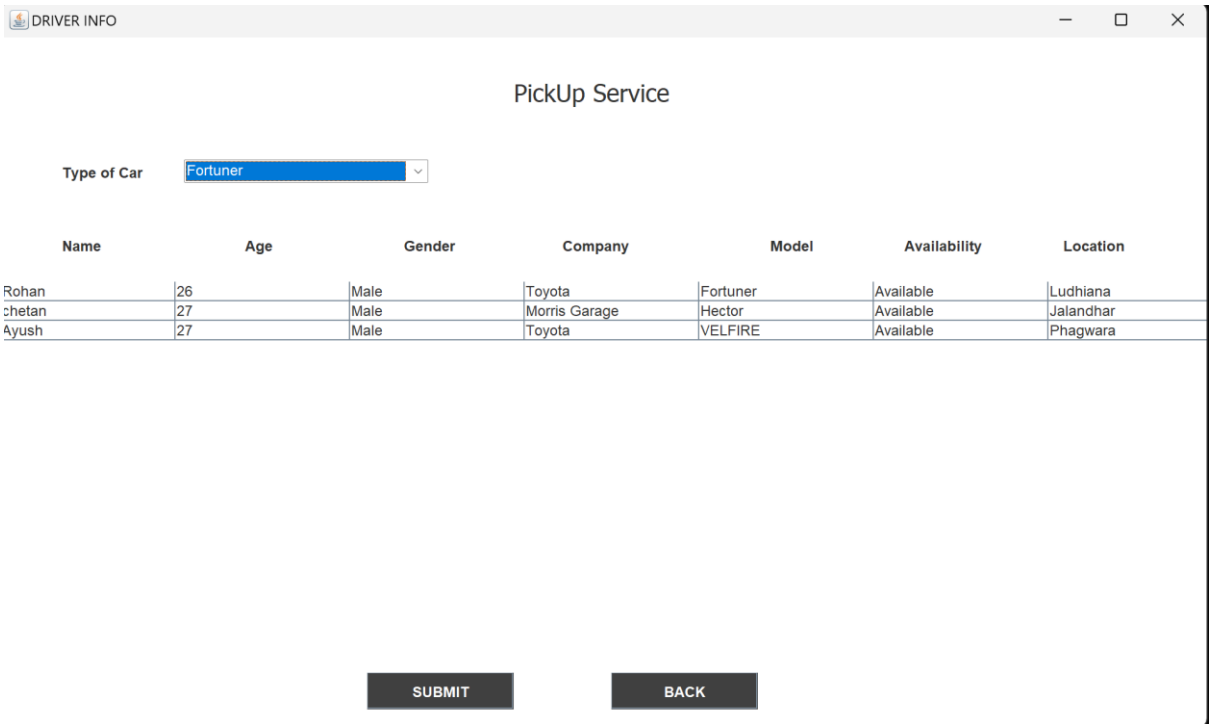
11. Check In Details



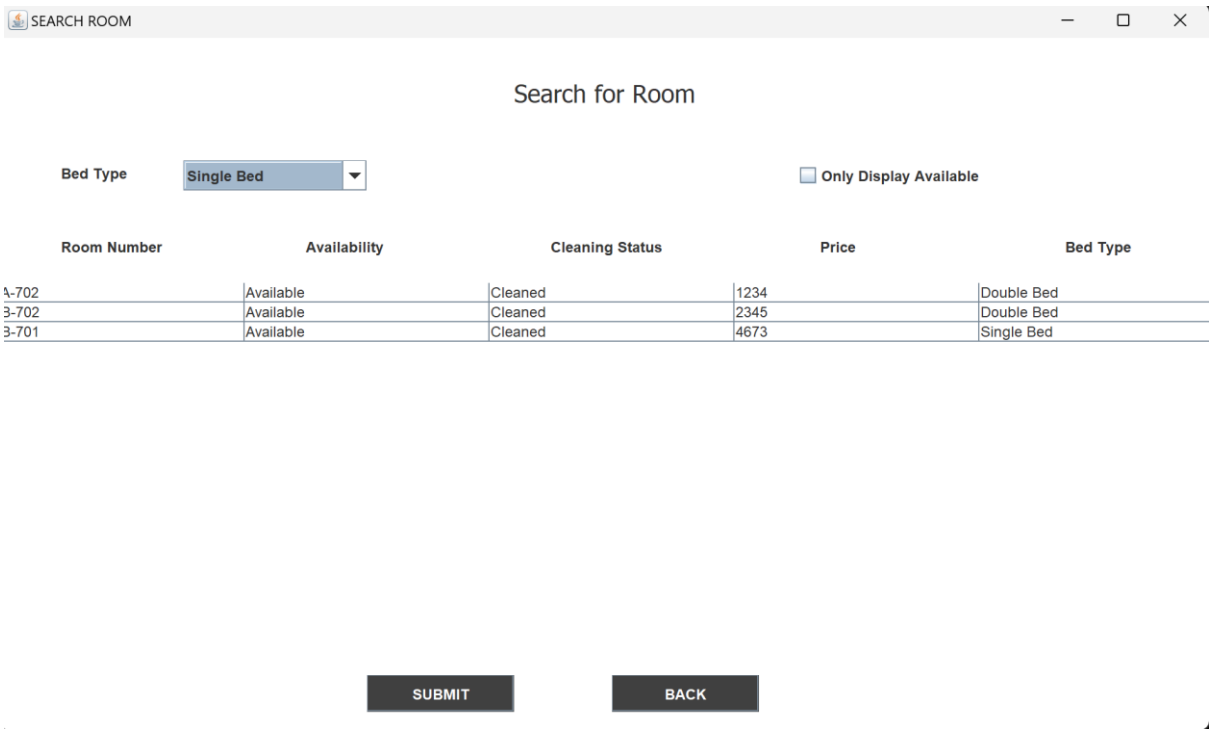
12.Update Room status



13. Driver Details



14.SEARCH ROOM



Code

1. Hotel Management Class

```
package hotel.management.system;


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


/**
 *
 * @author Ashutosh
 */
public class HotelManagementSystem extends JFrame implements ActionListener {


    HotelManagementSystem() { //Constructor to run by just creating object
        setSize(1366, 565);
        setLocation(100, 100); //Location on screen 100 from left and up
        setLayout(null);
        setTitle("THE TAJ");


        ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/first.jpg"));
        JLabel image = new JLabel(i1);
        image.setBounds(0, 0, 1366, 565);
        add(image);


        JLabel text = new JLabel("HOTEL MANAGEMENT SYSTEM");
        text.setBounds(20, 430, 1000, 90);
        text.setForeground(Color.WHITE);
        text.setFont(new Font("serif", Font.PLAIN, 50));
        image.add(text);
```

```
        JButton next = new JButton("Next");
        next.setBounds(1150, 450, 150, 60);
        next.setBackground(Color.WHITE);
        next.setForeground(Color.MAGENTA);
        next.addActionListener(this);
        next.setFont(new Font("serif", Font.PLAIN, 24));
        image.add(next);

        setVisible(true);

        while (true) {
            text.setVisible(false);
            try {
                Thread.sleep(500);
            } catch (Exception e) {
                e.printStackTrace();
            }
            text.setVisible(true);
            try {
                Thread.sleep(500);
            } catch (Exception e) {
                e.printStackTrace();
            }
        }
    }

    public void actionPerformed(ActionEvent ae) {
        setVisible(false);
        new Login();
    }
```

```
    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        new HotelManagementSystem(); //object of the class
        // TODO code application logic here
    }

}
```

Conn Class

```
package hotel.management.system;
import java.sql.*;
/**
 *
 * @author Ashutosh
 */
public class Conn {
    Connection c;//sql pack
    Statement s;
    Conn(){
        try{
        Class.forName("com.mysql.cj.jdbc.Driver");//1-Register the driver class by Jar file forname static method

c=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotelmanagementsystem","root","@Ashu2808");//2-Creating the connection
        s=c.createStatement();//3-creating a statement helps in executing mysql queries

        }
```

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

Login Class

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package hotel.management.system;

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

/**
 *
 * @author Ashutosh
 */
public class Login extends JFrame implements ActionListener {

    JTextField username;
    JPasswordField password;
    JButton login, cancel, Register;

    Login() {
        getContentPane().setBackground(Color.WHITE);
```

```
setLayout(null);

JLabel user = new JLabel("Username");
user.setBounds(40, 20, 100, 30);
add(user);

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

JLabel pass = new JLabel("Password");
pass.setBounds(40, 70, 100, 30);
add(pass);

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

login = new JButton("Login");
login.setBounds(40, 150, 120, 30);
login.setBackground(Color.BLACK);
login.setForeground(Color.WHITE);
login.addActionListener(this);
add(login);

cancel = new JButton("Cancel");
cancel.setBounds(180, 150, 120, 30);
cancel.setBackground(Color.BLACK);
cancel.setForeground(Color.WHITE);
cancel.addActionListener(this);
```

```
        add(cancel);

        ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/second.jpg"));
        Image i2 = i1.getImage().getScaledInstance(200, 200, Image.SCALE_DEFAULT);
        ImageIcon i3 = new ImageIcon(i2);
        JLabel image = new JLabel(i3);
        image.setBounds(350, 10, 200, 200);
        add(image);

        Register = new JButton("REGISTER");
        Register.setBounds(100, 200, 120, 30);
        Register.setBackground(Color.BLACK);
        Register.setForeground(Color.WHITE);
        Register.addActionListener(this);
        add(Register);

        setBounds(500, 200, 600, 300);
        setVisible(true);
        setTitle("LOGIN/REGISTER");
    }

    public void actionPerformed(ActionEvent ae) {
        if (ae.getSource() == login) {
            String user = username.getText();
            String pass = password.getText();

            try {
                Conn c = new Conn();

                String query = "select * from login where username = '" + user + "' and password = '" + pass
+ "'";
```

```
            ResultSet rs = c.s.executeQuery(query);

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

            } else {
                JOptionPane.showMessageDialog(null, "Invalid username or password");
                setVisible(false);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    } else if (ae.getSource() == cancel) {
        setVisible(false);
    } else if (ae.getSource() == Register) {
        setVisible(false);
        new Register();
    }
  }

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

Register Class

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
```

```
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package hotel.management.system;

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

/**
 *
 * @author Ashutosh
 */
public class Register extends JFrame implements ActionListener {

    JTextField tfusername;
    JPasswordField tfpassword;
    JButton Add, Back;

    Register() {
        getContentPane().setBackground(Color.WHITE);

        setLayout(null);
        setTitle("NEW USER REGISTRATION");

        JLabel user = new JLabel("Username");
        user.setBounds(40, 20, 100, 30);
        add(user);

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

```
add(tfusername);

JLabel pass = new JLabel("Password");
pass.setBounds(40, 70, 100, 30);
add(pass);

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

Add = new JButton("Add User");
Add.setBounds(40, 150, 120, 30);
Add.setBackground(Color.BLACK);
Add.setForeground(Color.WHITE);
Add.addActionListener(this);
add(Add);

Back = new JButton("BACK");
Back.setBounds(200, 150, 120, 30);
Back.setBackground(Color.BLACK);
Back.setForeground(Color.WHITE);
Back.addActionListener(this);
add(Back);
ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/second.jpg"));
Image i2 = i1.getImage().getScaledInstance(200, 200, Image.SCALE_DEFAULT);
ImageIcon i3 = new ImageIcon(i2);
JLabel image = new JLabel(i3);
image.setBounds(350, 10, 200, 200);
add(image);

setBounds(500, 200, 600, 250);
```

```
    setVisible(true);
}

public void actionPerformed(ActionEvent ae) {

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

        String username = tfusername.getText();
        String password = tfpassword.getText();
        try {
            Conn conn = new Conn();

            String query = "INSERT INTO login VALUES ('" + username + "','" + password + "')";

            conn.s.executeUpdate(query);

            JOptionPane.showMessageDialog(null, "User added successfully");
            setVisible(false);
        } catch (Exception e) {
            e.printStackTrace();
        }
    } else {
        setVisible(false);
        new Login();
    }

}

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

```
}
```

Dashboard Class

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package hotel.management.system;

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

/**
 *
 * @author Ashutosh
 */
public class Dashboard extends JFrame implements ActionListener {

    JMenuItem addrooms, addemployee, adddrivers, reception;

    Dashboard() {
        setBounds(0, 0, 1550, 1000);
        setLayout(null);
        setTitle("DASHBOARD");

        ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/third.jpg"));
        Image i2 = i1.getImage().getScaledInstance(1550, 1000, Image.SCALE_DEFAULT);
```

```
ImageIcon i3 = new ImageIcon(i2);
JLabel image = new JLabel(i3);
image.setBounds(0, 0, 1550, 1000);
add(image);

JLabel text = new JLabel("THE TAJ GROUP WELCOMS YOU");
text.setBounds(400, 80, 1000, 50);
text.setFont(new Font("Tahoma", Font.PLAIN, 46));
text.setForeground(Color.WHITE);
image.add(text);

JMenuBar mb = new JMenuBar();
mb.setBounds(0, 0, 1550, 30);
image.add(mb);

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

reception = new JMenuItem("RECEPTION");
reception.addActionListener(this);
hotel.add(reception);

JMenu admin = new JMenu("ADMIN");
admin.setForeground(Color.BLUE);
mb.add(admin);

addemployee = new JMenuItem("ADD EMPLOYEE");
addemployee.addActionListener(this);
admin.add(addemployee);
```

```
        addrooms = new JMenuItem("ADD ROOMS");
        addrooms.addActionListener(this);
        admin.add(addrooms);

        adddrivers = new JMenuItem("ADD DRIVERS");
        adddrivers.addActionListener(this);
        admin.add(adddrivers);

        setVisible(true);
    }

    public void actionPerformed(ActionEvent ae) {
        if (ae.getActionCommand().equals("ADD EMPLOYEE")) {
            new AddEmployee();

        } else if (ae.getActionCommand().equals("ADD ROOMS")) {
            new AddRooms();

        } else if (ae.getActionCommand().equals("ADD DRIVERS")) {
            new AddDriver();
        } else if (ae.getActionCommand().equals("RECEPTION")) {
            new Reception();
        }

    }

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

}
```

AddEmployee Class

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package hotel.management.system;

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

/**
 *
 * @author Ashutosh
 */
public class AddEmployee extends JFrame implements ActionListener {

    JTextField tfname, tfemail, tfphone, tfage, tfaadhar, tfsalary;
    JRadioButton rbmale, rbfemale;
    JButton submit, cancel;
    JComboBox cbjob;

    AddEmployee() {
        setLayout(null);
        setTitle("ADD EMPLOYEE");

        JLabel lblname = new JLabel("NAME");
        lblname.setBounds(60, 30, 120, 30);
        lblname.setFont(new Font("Tahoma", Font.PLAIN, 17));
```

```
add(lblname);

tfname = new JTextField();
tfname.setBounds(200, 30, 150, 30);
add(tfname);

JLabel lblage = new JLabel("AGE");
lblage.setBounds(60, 80, 120, 30);
lblage.setFont(new Font("Tahoma", Font.PLAIN, 17));
add(lblage);

tfage = new JTextField();
tfage.setBounds(200, 80, 150, 30);
add(tfage);

JLabel lblgender = new JLabel("GENDER");
lblgender.setBounds(60, 130, 120, 30);
lblgender.setFont(new Font("Tahoma", Font.PLAIN, 17));
add(lblgender);

rbmale = new JRadioButton("Male");
rbmale.setBounds(200, 130, 70, 30);
rbmale.setFont(new Font("Tahoma", Font.PLAIN, 14));
rbmale.setBackground(Color.WHITE);
add(rbmale);

rbfemale = new JRadioButton("Female");
rbfemale.setBounds(280, 130, 70, 30);
rbfemale.setFont(new Font("Tahoma", Font.PLAIN, 14));
rbfemale.setBackground(Color.WHITE);
add(rbfemale);
```

```
        ButtonGroup bg = new ButtonGroup();
        bg.add(rbfemale);
        bg.add(rbmale);

        JLabel lbljob = new JLabel("JOB");
        lbljob.setBounds(60, 180, 120, 30);
        lbljob.setFont(new Font("Tahoma", Font.PLAIN, 17));
        add(lbljob);

        String str[] = {"Front Desk Clerks", "Porters", "Housekeeping", "Kitchen Staff", "Room Service",
"Chefs", "Waiters/Waitress", "Manager", "Accountant"};
        cbjob = new JComboBox(str);
        cbjob.setBounds(200, 180, 150, 30);
        cbjob.setBackground(Color.WHITE);
        add(cbjob);

        JLabel lblsalary = new JLabel("SALARY");
        lblsalary.setBounds(60, 230, 120, 30);
        lblsalary.setFont(new Font("Tahoma", Font.PLAIN, 17));
        add(lblsalary);

        tfsalary = new JTextField();
        tfsalary.setBounds(200, 230, 150, 30);
        add(tfsalary);

        JLabel lblphone = new JLabel("PHONE");
        lblphone.setBounds(60, 280, 120, 30);
        lblphone.setFont(new Font("Tahoma", Font.PLAIN, 17));
        add(lblphone);
```

```
tfphone = new JTextField();
tfphone.setBounds(200, 280, 150, 30);
add(tfphone);

JLabel lblemail = new JLabel("EMAIL");
lblemail.setBounds(60, 330, 120, 30);
lblemail.setFont(new Font("Tahoma", Font.PLAIN, 17));
add(lblemail);

tfemail = new JTextField();
tfemail.setBounds(200, 330, 150, 30);
add(tfemail);

JLabel lblaadhar = new JLabel("AADHAAR");
lblaadhar.setBounds(60, 380, 120, 30);
lblaadhar.setFont(new Font("Tahoma", Font.PLAIN, 17));
add(lblaadhar);

tfaadhar = new JTextField();
tfaadhar.setBounds(200, 380, 150, 30);
add(tfaadhar);

submit = new JButton("SUBMIT");
submit.setBackground(Color.BLACK);
submit.setForeground(Color.WHITE);

submit.setBounds(40, 430, 150, 30);
submit.addActionListener(this);
add(submit);
cancel = new JButton("Cancel");
cancel.setForeground(Color.WHITE);
```

```
    cancel.setBackground(Color.BLACK);
    cancel.setBounds(200, 430, 150, 30);
    cancel.addActionListener(this);
    add(cancel);

    ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/tenth.jpg"));
    Image i2 = i1.getImage().getScaledInstance(450, 450, Image.SCALE_DEFAULT);
    ImageIcon i3 = new ImageIcon(i2);
    JLabel image = new JLabel(i3);
    image.setBounds(380, 60, 450, 370);
    add(image);

    getContentPane().setBackground(Color.WHITE);
    setBounds(350, 200, 850, 540);
    setVisible(true);

}

public void actionPerformed(ActionEvent ae) {
    if (ae.getSource() == submit) {
        String name = tfname.getText();
        String age = tfage.getText();
        String salary = tfsalary.getText();
        String phone = tfphone.getText();
        String email = tfemail.getText();
        String aadhar = tfaadhar.getText();

        String gender = null;
        if (rbmale.isSelected()) {
            gender = "Male";
        } else if (rbfemale.isSelected()) {
```

```
            gender = "Female";
        }
        String job = (String) cbjob.getSelectedItem();

        try {
            Conn conn = new Conn();

            String query = "INSERT INTO employee VALUES ('" + name + "','" + age + "','" + gender + "','" + job + "','" + salary + "','" + phone + "','" + email + "','" + aadhar + "')";

            conn.s.executeUpdate(query);

            JOptionPane.showMessageDialog(null, "Employee added successfully");
            setVisible(false);
        } catch (Exception e) {
            e.printStackTrace();
        }
    } else {
        setVisible(false);
    }
  }

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

AddRooms

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
```

```
 */
package hotel.management.system;

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

/**
 *
 * @author Ashutosh
 */
public class AddRooms extends JFrame implements ActionListener {

    JButton add, cancel;
    JTextField tfroom, tfprice;
    JComboBox typecombo, availablecombo, cleancombo;

    AddRooms() {

        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setTitle("ADD ROOMS");

        JLabel heading = new JLabel("Add Rooms");
        heading.setFont(new Font("Tahoma", Font.BOLD, 18));
        heading.setBounds(150, 20, 200, 20);
        add(heading);

        JLabel lblroomno = new JLabel("Room Number");
        lblroomno.setFont(new Font("Tahoma", Font.PLAIN, 16));
```

```
lblroomno.setBounds(60, 80, 120, 30);
add(lblroomno);

tfroom = new JTextField();
tfroom.setBounds(200, 80, 150, 30);
add(tfroom);

JLabel lblavailable = new JLabel("Available");
lblavailable.setFont(new Font("Tahoma", Font.PLAIN, 16));
lblavailable.setBounds(60, 130, 120, 30);
add(lblavailable);

String availableOptions[] = {"Available", "Occupied"};
availablecombo = new JComboBox(availableOptions);
availablecombo.setBounds(200, 130, 150, 30);
availablecombo.setBackground(Color.WHITE);
add(availablecombo);

JLabel lblclean = new JLabel("Cleaning Status");
lblclean.setFont(new Font("Tahoma", Font.PLAIN, 16));
lblclean.setBounds(60, 180, 120, 30);
add(lblclean);

String cleanOptions[] = {"Cleaned", "Dirty"};
cleancombo = new JComboBox(cleanOptions);
cleancombo.setBounds(200, 180, 150, 30);
cleancombo.setBackground(Color.WHITE);
add(cleancombo);

JLabel lblprice = new JLabel("Price");
lblprice.setFont(new Font("Tahoma", Font.PLAIN, 16));
```

```
lblprice.setBounds(60, 230, 120, 30);
add(lblprice);

tfprice = new JTextField();
tfprice.setBounds(200, 230, 150, 30);
add(tfprice);

JLabel lbltype = new JLabel("Bed Type");
lbltype.setFont(new Font("Tahoma", Font.PLAIN, 16));
lbltype.setBounds(60, 280, 120, 30);
add(lbltype);

String typeOptions[] = {"Single Bed", "Double Bed"};
typecombo = new JComboBox(typeOptions);
typecombo.setBounds(200, 280, 150, 30);
typecombo.setBackground(Color.WHITE);
add(typecombo);

add = new JButton("Add Room");
add.setForeground(Color.WHITE);
add.setBackground(Color.BLACK);
add.setBounds(60, 350, 130, 30);
add.addActionListener(this);
add(add);

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

```
        ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/twelve.jpg"));

        JLabel image = new JLabel(i1);
        image.setBounds(400, 30, 500, 300);
        add(image);

        setBounds(330, 200, 940, 470);
        setVisible(true);
    }

    public void actionPerformed(ActionEvent ae) {

        if (ae.getSource() == add) {
            String roomnumber = tfroom.getText();
            String availability = (String) availablecombo.getSelectedItem();
            String status = (String) cleancombo.getSelectedItem();
            String price = tfprice.getText();
            String type = (String) typecombo.getSelectedItem();

            try {
                Conn conn = new Conn();
                String query = "INSERT INTO room VALUES ('" + roomnumber + "','" + availability + "','" +
status + "','" + price + "','" + type + "')";

                conn.s.executeUpdate(query);

                JOptionPane.showMessageDialog(null, "New Room added successfully");
                setVisible(false);
            } catch (Exception e) {
                e.printStackTrace();
```

```
            }

        } else {
            setVisible(false);
        }
    }

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

AddDriver

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
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 */
package hotel.management.system;

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

/**
 *
 * @author Ashutosh
 */
public class AddDriver extends JFrame implements ActionListener {
```

```
JButton add, cancel;
JTextField tfname, tfage, tfcompany, tfmodel, tflocation;
JComboBox drivercombo, agecombo;

AddDriver() {

    getContentPane().setBackground(Color.WHITE);
    setLayout(null);
    setTitle("ADD DRIVER");

    JLabel heading = new JLabel("Add Drivers");
    heading.setFont(new Font("Tahoma", Font.BOLD, 18));
    heading.setBounds(150, 10, 200, 20);
    add(heading);

    JLabel lblroomno = new JLabel("Name");
    lblroomno.setFont(new Font("Tahoma", Font.PLAIN, 16));
    lblroomno.setBounds(60, 70, 120, 30);
    add(lblroomno);

    tfname = new JTextField();
    tfname.setBounds(200, 70, 150, 30);
    add(tfname);

    JLabel lblavailable = new JLabel("Age");
    lblavailable.setFont(new Font("Tahoma", Font.PLAIN, 16));
    lblavailable.setBounds(60, 120, 120, 30);
    add(lblavailable);

    tfage = new JTextField();
```

```
tfage.setBounds(200, 120, 150, 30);
add(tfage);

JLabel lblclean = new JLabel("Gender");
lblclean.setFont(new Font("Tahoma", Font.PLAIN, 16));
lblclean.setBounds(60, 170, 120, 30);
add(lblclean);

String cleanOptions[] = {"Male", "Female"};
agecombo = new JComboBox(cleanOptions);
agecombo.setBounds(200, 170, 150, 30);
agecombo.setBackground(Color.WHITE);
add(agecombo);

JLabel lblprice = new JLabel("Car Company");
lblprice.setFont(new Font("Tahoma", Font.PLAIN, 16));
lblprice.setBounds(60, 220, 120, 30);
add(lblprice);

tfcompany = new JTextField();
tfcompany.setBounds(200, 220, 150, 30);
add(tfcompany);

JLabel lbltype = new JLabel("Car Model");
lbltype.setFont(new Font("Tahoma", Font.PLAIN, 16));
lbltype.setBounds(60, 270, 120, 30);
add(lbltype);

tfmodel = new JTextField();
tfmodel.setBounds(200, 270, 150, 30);
add(tfmodel);
```

```
lblavailable = new JLabel("Availability");
lblavailable.setFont(new Font("Tahoma", Font.PLAIN, 16));
lblavailable.setBounds(60, 320, 120, 30);
add(lblavailable);

String driverOptions[] = {"Available", "Busy"};
drivercombo = new JComboBox(driverOptions);
drivercombo.setBounds(200, 320, 150, 30);
drivercombo.setBackground(Color.WHITE);
add(drivercombo);

JLabel lbllocation = new JLabel("Location");
lbllocation.setFont(new Font("Tahoma", Font.PLAIN, 16));
lbllocation.setBounds(60, 370, 120, 30);
add(lbllocation);

tflocation = new JTextField();
tflocation.setBounds(200, 370, 150, 30);
add(tflocation);

add = new JButton("Add Driver");
add.setForeground(Color.WHITE);
add.setBackground(Color.BLACK);
add.setBounds(450, 370, 130, 30);
add.addActionListener(this);
add(add);

cancel = new JButton("Cancel");
cancel.setForeground(Color.WHITE);
cancel.setBackground(Color.BLACK);
```

```
        cancel.setBounds(620, 370, 130, 30);
        cancel.addActionListener(this);
        add(cancel);

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

        Image i2 = i1.getImage().getScaledInstance(500, 300, Image.SCALE_DEFAULT);
        ImageIcon i3 = new ImageIcon(i2);
        JLabel image = new JLabel(i3);
        image.setBounds(400, 30, 500, 300);
        add(image);

        setBounds(300, 200, 980, 470);
        setVisible(true);
    }

    public void actionPerformed(ActionEvent ae) {

        if (ae.getSource() == add) {
            String name = tfname.getText();
            String age = tfage.getText();
            String gender = (String) agecombo.getSelectedItem();
            String company = tfcompany.getText();
            String brand = tfmodel.getText();
            String available = (String) drivercombo.getSelectedItem();
            String location = tflocation.getText();

            try {
                Conn conn = new Conn();
                String query = "INSERT INTO driver VALUES ('" + name + "','" + age + "','" + gender + "','" +
company + "','" + brand + "','" + available + "','" + location + "')";
```

```
            conn.s.executeUpdate(query);

            JOptionPane.showMessageDialog(null, "New Driver added successfully");
            setVisible(false);
          } catch (Exception e) {
            e.printStackTrace();
          }

        } else {
          setVisible(false);
        }
    }

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

Department

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package hotel.management.system;

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

```
import net.proteanit.sql.*;

/**
 *
 * @author Ashutosh
 */
public class Department extends JFrame implements ActionListener {

    JTable table;
    JButton back;

    Department() {

        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setTitle("DEPARTMENT");

        JLabel l1 = new JLabel("Department");
        l1.setBounds(180, 10, 100, 20);
        add(l1);

        JLabel l2 = new JLabel("Budget");
        l2.setBounds(420, 10, 100, 20);
        add(l2);

        table = new JTable();
        table.setBounds(0, 50, 700, 350);
        add(table);

        try {
            Conn c = new Conn();
```

```
            ResultSet rs = c.s.executeQuery("select * from department");
            table.setModel(DbUtils.resultSetToTableModel(rs));
        } catch (Exception e) {
            e.printStackTrace();
        }

        back = new JButton("BACK");
        back.setBackground(Color.DARK_GRAY);
        back.setForeground(Color.WHITE);
        back.addActionListener(this);
        back.setBounds(280, 400, 120, 30);
        add(back);

        setBounds(400, 200, 700, 480);
        setVisible(true);

    }

    public void actionPerformed(ActionEvent ae) {
        setVisible(false);
        new Reception();

    }

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

```
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package hotel.management.system;

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

/**
 *
 * @author Ashutosh
 */
public class AddCustomer extends JFrame implements ActionListener {

    JComboBox comboid;
    JTextField tfnumber, tfname, tfcountry, tfdeposit;
    JRadioButton rmale, rfemale;
    Choice croom;
    JLabel checkintime;
    JButton add, back;

    AddCustomer() {
        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setTitle("ADD CUSTOMER");

        JLabel text = new JLabel("NEW CUSTOMER FORM");
```

```
text.setBounds(100, 20, 300, 30);
text.setFont(new Font("Raleway", Font.PLAIN, 20));
add(text);

JLabel lblid = new JLabel("ID");
lblid.setBounds(35, 80, 100, 20);
lblid.setFont(new Font("Raleway", Font.PLAIN, 20));
add(lblid);

String options[] = {"Aadhaar Card", "Passport", "Driving Licence", "Voter ID ", "Ration Card"};
comboid = new JComboBox(options);
comboid.setBounds(200, 80, 150, 25);
comboid.setBackground(Color.WHITE);
add(comboid);

JLabel lblnumber = new JLabel("Number");
lblnumber.setBounds(35, 120, 100, 20);
lblnumber.setFont(new Font("Raleway", Font.PLAIN, 20));
add(lblnumber);

tfnumber = new JTextField();
tfnumber.setBounds(200, 120, 150, 25);
add(tfnumber);

JLabel lblname = new JLabel("Name");
lblname.setBounds(35, 160, 100, 20);
lblname.setFont(new Font("Raleway", Font.PLAIN, 20));
add(lblname);

tfname = new JTextField();
tfname.setBounds(200, 160, 150, 25);
```

```
add(tfname);

JLabel lblgender = new JLabel("Gender");
lblgender.setBounds(35, 200, 100, 20);
lblgender.setFont(new Font("Raleway", Font.PLAIN, 20));
add(lblgender);

rmale = new JRadioButton("Male");
rmale.setBackground(Color.WHITE);
rmale.setBounds(200, 200, 60, 25);
add(rmale);

rfemale = new JRadioButton("Female");
rfemale.setBackground(Color.WHITE);
rfemale.setBounds(270, 200, 100, 25);
add(rfemale);

ButtonGroup bg = new ButtonGroup();
bg.add(rfemale);
bg.add(rmale);

JLabel lblcountrey = new JLabel("Country");
lblcountrey.setBounds(35, 240, 100, 20);
lblcountrey.setFont(new Font("Raleway", Font.PLAIN, 20));
add(lblcountrey);

tfcountry = new JTextField();
tfcountry.setBounds(200, 240, 150, 25);
add(tfcountry);

JLabel lblroom = new JLabel("Room Number");
```

```
lblroom.setBounds(35, 280, 150, 20);
lblroom.setFont(new Font("Raleway", Font.PLAIN, 20));
add(lblroom);

croom = new Choice();

try {
   Conn conn = new Conn();
   String query = "select * from room where availability='Available'";
   ResultSet rs = conn.s.executeQuery(query);
   while (rs.next()) {
      croom.add(rs.getString("roomnumber"));

   }

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

croom.setBounds(200, 280, 150, 25);
add(croom);

JLabel lbltime = new JLabel("Checkin time");
lbltime.setBounds(35, 320, 150, 20);
lbltime.setFont(new Font("Raleway", Font.PLAIN, 20));
add(lbltime);

Date date = new Date();

checkintime = new JLabel("" + date);
checkintime.setBounds(200, 320, 270, 25);
```

```
checkintime.setFont(new Font("Raleway", Font.PLAIN, 13));
add(checkintime);

JLabel lbldeposit = new JLabel("Deposit");
lbldeposit.setBounds(35, 360, 100, 20);
lbldeposit.setFont(new Font("Raleway", Font.PLAIN, 20));
add(lbldeposit);

tfdeposit = new JTextField();
tfdeposit.setBounds(200, 360, 150, 25);
add(tfdeposit);

add = new JButton("ADD");
add.setBackground(Color.BLACK);
add.setForeground(Color.WHITE);
add.setBounds(35, 420, 100, 30);
add.addActionListener(this);
add(add);

back = new JButton("BACK");
back.setBackground(Color.BLACK);
back.setForeground(Color.WHITE);
back.setBounds(200, 420, 100, 30);
back.addActionListener(this);
add(back);

ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/fifth.png"));
Image i2 = i1.getImage().getScaledInstance(300, 400, Image.SCALE_DEFAULT);
ImageIcon i3 = new ImageIcon(i2);
JLabel image = new JLabel(i3);
image.setBounds(400, 50, 300, 400);
```

```
        add(image);

        setBounds(350, 200, 800, 500);
        setVisible(true);
    }

    public void actionPerformed(ActionEvent ae) {
        if (ae.getSource() == add) {
            String id = (String) comboid.getSelectedItem();
            String number = tfnumber.getText();
            String name = tfname.getText();
            String gender = null;

            if (rmale.isSelected()) {
                gender = "Male";
            } else {
                gender = "Female";
            }

            String country = tfcountry.getText();
            String room = croom.getSelectedItem();
            String time = checkintime.getText();
            String deposit = tfdeposit.getText();

            try {
                String query = "insert into customer values('" + id + "','" + number + "','" + name + "','" +
gender + "','" + country + "','" + room + "','" + time + "','" + deposit + "')";
                String query2 = "update room set availability ='Occupied' where roomnumber ='" + room +
"'";
                Conn conn = new Conn();
                conn.s.executeUpdate(query);
                conn.s.executeUpdate(query2);
```

```
            JOptionPane.showMessageDialog(null, "New Customer Added Successfully");

            new Reception();

        } catch (Exception e) {
            e.printStackTrace();
        }
      } else if (ae.getSource() == back) {
        setVisible(false);
        new Reception();

      }

    }

    public static void main(String args[]) {

      new AddCustomer();

    }

}
```

Room class

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package hotel.management.system;
```

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.*;
import net.proteanit.sql.*;

/**
 *
 * @author Ashutosh
 */
public class Room extends JFrame implements ActionListener {

    JTable table;
    JButton back;

    Room() {

        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setTitle("ROOMS INFO");

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

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

```
add(l1);

JLabel l2 = new JLabel("Availability");
l2.setBounds(120, 10, 100, 20);
add(l2);

JLabel l3 = new JLabel("Status");
l3.setBounds(230, 10, 100, 20);
add(l3);

JLabel l4 = new JLabel("Price");
l4.setBounds(330, 10, 100, 20);
add(l4);

JLabel l5 = new JLabel("Bed Type");
l5.setBounds(410, 10, 100, 20);
add(l5);

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

try {
   Conn c = new Conn();
   ResultSet rs = c.s.executeQuery("select * from room");
   table.setModel(DbUtils.resultSetToTableModel(rs));
} catch (Exception e) {
   e.printStackTrace();
}

back = new JButton("BACK");
```

```
        back.setBackground(Color.DARK_GRAY);
        back.setForeground(Color.WHITE);
        back.addActionListener(this);
        back.setBounds(200, 500, 120, 30);
        add(back);

        setBounds(300, 200, 1050, 600);
        setVisible(true);

    }

    public void actionPerformed(ActionEvent ae) {
        setVisible(false);
        new Reception();

    }

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

Reception

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package hotel.management.system;
```

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

/**
 *
 * @author Ashutosh
 */
public class Reception extends JFrame implements ActionListener {

    JButton logout, searchRoom, pickup, roomStatus, checkout, managerinfo, customer, allEmployee, department, rooms, newCustomer, update;

    Reception() {
        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setTitle("HOTEL RECEPTION");

        newCustomer = new JButton("New Customer Form");
        newCustomer.setBounds(10, 30, 200, 30);
        newCustomer.setBackground(Color.BLACK);
        newCustomer.setForeground(Color.WHITE);
        newCustomer.addActionListener(this);
        add(newCustomer);

        rooms = new JButton("Rooms");
        rooms.setBounds(10, 70, 200, 30);
        rooms.setBackground(Color.BLACK);
        rooms.setForeground(Color.WHITE);
        rooms.addActionListener(this);
        add(rooms);
```

```
department = new JButton("Department");
department.setBounds(10, 110, 200, 30);
department.setBackground(Color.BLACK);
department.setForeground(Color.WHITE);
department.addActionListener(this);
add(department);

allEmployee = new JButton("All Employee");
allEmployee.setBounds(10, 150, 200, 30);
allEmployee.setBackground(Color.BLACK);
allEmployee.setForeground(Color.WHITE);
allEmployee.addActionListener(this);
add(allEmployee);

customer = new JButton("Customer Info");
customer.setBounds(10, 190, 200, 30);
customer.setBackground(Color.BLACK);
customer.setForeground(Color.WHITE);
customer.addActionListener(this);
add(customer);

managerinfo = new JButton("Manager Info");
managerinfo.setBounds(10, 230, 200, 30);
managerinfo.setBackground(Color.BLACK);
managerinfo.setForeground(Color.WHITE);
managerinfo.addActionListener(this);
add(managerinfo);

checkout = new JButton("Checkout");
checkout.setBounds(10, 270, 200, 30);
```

```
checkout.setBackground(Color.BLACK);
checkout.setForeground(Color.WHITE);
checkout.addActionListener(this);
add(checkout);

update = new JButton("Update Status");
update.setBounds(10, 310, 200, 30);
update.setBackground(Color.BLACK);
update.setForeground(Color.WHITE);
update.addActionListener(this);
add(update);

roomStatus = new JButton("Update Room Status");
roomStatus.setBounds(10, 350, 200, 30);
roomStatus.setBackground(Color.BLACK);
roomStatus.setForeground(Color.WHITE);
roomStatus.addActionListener(this);
add(roomStatus);

pickup = new JButton("Pickup Service");
pickup.setBounds(10, 390, 200, 30);
pickup.setBackground(Color.BLACK);
pickup.setForeground(Color.WHITE);
pickup.addActionListener(this);
add(pickup);

searchRoom = new JButton("Search Room");
searchRoom.setBounds(10, 430, 200, 30);
searchRoom.setBackground(Color.BLACK);
searchRoom.setForeground(Color.WHITE);
searchRoom.addActionListener(this);
```

```
        add(searchRoom);

        logout = new JButton("Logout");
        logout.setBounds(10, 470, 200, 30);
        logout.setBackground(Color.BLACK);
        logout.setForeground(Color.WHITE);
        logout.addActionListener(this);
        add(logout);

        ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/fourth.jpg"));
        JLabel image = new JLabel(i1);
        image.setBounds(250, 30, 500, 470);
        add(image);

        setBounds(350, 200, 800, 570);
        setVisible(true);

    }

    public void actionPerformed(ActionEvent ae) {
        if (ae.getSource() == newCustomer) {
            setVisible(false);
            new AddCustomer();
        } else if (ae.getSource() == rooms) {
            setVisible(false);
            new Room();
        } else if (ae.getSource() == department) {
            setVisible(false);
            new Department();
        } else if (ae.getSource() == allEmployee) {
            setVisible(false);
```

```
            new EmployeeInfo();
        } else if (ae.getSource() == customer) {
            setVisible(false);
            new CustomerInfo();
        } else if (ae.getSource() == managerinfo) {
            setVisible(false);
            new ManagerInfo();
        } else if (ae.getSource() == searchRoom) {
            setVisible(false);
            new SearchRoom();
        } else if (ae.getSource() == update) {
            setVisible(false);
            new UpdateCheck();
        } else if (ae.getSource() == roomStatus) {
            setVisible(false);
            new UpdateRoom();

        } else if (ae.getSource() == pickup) {
            setVisible(false);
            new Pickup();

        } else if (ae.getSource() == checkout) {
            setVisible(false);
            new Checkout();
        } else if (ae.getSource() == logout) {
            setVisible(false);
//              System.exit(0);
            new Login();
        }
    }
```

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

ManagerInfo Class

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package hotel.management.system;

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

/**
 *
 * @author Ashutosh
 */
public class ManagerInfo extends JFrame implements ActionListener {

    JTable table;
    JButton back;

    ManagerInfo() {

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

```
setLayout(null);
setTitle("MANAGER INFO");

JLabel l1 = new JLabel("Name");
l1.setBounds(40, 10, 100, 20);
add(l1);

JLabel l2 = new JLabel("Age");
l2.setBounds(170, 10, 100, 20);
add(l2);

JLabel l3 = new JLabel("Gender");
l3.setBounds(290, 10, 100, 20);
add(l3);

JLabel l4 = new JLabel("Job");
l4.setBounds(400, 10, 100, 20);
add(l4);

JLabel l5 = new JLabel("Salary");
l5.setBounds(540, 10, 100, 20);
add(l5);

JLabel l6 = new JLabel("Phone");
l6.setBounds(670, 10, 100, 20);
add(l6);

JLabel l7 = new JLabel("Email");
l7.setBounds(790, 10, 100, 20);
add(l7);
```

```
    JLabel l8 = new JLabel("Aadhaar");
    l8.setBounds(910, 10, 100, 20);
    add(l8);

    table = new JTable();
    table.setBounds(0, 40, 1000, 400);
    add(table);

    try {
        Conn c = new Conn();
        ResultSet rs = c.s.executeQuery("select * from employee where job ='Manager'");
        table.setModel(DbUtils.resultSetToTableModel(rs));
    } catch (Exception e) {
        e.printStackTrace();
    }

    back = new JButton("BACK");
    back.setBackground(Color.DARK_GRAY);
    back.setForeground(Color.WHITE);
    back.addActionListener(this);
    back.setBounds(420, 500, 120, 30);
    add(back);

    setBounds(300, 200, 1000, 600);
    setVisible(true);

}

public void actionPerformed(ActionEvent ae) {
    setVisible(false);
    new Reception();
```

```
    }

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

Checkout Class

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package hotel.management.system;

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

/**
 *
 * @author Ashutosh
 */
public class Checkout extends JFrame implements ActionListener {

    Choice ccustomer;
    JButton checkout, back;
    JLabel lblroomnumber, lblcheckintime, lblcheckouttime;
```

```
Checkout() {

    getContentPane().setBackground(Color.WHITE);
    setLayout(null);
    setTitle("CHECKOUT");

    JLabel text = new JLabel("CheckOut");
    text.setBounds(100, 20, 100, 30);
    text.setForeground(Color.BLUE);
    text.setFont(new Font("Tahoma", Font.PLAIN, 20));
    add(text);

    JLabel lblid = new JLabel("Customer Id");
    lblid.setBounds(30, 80, 100, 25);
    add(lblid);

    ccustomer = new Choice();
    ccustomer.setBounds(150, 80, 130, 20);
    add(ccustomer);

    ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/tick.png"));
    Image i2 = i1.getImage().getScaledInstance(20, 20, Image.SCALE_DEFAULT);
    ImageIcon i3 = new ImageIcon(i2);
    JLabel tick = new JLabel(i3);
    tick.setBounds(300, 80, 20, 20);
    add(tick);

    JLabel lblroom = new JLabel("Room Number");
    lblroom.setBounds(30, 130, 100, 25);
    add(lblroom);
```

```
lblroomnumber = new JLabel();
lblroomnumber.setBounds(150, 130, 100, 30);
add(lblroomnumber);

JLabel lblcheckin = new JLabel("Checkin Time");
lblcheckin.setBounds(30, 180, 100, 25);
add(lblcheckin);

lblcheckintime = new JLabel();
lblcheckintime.setBounds(150, 180, 180, 30);
add(lblcheckintime);

JLabel lblcheckout = new JLabel("Checkout Time");
lblcheckout.setBounds(30, 230, 100, 25);
add(lblcheckout);

Date date = new Date();
lblcheckouttime = new JLabel("" + date);
lblcheckouttime.setBounds(150, 230, 180, 30);
add(lblcheckouttime);

checkout = new JButton("CHECKOUT");
checkout.setBackground(Color.BLACK);
checkout.setForeground(Color.WHITE);
checkout.addActionListener(this);
checkout.setBounds(30, 280, 120, 30);
add(checkout);

back = new JButton("BACK");
back.setBackground(Color.BLACK);
back.setForeground(Color.WHITE);
```

```
    back.addActionListener(this);
    back.setBounds(170, 280, 120, 30);
    add(back);

    try {
        Conn c = new Conn();
        ResultSet rs = c.s.executeQuery("select * from customer");
        while (rs.next()) {
            ccustomer.add(rs.getString("number"));
            lblroomnumber.setText(rs.getString("room"));
            lblcheckintime.setText(rs.getString("checkintime"));
        }

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

    ImageIcon i4 = new ImageIcon(ClassLoader.getSystemResource("icons/sixth.jpg"));
    Image i5 = i4.getImage().getScaledInstance(400, 250, Image.SCALE_DEFAULT);
    ImageIcon i6 = new ImageIcon(i5);
    JLabel image = new JLabel(i6);
    image.setBounds(350, 50, 400, 250);
    add(image);

    setBounds(300, 200, 800, 400);
    setVisible(true);

}

public void actionPerformed(ActionEvent ae) {
    if (ae.getSource() == checkout) {
```

```
            String query = "delete from customer where number='" + ccustomer.getSelectedItem() + "'";
            String query1 = "update room set availability='Available' where roomnumber='" +
lblroomnumber.getText() + "'";

            try {
                Conn conn = new Conn();
                conn.s.executeUpdate(query);
                conn.s.executeUpdate(query1);

                JOptionPane.showMessageDialog(null, "Checkout Done");

                setVisible(false);
                new Reception();

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

        } else {
            setVisible(false);
            new Reception();
        }
    }

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

}
```

CustomerInfo Class

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package hotel.management.system;

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

/**
 *
 * @author Ashutosh
 */
public class CustomerInfo extends JFrame implements ActionListener {

    JTable table;
    JButton back;

    CustomerInfo() {

        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setTitle("CUSTOMER INFO");

        JLabel l1 = new JLabel("ID Type");
        l1.setBounds(40, 10, 100, 20);
```

```
add(l1);

JLabel l2 = new JLabel("ID Number");
l2.setBounds(170, 10, 100, 20);
add(l2);

JLabel l3 = new JLabel("Name");
l3.setBounds(290, 10, 100, 20);
add(l3);

JLabel l4 = new JLabel("Gender");
l4.setBounds(400, 10, 100, 20);
add(l4);

JLabel l5 = new JLabel("Country");
l5.setBounds(540, 10, 100, 20);
add(l5);

JLabel l6 = new JLabel("Room Number");
l6.setBounds(635, 10, 100, 20);
add(l6);

JLabel l7 = new JLabel("ChekIn Time");
l7.setBounds(770, 10, 100, 20);
add(l7);

JLabel l8 = new JLabel("Deposited");
l8.setBounds(885, 10, 100, 20);
add(l8);

table = new JTable();
```

```
        table.setBounds(0, 40, 1000, 400);
        add(table);

        try {
            Conn c = new Conn();
            ResultSet rs = c.s.executeQuery("select * from customer");
            table.setModel(DbUtils.resultSetToTableModel(rs));
        } catch (Exception e) {
            e.printStackTrace();
        }

        back = new JButton("BACK");
        back.setBackground(Color.DARK_GRAY);
        back.setForeground(Color.WHITE);
        back.addActionListener(this);
        back.setBounds(420, 500, 120, 30);
        add(back);

        setBounds(300, 200, 1000, 600);
        setVisible(true);

    }

    public void actionPerformed(ActionEvent ae) {
        setVisible(false);
        new Reception();

    }

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

```
    }
}
```

Search Room Class

```
package hotel.management.system;

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

public class SearchRoom extends JFrame implements ActionListener {

    JTable table;
    JButton back, submit;
    JComboBox bedType;
    JCheckBox available;

    SearchRoom() {

        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setTitle("SEARCH ROOM");

        JLabel text = new JLabel("Search for Room");
        text.setFont(new Font("Tahoma", Font.PLAIN, 20));
        text.setBounds(420, 30, 200, 30);
        add(text);

        JLabel lblbed = new JLabel("Bed Type");
        lblbed.setBounds(50, 100, 100, 20);
```

```
add(lblbed);

bedType = new JComboBox(new String[]{"Single Bed", "Double Bed"});
bedType.setBounds(150, 100, 150, 25);
bedType.setBackground(Color.WHITE);
add(bedType);

available = new JCheckBox("Only Display Available");
available.setBounds(650, 100, 180, 25);
available.setBackground(Color.WHITE);
add(available);

JLabel l1 = new JLabel("Room Number");
l1.setBounds(50, 160, 100, 20);
add(l1);

JLabel l2 = new JLabel("Availability");
l2.setBounds(250, 160, 100, 20);
add(l2);

JLabel l3 = new JLabel("Cleaning Status");
l3.setBounds(450, 160, 100, 20);
add(l3);

JLabel l4 = new JLabel("Price");
l4.setBounds(670, 160, 100, 20);
add(l4);

JLabel l5 = new JLabel("Bed Type");
l5.setBounds(870, 160, 100, 20);
add(l5);
```

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

    try {
        Conn c = new Conn();
        ResultSet rs = c.s.executeQuery("select * from room");
        table.setModel(DbUtils.resultSetToTableModel(rs));
    } catch (Exception e) {
        e.printStackTrace();
    }

    submit = new JButton("SUBMIT");
    submit.setBackground(Color.DARK_GRAY);
    submit.setForeground(Color.WHITE);
    submit.addActionListener(this);
    submit.setBounds(300, 520, 120, 30);
    add(submit);

    back = new JButton("BACK");
    back.setBackground(Color.DARK_GRAY);
    back.setForeground(Color.WHITE);
    back.addActionListener(this);
    back.setBounds(500, 520, 120, 30);
    add(back);

    setBounds(300, 200, 1000, 600);
    setVisible(true);

}
```

```
    public void actionPerformed(ActionEvent ae) {
        if (ae.getSource() == submit) {


            try {
                String query1 = "select * from room where bed_type = '" + bedType.getSelectedItem() + "'";
                String query2 = "select * from room where availability = 'Available' AND bed_type='" +
bedType.getSelectedItem() + "'";


                Conn conn = new Conn();
                ResultSet r;
                if (available.isSelected()) {
                    r = conn.s.executeQuery(query2);
                } else {
                    r = conn.s.executeQuery(query1);
                }
                table.setModel(DbUtils.resultSetToTableModel(r));


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


        } else {
            setVisible(false);
            new Reception();
        }


    }


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

```
    }
}
```

UpdateCheck Class

```
package hotel.management.system;

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

public class UpdateCheck extends JFrame implements ActionListener {

    Choice ccustomer;
    JTextField tfroom, tfname, tfcheckin, tfpaid, tfpending;
    JButton check, update, back;

    UpdateCheck() {

        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setTitle("UPDATE CHECK");

        JLabel text = new JLabel("Update Status");
        text.setFont(new Font("Tahoma", Font.PLAIN, 20));
        text.setBounds(90, 20, 200, 30);
        text.setForeground(Color.BLUE);
        add(text);

        JLabel lblid = new JLabel("Customer Id");
```

```
lblid.setBounds(30, 80, 100, 20);
add(lblid);

ccustomer = new Choice();
ccustomer.setBounds(200, 80, 150, 20);
add(ccustomer);

try {
    Conn c = new Conn();
    ResultSet rs = c.s.executeQuery("select * from customer");
    while (rs.next()) {
        ccustomer.add(rs.getString("number"));
    }

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

JLabel lblroom = new JLabel("Room Number");
lblroom.setBounds(30, 120, 100, 20);
add(lblroom);

tfroom = new JTextField();
tfroom.setBounds(200, 120, 150, 25);
add(tfroom);

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

tfname = new JTextField();
```

```
tfname.setBounds(200, 160, 150, 25);
add(tfname);

JLabel lblcheckin = new JLabel("CheckIn Time");
lblcheckin.setBounds(30, 200, 160, 20);
add(lblcheckin);

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

JLabel lblpaid = new JLabel("Amount Paid");
lblpaid.setBounds(30, 240, 160, 20);
add(lblpaid);

tfpaid = new JTextField();
tfpaid.setBounds(200, 240, 150, 25);
add(tfpaid);

JLabel lblpending = new JLabel("Amount Pending");
lblpending.setBounds(30, 280, 160, 20);
add(lblpending);

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

check = new JButton("CHECK");
check.setBackground(Color.BLACK);
check.setForeground(Color.WHITE);
check.addActionListener(this);
```

```
    check.setBounds(30, 340, 100, 30);
    add(check);

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

    back = new JButton("BACK");
    back.setBackground(Color.BLACK);
    back.setForeground(Color.WHITE);
    back.addActionListener(this);
    back.setBounds(270, 340, 100, 30);
    add(back);

    ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/nine.jpg"));
    JLabel image = new JLabel(i1);
    image.setBounds(400, 50, 500, 300);
    add(image);

    setBounds(300, 200, 980, 500);
    setVisible(true);

}

public void actionPerformed(ActionEvent ae) {
    if (ae.getSource() == check) {
        String id = ccustomer.getSelectedItem();
        String query = "select * from customer where number='" + id + "'";
```

```
        try {
            Conn c = new Conn();
            ResultSet rs = c.s.executeQuery(query);
            while (rs.next()) {

                tfroom.setText(rs.getString("room"));
                tfname.setText(rs.getString("name"));
                tfcheckin.setText(rs.getString("checkintime"));
                tfpaid.setText(rs.getString("deposit"));

            }
            ResultSet rs2 = c.s.executeQuery("select * from room where roomnumber='" +
tfroom.getText() + "'");
            while (rs2.next()) {
                String price = rs2.getString("price");
                int amountPaid = Integer.parseInt(price) - Integer.parseInt(tfpaid.getText());
                tfpending.setText("" + amountPaid);

            }

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

    } else if (ae.getSource() == update) {
        String number = ccustomer.getSelectedItem();
        String room = tfroom.getText();
        String name = tfname.getText();
        String checkin = tfcheckin.getText();
        String deposit = tfpaid.getText();
```

```
            try {
                Conn c = new Conn();
                c.s.executeUpdate("update customer set room ='" + room + "',name='" + name +
"',checkintime='" + checkin + "',deposit='" + deposit + "'where number ='" + number + "'");

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

                setVisible(false);
                new Reception();

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

        } else {
            setVisible(false);
            new Reception();
        }
    }

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

}
```

UpdateRoom Class

```
package hotel.management.system;

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

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

public class UpdateRoom extends JFrame implements ActionListener {

    Choice ccustomer;
    JTextField tfroom, tfname, tfstatus, tfcheckin, tfpaid, tfpending, tfavailable;
    JButton check, update, back;

    UpdateRoom() {

        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setTitle("UPDATE ROOM");

        JLabel text = new JLabel("Update Room Status");
        text.setFont(new Font("Tahoma", Font.PLAIN, 20));
        text.setBounds(30, 20, 250, 30);
        text.setForeground(Color.BLUE);
        add(text);

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

        ccustomer = new Choice();
        ccustomer.setBounds(200, 80, 150, 20);
        add(ccustomer);

        try {
            Conn c = new Conn();
```

```
    ResultSet rs = c.s.executeQuery("select * from customer");
    while (rs.next()) {
        ccustomer.add(rs.getString("number"));
    }

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

JLabel lblroom = new JLabel("Room Number");
lblroom.setBounds(30, 130, 100, 20);
add(lblroom);

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

JLabel lblname = new JLabel("Availability");
lblname.setBounds(30, 180, 160, 20);
add(lblname);

tfavailable = new JTextField();
tfavailable.setBounds(200, 180, 150, 25);
add(tfavailable);

JLabel lblcheckin = new JLabel("Cleaning Status");
lblcheckin.setBounds(30, 230, 160, 20);
add(lblcheckin);

tfstatus = new JTextField();
tfstatus.setBounds(200, 230, 150, 25);
```

```
add(tfstatus);

check = new JButton("CHECK");
check.setBackground(Color.BLACK);
check.setForeground(Color.WHITE);
check.addActionListener(this);
check.setBounds(30, 300, 100, 30);
add(check);

update = new JButton("UPDATE");
update.setBackground(Color.BLACK);
update.setForeground(Color.WHITE);
update.addActionListener(this);
update.setBounds(150, 300, 100, 30);
add(update);

back = new JButton("BACK");
back.setBackground(Color.BLACK);
back.setForeground(Color.WHITE);
back.addActionListener(this);
back.setBounds(270, 300, 100, 30);
add(back);

ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource("icons/seventh.jpg"));
Image i2 = i1.getImage().getScaledInstance(500, 300, Image.SCALE_DEFAULT);
ImageIcon i3 = new ImageIcon(i2);
JLabel image = new JLabel(i3);
image.setBounds(400, 50, 500, 300);
add(image);

setBounds(300, 200, 980, 450);
```

```
        setVisible(true);

    }

    public void actionPerformed(ActionEvent ae) {
        if (ae.getSource() == check) {
            String id = ccustomer.getSelectedItem();
            String query = "select * from customer where number='" + id + "'";
            try {
                Conn c = new Conn();
                ResultSet rs = c.s.executeQuery(query);
                while (rs.next()) {

                    tfroom.setText(rs.getString("room"));

                }
                ResultSet rs2 = c.s.executeQuery("select * from room where roomnumber='" +
tfroom.getText() + "'");
                while (rs2.next()) {
                    tfavailable.setText(rs2.getString("availability"));
                    tfstatus.setText(rs2.getString("cleaning_status"));

                }

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

        } else if (ae.getSource() == update) {
            String number = ccustomer.getSelectedItem();
            String room = tfroom.getText();
```

```
            String available = tfavailable.getText();
            String status = tfstatus.getText();

            try {
                Conn c = new Conn();
                c.s.executeUpdate("update room set availability ='" + available + "',cleaning_status='" +
status + "'where roomnumber = '" + room + "'");

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

                setVisible(false);
                new Reception();

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

        } else {
            setVisible(false);
            new Reception();
        }
    }

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

}
```

Pickup

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

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.*;
import net.proteanit.sql.*;

public class Pickup extends JFrame implements ActionListener {

    JTable table;
    JButton back, submit;
    Choice typeofcar;
    JCheckBox available;

    Pickup() {

        getContentPane().setBackground(Color.WHITE);
        setLayout(null);
        setTitle("DRIVER INFO");

        JLabel text = new JLabel("PickUp Service");
        text.setFont(new Font("Tahoma", Font.PLAIN, 20));
        text.setBounds(420, 30, 200, 30);
        add(text);

        JLabel lblbed = new JLabel("Type of Car");
        lblbed.setBounds(50, 100, 100, 20);
        add(lblbed);

        typeofcar = new Choice();
        typeofcar.setBounds(150, 100, 200, 25);
```

```
add(typeofcar);

try {
   Conn c = new Conn();
   ResultSet rs = c.s.executeQuery("Select * from driver");
   while (rs.next()) {
      typeofcar.add(rs.getString("brand"));
   }
} catch (Exception e) {
   e.printStackTrace();
}

JLabel l1 = new JLabel("Name");
l1.setBounds(50, 160, 100, 20);
add(l1);

JLabel l2 = new JLabel("Age");
l2.setBounds(200, 160, 100, 20);
add(l2);

JLabel l3 = new JLabel("Gender");
l3.setBounds(330, 160, 100, 20);
add(l3);

JLabel l4 = new JLabel("Company");
l4.setBounds(460, 160, 100, 20);
add(l4);

JLabel l5 = new JLabel("Model");
l5.setBounds(630, 160, 100, 20);
add(l5);
```

```
JLabel l6 = new JLabel("Availability");
l6.setBounds(740, 160, 100, 20);
add(l6);

JLabel l7 = new JLabel("Location");
l7.setBounds(870, 160, 100, 20);
add(l7);

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

try {
   Conn c = new Conn();
   ResultSet rs = c.s.executeQuery("select * from driver");
   table.setModel(DbUtils.resultSetToTableModel(rs));
} catch (Exception e) {
   e.printStackTrace();
}

submit = new JButton("SUBMIT");
submit.setBackground(Color.DARK_GRAY);
submit.setForeground(Color.WHITE);
submit.addActionListener(this);
submit.setBounds(300, 520, 120, 30);
add(submit);

back = new JButton("BACK");
back.setBackground(Color.DARK_GRAY);
back.setForeground(Color.WHITE);
```

```
    back.addActionListener(this);
    back.setBounds(500, 520, 120, 30);
    add(back);

    setBounds(300, 200, 1000, 600);
    setVisible(true);

}

public void actionPerformed(ActionEvent ae) {
    if (ae.getSource() == submit) {

        try {
            String query1 = "select * from driver where brand = '" + typeofcar.getSelectedItem() + "'";

            Conn conn = new Conn();
            ResultSet r;
            r = conn.s.executeQuery(query1);

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

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

    } else {
        setVisible(false);
        new Reception();
    }

}
```

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

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. Approx 4.4 million tourists visit our country every year. The growth of 20% has been recorded in the tourist and hospitality industry over a few years and more growth is expected in coming years. At present, there are about 200 millions of jobs available in the industry, out of which 20% of the job opportunities are in India.

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

Conclusion

In this project we have tried my 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 I have tried to meet most of the requirements of the present hotel management system including maintaining details of customers, rooms, employees and drivers. I also keep provision to update the details of customers, rooms and employees. In my effort I have tried to make my software all the more user friendly but there may some features which I would like to include in my continuous attempts