Cavite State University

Imus Campus

Department of Computer Studies

Bachelor of Science in Computer Science

DCIT 50A - Object Oriented Programming

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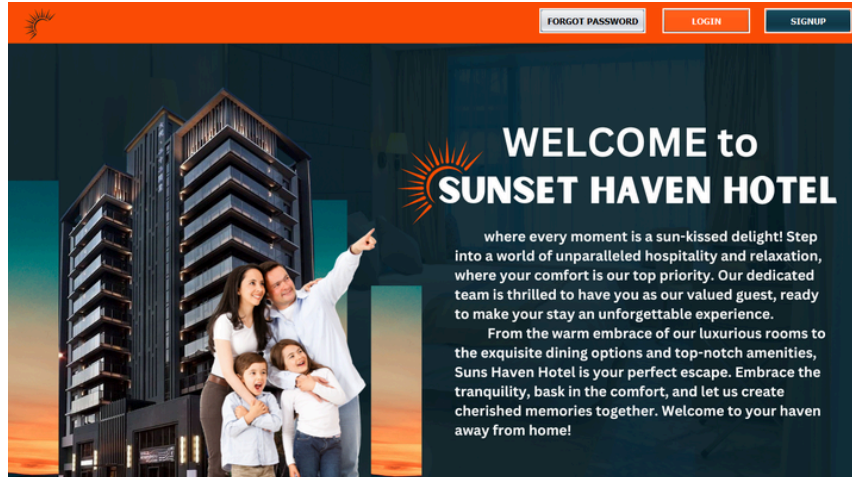
HOTEL MANAGEMENT SYSTEM

I. INTRODUCTION

A Hotel Management System (HMS) is a sophisticated software solution designed to streamline and automate the day-to-day operations of hotels and resorts. It integrates various functionalities to manage reservations, front desk operations, accounting, billing, guest management, and more. The system serves as the central nervous system of the hotel, orchestrating processes such as room bookings, guest interactions, financial transactions, and inventory management. With a focus on enhancing guest experiences, ensuring operational efficiency, and safeguarding sensitive data, the HMS plays a pivotal role in driving success and prosperity in the hospitality industry.

## II. DISCUSSION OF THE SYSTEM FLOW

1. WELCOME PAGE

The welcome page of the website is the first point of entry, providing a brief introduction to the site's purpose, features, and content. It aims to engage customers and guide them further into the site.

2. SIGN IN / LOGIN PAGE / FORGOT PASSWORD PAGE

The signup, login, and forgot password pages are integral parts of the website's customer authentication and account management system. The signup page allows new customers to create accounts by providing basic information. The login page permits existing customers to access their accounts using their credentials. In case of forgotten login details, the forgot password page facilitates password reset.
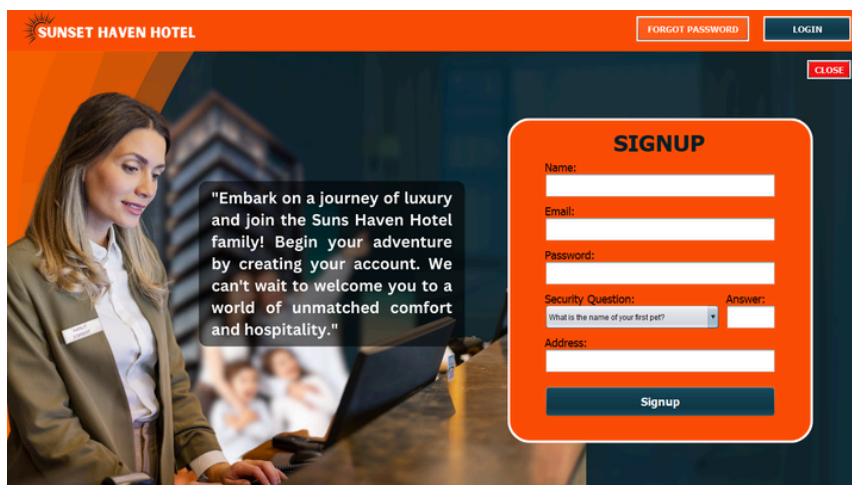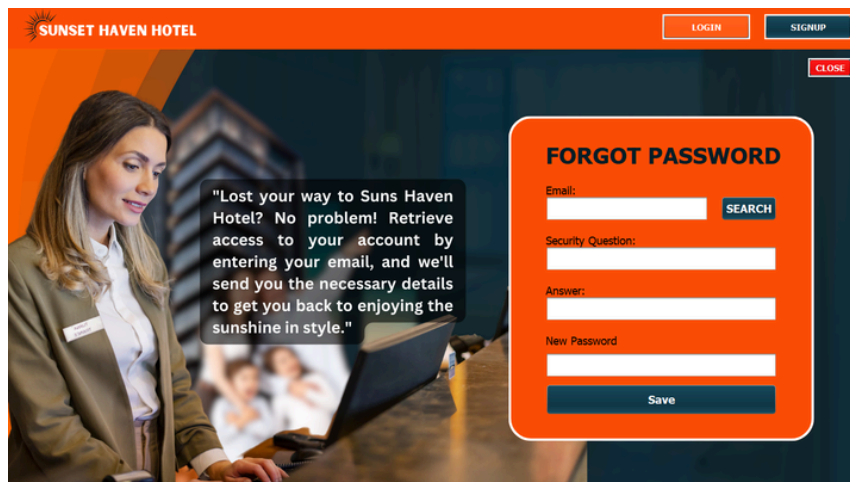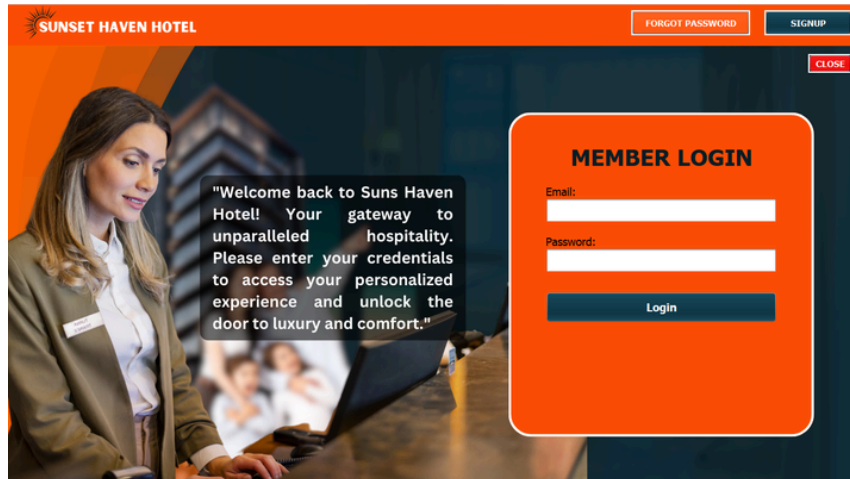
3. ADMIN PAGE

The admin page of the website is a secure area for authorized staff to manage content, users, settings, and analytics, enabling tasks like content editing, user moderation, account management, configuration adjustments, and performance tracking.
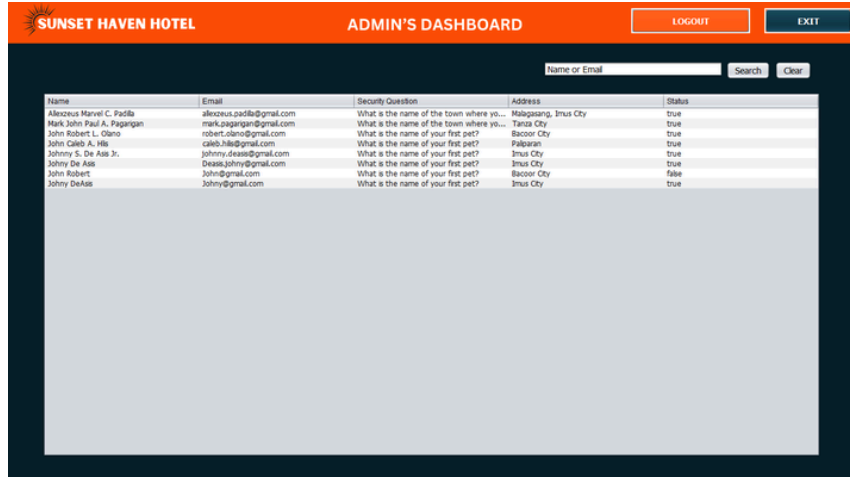
4. **HOME PAGE / MAIN PAGE**

The home page of the website is the main landing page of the customers after logging in. It provides essential information and navigation links to help the customers explore further.
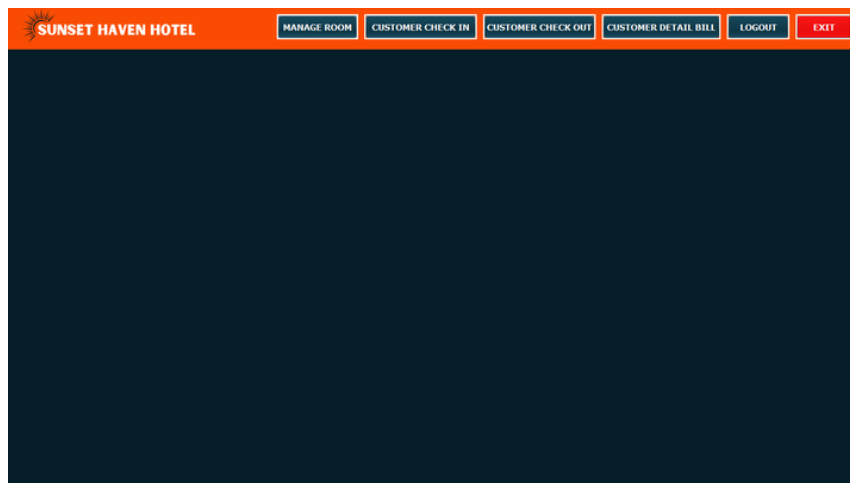
5. **CREATE, RUDE, UPDATE, & DELETE PAGES**

These pages facilitate customer interactions with the hotel's reservation system. Customers can create reservations, input personal information for check-in, and choose available rooms. Additionally, they can check out independently and receive a copy of their bill during their stay.

SUNSET HAVEN HOTEL

MANAGE ROOM | **CUSTOMER CHECK IN** | **CUSTOMER CHECK OUT** | **CUSTOMER DETAIL BILL** | **LOGOUT** | **EXIT**

MANAGE ROOM

roomNo	Room Type	Bed	Price	Status
102	Non-AC	Single	700	Not Booked
103	AC	Double	1500	Not Booked
201	AC	Triple	2500	Not Booked
202	Non-AC	Triple	2200	Not Booked
105	AC	Triple	2500	Not Booked
106	Non-AC	Triple	2200	Not Booked
104	Non-AC	Double	1200	Not Booked
111	Non-AC	Single	700	Not Booked

Room Number:

Room Type:
AC

Bed:
Single

Price:

Add Room

Delete Room

SUNSET HAVEN HOTEL

MANAGE ROOM | **CUSTOMER CHECK IN** | **CUSTOMER CHECK OUT** | **CUSTOMER DETAIL BILL** | **LOGOUT** | **EXIT**

CUSTOMER CHECK IN

Name:

Mobile Number:

Nationality

Gender:
Male

Email

ID Proof:

Address:

Check In Date (Today)
2024/02/05

Bed:
Single

Room Type:
AC

Room Number:

Price:

Alote Room | **Clear**

SUNSET HAVEN HOTEL

MANAGE ROOM | **CUSTOMER CHECK IN** | **CUSTOMER CHECK OUT** | **CUSTOMER DETAIL BILL** | **LOGOUT** | **EXIT**

CUSTOMER CHECK OUT

103 | Search

Customer Name:
Mark John Pagarigan

Check IN Date:
2024/02/05

Check Out Date (Today):
2024/02/05

Customer Mobile Number:
09973217000

Check Out

Price Per Day:
1500

Number of Days Stay:
1

Total Amount to Collect from Customer:
1500.0

Email:
Mark@gmail.com

Clear

ID	Name	Mobile Num...	Nationality	Gender	Email	ID Proof	Address	CheckIn Date	Room Num...	Bed	Room Type	Price Per Day
4	Mark John P...	09973217000	Filipino	Male	Mark@gmail...	20240001000	Tanza City	2024/02/05	103	Double	AC	1500
5	Rovick Padilla	09972105000	Filipino	Male	Rovick@gm...	20212004000	Bacoor City	2024/02/05	104	Double	Non-AC	1200

6. WAYBILL

This additional function on our website allows customers to obtain a copy of their bill upon checking out during their stay. Upon completion of the check-out process, the system redirects customers to a file containing their bill copy for their records.

III. COMPILATION OF THE SOURCE CODE

ConnectionProvider:

/*

```java
 *   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 project;
import java.sql.*;


/**
 *
 * @author Personal
 */
public class ConnectionProvider {
    public static Connection getCon(){
        try
        {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","H7bOTK3YpwdTA5F");
            return con;
        }
        catch(Exception e)
```

```
        {

            return null;

        }

    }


}
```

InsertUpdateDelete

```java
/*

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 */

package project;

import java.sql.*;

import javax.swing.JOptionPane;


/**

 *

 * @author Personal

 */

public class InsertUpdateDelete {

    public static void setData(String Query,String msg)
```

```java
{
    Connection con=null;

    Statement st=null;

    try

    {

        con=ConnectionProvider.getCon();

        st=con.createStatement();

        st.executeUpdate(Query);

        if(!msg.equals(""))

            JOptionPane.showMessageDialog(null,msg);

    }

    catch(Exception e)

    {

        JOptionPane.showMessageDialog(null, e);

    }

    finally

    {

        try

    {}

    catch(Exception e)

    {}
```

```
        }

    }



}
```

Select

```
/*
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change this license
 * Click   nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java   to   edit   this
template
 */
package project;
import java.sql.*;
import javax.swing.JOptionPane;


/**
 *
 * @author Personal
 */
public class Select {
    public static ResultSet getData(String query)
    {
        Connection con=null;
```

```java
        Statement st=null;

        ResultSet rs=null;

        try

        {

            con=ConnectionProvider.getCon();

            st=con.createStatement();

            rs=st.executeQuery(query);

            return rs;


        }

        catch(Exception e)

        {

            JOptionPane.showMessageDialog(null, e);

            return null;


        }

    }


}
```

tables.java

```java
/*

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change this license
```

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

import java.sql.*;

import javax.swing.JOptionPane;

/**
 *
 * @author Personal
 */
public class tables {
    public static void main(String[] args)
    {
        Connection con=null;
        Statement st=null;
        try
        {
            con=ConnectionProvider.getCon();
            st=con.createStatement();
                    st.executeUpdate("create  table  users(name  varchar(200),email  varchar
(200),password varchar(50),securityQuestion varchar (500),answer varchar(200),address
varchar (200), status varchar(20))");
```

```java
        st.executeUpdate("create table room(roomNo varchar(10),roomType varchar

(200),bed varchar(200),price int,status varchar(20))");

        st.executeUpdate("create table customer(id int,name varchar (200),mobileNumber

varchar(20),nationality    varchar(200),gender    varchar(50),email    varchar(200),idProof

varchar(200),address    varchar(500),checkIn    varchar(50),roomNo    varchar(10),bed

varchar(200),roomType        varchar(200),pricePerDay        int(10),numberOfDaysStay

int(10),totalAmount varchar(200),checkout varchar(50))");

        JOptionPane.showMessageDialog(null,"Table Created Successfully");

    }

    catch(Exception e)

    {

        JOptionPane.showMessageDialog(null, e);

    }

    finally

    {

        try

    {

        con.close();

        st.close();

    }

    catch(Exception e)

    {}
```

```
        }



    }



}
```

Mainpage.java

```
/*

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template

 */



/**

 *

 * @author Admin

 */

public class Mainpage extends javax.swing.JFrame {



    /**

     * Creates new form homepage

     */

    public Mainpage() {
```

```java
        initComponents();

    }


    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {


        jButton2 = new javax.swing.JButton();

        jButton1 = new javax.swing.JButton();

        jButton3 = new javax.swing.JButton();

        jLabel1 = new javax.swing.JLabel();


        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        setUndecorated(true);

        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());


        jButton2.setBackground(new java.awt.Color(7, 31, 40));

        jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
```

```java
jButton2.setForeground(new java.awt.Color(255, 255, 255));

jButton2.setText("SIGNUP");

            jButton2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

jButton2.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jButton2ActionPerformed(evt);

    }

});

                        getContentPane().add(jButton2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1210, 10, 140, 40));


jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton1.setText("FORGOT PASSWORD");

            jButton1.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

jButton1.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jButton1ActionPerformed(evt);

    }

});

                        getContentPane().add(jButton1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(850, 10, 170, 40));
```

```java
jButton3.setBackground(new java.awt.Color(253, 79, 5));

jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton3.setForeground(new java.awt.Color(255, 255, 255));

jButton3.setText("LOGIN");

            jButton3.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

                        getContentPane().add(jButton3,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1047, 10, 140, 40));


jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Copy of Suns
Haven Hotels (3).png"))); // NOI18N

                        getContentPane().add(jLabel1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1366, 768));


pack();
}// </editor-fold>
```

```java
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    setVisible(false);

    new Forgotpass().setVisible(true);

}


private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    setVisible(false);

    new Signup().setVisible(true);

}


private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

        setVisible(false);

    new Login().setVisible(true);

}


/**
 * @param args the command line arguments
 */
public static void main(String args[]) {

    /* Set the Nimbus look and feel */
```

```java
//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">

/* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.

                                        *       For       details       see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
*/
try {

        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {

    if ("Nimbus".equals(info.getName())) {

        javax.swing.UIManager.setLookAndFeel(info.getClassName());

        break;

    }

}

} catch (ClassNotFoundException ex) {


java.util.logging.Logger.getLogger(Mainpage.class.getName()).log(java.util.logging.Lev
el.SEVERE, null, ex);
} catch (InstantiationException ex) {


java.util.logging.Logger.getLogger(Mainpage.class.getName()).log(java.util.logging.Lev
el.SEVERE, null, ex);
```

```java
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Mainpage.class.getName()).log(java.util.logging.Lev

el.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Mainpage.class.getName()).log(java.util.logging.Lev

el.SEVERE, null, ex);

        }
        //</editor-fold>
        //</editor-fold>


        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Mainpage().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
```

```java
    private javax.swing.JButton jButton3;

    private javax.swing.JLabel jLabel1;

    // End of variables declaration

}
```

Login.java

```java
import javax.swing.JOptionPane;

import java.sql.*;

import project.Select;


/*

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template

 */


/**

 *

 * @author Admin

 */
```

```java
public class Login extends javax.swing.JFrame {

    /**
     * Creates new form Login
     */
    public Login() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
```

```java
jPasswordField1 = new javax.swing.JPasswordField();

jButton5 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton6 = new javax.swing.JButton();

jLabel4 = new javax.swing.JLabel();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

setUndecorated(true);

getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());


jLabel1.setFont(new java.awt.Font("Tahoma", 1, 36)); // NOI18N

jLabel1.setForeground(new java.awt.Color(7, 31, 40));

jLabel1.setText("MEMBER LOGIN");

                                        getContentPane().add(jLabel1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(900, 220, 300, 50));


jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel2.setText("Email:");

                                        getContentPane().add(jLabel2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 280, 190, 40));


jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel3.setText("Password:");
```

```java
                                                getContentPane().add(jLabel3,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 360, 210, 40));


    jTextField1.addActionListener(new java.awt.event.ActionListener() {

      public void actionPerformed(java.awt.event.ActionEvent evt) {

        jTextField1ActionPerformed(evt);

      }

    });

                                        getContentPane().add(jTextField1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 310, 370, 40));


    jButton1.setBackground(new java.awt.Color(7, 31, 40));

    jButton1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N

    jButton1.setForeground(new java.awt.Color(255, 255, 255));

    jButton1.setBorder(javax.swing.BorderFactory.createEmptyBorder(1, 1, 1, 1));

    jButton1.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));

    jButton1.setLabel("Login");

    jButton1.addActionListener(new java.awt.event.ActionListener() {

      public void actionPerformed(java.awt.event.ActionEvent evt) {

        jButton1ActionPerformed(evt);

      }

    });
```

```java
                                        getContentPane().add(jButton1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 460, 370, 50));

                                        getContentPane().add(jPasswordField1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 390, 370, 40));


    jButton5.setBackground(new java.awt.Color(253, 79, 5));

    jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

    jButton5.setForeground(new java.awt.Color(255, 255, 255));

    jButton5.setText("FORGOT PASSWORD");

                jButton5.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

    jButton5.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton5ActionPerformed(evt);

        }

    });

                                        getContentPane().add(jButton5,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(997, 10, 190, 40));


    jButton2.setBackground(new java.awt.Color(204, 0, 0));

    jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

    jButton2.setForeground(new java.awt.Color(255, 255, 255));

    jButton2.setText("CLOSE");
```

```java
            jButton2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));
    jButton2.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
      }
    });

                                getContentPane().add(jButton2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1280, 80, 70, 30));


    jButton6.setBackground(new java.awt.Color(7, 31, 40));
    jButton6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jButton6.setForeground(new java.awt.Color(255, 255, 255));
    jButton6.setText("SIGNUP");
            jButton6.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));
    jButton6.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
      }
    });

                                getContentPane().add(jButton6,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1210, 10, 140, 40));
```

```java
        jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Copy of
Copy of Suns Haven Hotels (3).png"))); // NOI18N

                                        getContentPane().add(jLabel4,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, -10, -1, 790));


    pack();
  }// </editor-fold>


  private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int check=0;
    String email=jTextField1.getText();
    String password=jPasswordField1.getText();
    if(email.equals("")|| password.equals(""))
    {
      check=1;
      JOptionPane.showMessageDialog(null, "Every Field Is Required");
    }
    else if(email.equals("admin")&& password.equals("admin123"))
    {
      check=1;
      setVisible(false);
```

```java
            new Admin().setVisible(true);

        }

        else

        {

            ResultSet rs=Select.getData("select *from users where email='"+email+"' and password='"+password+"'");

        try

        {

          if(rs.next())

          {

            check=1;

            if(rs.getString(7).equals("true"))

            {

                setVisible(false);

                new Home().setVisible(true);

            }

            else

                JOptionPane.showMessageDialog(null,"Wait for Admin Approval");

          }


        }

        catch(Exception e)

        {
```

```java
            JOptionPane.showMessageDialog(null,e);

        }

        }

    if(check==0)

        JOptionPane.showMessageDialog(null,"Incorrect Email or Password");

}


private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}


private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    setVisible(false);

    new Forgotpass().setVisible(true);

}


private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    setVisible(false);

    new Signup().setVisible(true);

}
```

```java
    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

            int a=JOptionPane.showConfirmDialog(null,"Do you really want to close
Application","Select", JOptionPane.YES_NO_OPTION);

        if (a==0)

            System.exit(0);

    }


    /**

     * @param args the command line arguments

     */

    public static void main(String args[]) {

        /* Set the Nimbus look and feel */

        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">

        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.

                                                * For      details      see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

         */

        try {

                            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
```

```java
            if ("Nimbus".equals(info.getName())) {

                javax.swing.UIManager.setLookAndFeel(info.getClassName());

                break;

            }

        }

    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);

    }
    //</editor-fold>
```

```java
    /* Create and display the form */

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

        public void run() {

            new Login().setVisible(true);

        }

    });

}


// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton5;

private javax.swing.JButton jButton6;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JPasswordField jPasswordField1;

private javax.swing.JTextField jTextField1;

// End of variables declaration

}
```

Signup.java

```java
import javax.swing.JOptionPane;

import project.InsertUpdateDelete;


/*

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

change this license

 * Click  nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java  to edit this

template

 */


/**

 *

 * @author Admin

 */

public class Signup extends javax.swing.JFrame {


    /**

     * Creates new form Signup

     */

    public Signup() {
```

```java
    initComponents();

}


/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel2 = new javax.swing.JLabel();

    jLabel8 = new javax.swing.JLabel();

    jTextField1 = new javax.swing.JTextField();

    jLabel3 = new javax.swing.JLabel();

    jTextField2 = new javax.swing.JTextField();

    jLabel4 = new javax.swing.JLabel();

    jButton3 = new javax.swing.JButton();

    jPasswordField1 = new javax.swing.JPasswordField();

    jLabel5 = new javax.swing.JLabel();

    jComboBox1 = new javax.swing.JComboBox<>();

    jLabel6 = new javax.swing.JLabel();
```

```java
jTextField3 = new javax.swing.JTextField();

jLabel7 = new javax.swing.JLabel();

jTextField4 = new javax.swing.JTextField();

jButton4 = new javax.swing.JButton();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

setUndecorated(true);

getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());


jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel2.setText("Name:");

                                getContentPane().add(jLabel2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 240, -1, -1));


jLabel8.setFont(new java.awt.Font("Tahoma", 1, 36)); // NOI18N

jLabel8.setForeground(new java.awt.Color(7, 31, 40));

jLabel8.setText("SIGNUP");

                                getContentPane().add(jLabel8,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(970, 190, -1, -1));
```

```java
jTextField1.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jTextField1ActionPerformed(evt);

    }

});

                                    getContentPane().add(jTextField1,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(860, 260, 370, 40));


jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel3.setText("Email:");

                                    getContentPane().add(jLabel3,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(860, 310, -1, -1));


jTextField2.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jTextField2ActionPerformed(evt);

    }

});

                                    getContentPane().add(jTextField2,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(860, 330, 370, 40));


jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel4.setText("Password:");
```

```java
                                    getContentPane().add(jLabel4,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(860, 380, -1, -1));


    jButton3.setBackground(new java.awt.Color(7, 31, 40));

    jButton3.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N

    jButton3.setForeground(new java.awt.Color(255, 255, 255));

    jButton3.setText("Signup");

    jButton3.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton3ActionPerformed(evt);

        }

    });

                                    getContentPane().add(jButton3,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(860, 600, 370, 50));

                                    getContentPane().add(jPasswordField1,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(860, 400, 370, 40));


    jLabel5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel5.setText("Security Question:");

                                    getContentPane().add(jLabel5,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(860, 450, -1, -1));
```

```java
        jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[]
{ "What is the name of your first pet?", "What was your first car?", "What elementary
school did you attend?", "What is the name of the town where you were born?" }));
        jComboBox1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jComboBox1ActionPerformed(evt);
            }
        });
                                getContentPane().add(jComboBox1,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 470, 280, 40));


        jLabel6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel6.setText("Answer:");
                                getContentPane().add(jLabel6,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(1150, 450, -1, -1));


        jTextField3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField3ActionPerformed(evt);
            }
        });
                                getContentPane().add(jTextField3,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(1150, 470, 80, 40));
```

```java
        jLabel7.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

        jLabel7.setText("Address:");

        getContentPane().add(jLabel7,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 520, -1, -1));


        jTextField4.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jTextField4ActionPerformed(evt);

            }

        });

        getContentPane().add(jTextField4,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 540, 370, 40));


        jButton4.setBackground(new java.awt.Color(204, 0, 0));

        jButton4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

        jButton4.setForeground(new java.awt.Color(255, 255, 255));

        jButton4.setText("CLOSE");

                jButton4.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

        jButton4.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton4ActionPerformed(evt);
```

```java
            }
        });

                                    getContentPane().add(jButton4,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1280, 80, 70, 30));


        jButton1.setBackground(new java.awt.Color(253, 79, 5));

        jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

        jButton1.setForeground(new java.awt.Color(255, 255, 255));

        jButton1.setText("FORGOT PASSWORD");

                    jButton1.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

        jButton1.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton1ActionPerformed(evt);

            }

        });

                                    getContentPane().add(jButton1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1007, 10, 180, 40));


        jButton2.setBackground(new java.awt.Color(7, 31, 40));

        jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

        jButton2.setForeground(new java.awt.Color(255, 255, 255));

        jButton2.setText("LOGIN");
```

```java
            jButton2.setBorder(javax.swing.BorderFactory.createLineBorder(new

java.awt.Color(255, 255, 255), 2));

        jButton2.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton2ActionPerformed(evt);

            }

        });

                                    getContentPane().add(jButton2,      new

org.netbeans.lib.awtextra.AbsoluteConstraints(1210, 10, 140, 40));


        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Copy of

Copy of Suns Haven Hotels (4).png"))); // NOI18N

                                        getContentPane().add(jLabel1,     new

org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1366, 768));


        pack();
    }// </editor-fold>

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

        setVisible(false);

        new Login().setVisible(true);

    }
```

```java
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    setVisible(false);

    new Forgotpass().setVisible(true);

}


private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}


private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}


private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}


private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}
```

```java
    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }


    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
            int a=JOptionPane.showConfirmDialog(null,"Do you really want to close
Application","Select", JOptionPane.YES_NO_OPTION);
        if (a==0)
            System.exit(0);
    }


    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String name=jTextField1.getText();
        String email=jTextField2.getText();
        String password=jPasswordField1.getText();
        String securityQuestion=(String)jComboBox1.getSelectedItem();
        String answer=jTextField3.getText();
        String address=jTextField4.getText();

if(name.equals("")||email.equals("")||password.equals("")||answer.equals("")||address.equa
ls(""))
```

```java
        JOptionPane.showMessageDialog(null,"Every Field Is Required");

    else

    {

    String Query;

                                        Query="insert        into        users
values('"+name+"','"+email+"','"+password+"','"+securityQuestion+"','"+answer+"','"+ad
dress+"','false')";

        InsertUpdateDelete.setData(Query,"Registered Successfully");

        setVisible(false);

        new Signup().setVisible(true);

    }

}


    /**

     * @param args the command line arguments
     */

    public static void main(String args[]) {

        /* Set the Nimbus look and feel */

        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">

        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
```

```java
     * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
                        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Signup.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Signup.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Signup.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
```

```java
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Signup.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Signup().setVisible(true);
            }
        });
    }


    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;

    private javax.swing.JButton jButton2;

    private javax.swing.JButton jButton3;

    private javax.swing.JButton jButton4;

    private javax.swing.JComboBox<String> jComboBox1;

    private javax.swing.JLabel jLabel1;

    private javax.swing.JLabel jLabel2;
```

```java
    private javax.swing.JLabel jLabel3;

    private javax.swing.JLabel jLabel4;

    private javax.swing.JLabel jLabel5;

    private javax.swing.JLabel jLabel6;

    private javax.swing.JLabel jLabel7;

    private javax.swing.JLabel jLabel8;

    private javax.swing.JPasswordField jPasswordField1;

    private javax.swing.JTextField jTextField1;

    private javax.swing.JTextField jTextField2;

    private javax.swing.JTextField jTextField3;

    private javax.swing.JTextField jTextField4;

    // End of variables declaration

}
```

Forgotpass.java

```java
import javax.swing.JOptionPane;

import java.sql.*;

import project.*;


/*
```

/**

 *

 * @author Admin

 */

public class Forgotpass extends javax.swing.JFrame {

  /**

   * Creates new form Forgotpass

   */

  public Forgotpass() {

    initComponents();

  }

  String email;

  /**

   * This method is called from within the constructor to initialize the form.

   * WARNING: Do NOT modify this code. The content of this method is always

```java
 * regenerated by the Form Editor.
 */

@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {


    jTextField1 = new javax.swing.JTextField();

    jLabel5 = new javax.swing.JLabel();

    jTextField2 = new javax.swing.JTextField();

    jTextField3 = new javax.swing.JTextField();

    jLabel7 = new javax.swing.JLabel();

    jLabel3 = new javax.swing.JLabel();

    jLabel8 = new javax.swing.JLabel();

    jButton1 = new javax.swing.JButton();

    jButton4 = new javax.swing.JButton();

    jButton5 = new javax.swing.JButton();

    jLabel2 = new javax.swing.JLabel();

    jButton3 = new javax.swing.JButton();

    jButton2 = new javax.swing.JButton();

    jPasswordField1 = new javax.swing.JPasswordField();

    jLabel1 = new javax.swing.JLabel();


    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```java
setUndecorated(true);

getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField1ActionPerformed(evt);
    }
});

getContentPane().add(jTextField1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 300, 260, 40));

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel5.setText("Security Question:");

getContentPane().add(jLabel5, new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 360, -1, -1));

jTextField2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField2ActionPerformed(evt);
    }
});

getContentPane().add(jTextField2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 380, 370, 40));
```

```java
jTextField3.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jTextField3ActionPerformed(evt);

    }

});
                                                getContentPane().add(jTextField3,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 460, 370, 40));


    jLabel7.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel7.setText("Answer:");
                                                getContentPane().add(jLabel7,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 440, -1, -1));


    jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel3.setText("Email:");
                                                getContentPane().add(jLabel3,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 280, -1, -1));


    jLabel8.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel8.setText("New Password");
                                                getContentPane().add(jLabel8,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 520, -1, -1));
```

```java
jButton1.setBackground(new java.awt.Color(7, 31, 40));

jButton1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N

jButton1.setForeground(new java.awt.Color(255, 255, 255));

jButton1.setText("SEARCH");

jButton1.setBorder(javax.swing.BorderFactory.createEmptyBorder(1, 1, 1, 1));

jButton1.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));

jButton1.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jButton1ActionPerformed(evt);

    }

});

                                getContentPane().add(jButton1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1140, 300, 90, 40));


jButton4.setBackground(new java.awt.Color(253, 79, 5));

jButton4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton4.setForeground(new java.awt.Color(255, 255, 255));

jButton4.setText("LOGIN");

            jButton4.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

jButton4.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```java
                        jButton4ActionPerformed(evt);

            }

        });

                                        getContentPane().add(jButton4,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1047, 10, 140, 40));


        jButton5.setBackground(new java.awt.Color(7, 31, 40));

        jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

        jButton5.setForeground(new java.awt.Color(255, 255, 255));

        jButton5.setText("SIGNUP");

                        jButton5.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

        jButton5.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton5ActionPerformed(evt);

            }

        });

                                        getContentPane().add(jButton5,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1210, 10, 140, 40));


        jLabel2.setFont(new java.awt.Font("Tahoma", 1, 36)); // NOI18N

        jLabel2.setForeground(new java.awt.Color(7, 31, 40));

        jLabel2.setText("FORGOT PASSWORD");
```

```java
                                        getContentPane().add(jLabel2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 210, 380, 50));


    jButton3.setBackground(new java.awt.Color(204, 0, 0));

    jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

    jButton3.setForeground(new java.awt.Color(255, 255, 255));

    jButton3.setText("CLOSE");

            jButton3.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

    jButton3.addActionListener(new java.awt.event.ActionListener() {

      public void actionPerformed(java.awt.event.ActionEvent evt) {

        jButton3ActionPerformed(evt);

      }

    });

                                        getContentPane().add(jButton3,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1280, 80, 70, 30));


    jButton2.setBackground(new java.awt.Color(7, 31, 40));

    jButton2.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N

    jButton2.setForeground(new java.awt.Color(255, 255, 255));

    jButton2.setText("Save");

    jButton2.setBorder(javax.swing.BorderFactory.createEmptyBorder(1, 1, 1, 1));

    jButton2.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
```

```java
        jButton2.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton2ActionPerformed(evt);

            }

        });

        getContentPane().add(jButton2,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 600, 370, 50));


        jPasswordField1.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N

        getContentPane().add(jPasswordField1,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 550, 370, 40));


        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Copy of
Copy of Suns Haven Hotels (2).png"))); // NOI18N

        jLabel1.setText("jLabel1");

        getContentPane().add(jLabel1,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));


        pack();

    }// </editor-fold>


    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:
```

```java
    }


    private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }


    private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }


    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

        int check=0;

        email=jTextField1.getText();

        if(email.equals(""))

        {

            check=1;

            JOptionPane.showMessageDialog(null,"Email Field is Required");

        }

        else

        {

            ResultSet rs=Select.getData("select *from users where email='"+email+"'");

            try
```

```java
        {

            if(rs.next()){

            check=1;

            jTextField2.setEditable(false);

            jTextField1.setEditable(false);

            jTextField2.setText(rs.getString(4));

            }

        }

        catch(Exception e)

        {

            JOptionPane.showMessageDialog(null, e);

        }

    }

    if(check==0)

    {

        JOptionPane.showMessageDialog(null,"Incorrect Email");

    }

}


private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
        int a=JOptionPane.showConfirmDialog(null,"Do you really want to close
Application","Select", JOptionPane.YES_NO_OPTION);
```

```java
    if (a==0)

    System.exit(0);

}


private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    setVisible(false);

    new Login().setVisible(true);

}


private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    setVisible(false);

    new Signup().setVisible(true);


}


private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    int check=0;

    String securityQuestion=jTextField2.getText();

    String answer=jTextField3.getText();

    String newPassword=jPasswordField1.getText();
```

```java
if(answer.equals("")|| newPassword.equals(""))

{

  check=1;

  JOptionPane.showMessageDialog(null,"All Field is Required");

}

else

{

    ResultSet rs=Select.getData("select *from users where email='"+email+"' and securityQuestion='"+securityQuestion+"'and answer='"+answer+"'");

  try

  {

    if(rs.next())

    {

      check=1;

        InsertUpdateDelete.setData("update users set password='"+newPassword+"' where email='"+email+"'","Password Set Successfully");

      setVisible(false);

      new Forgotpass().setVisible(true);

    }

  }

  catch(Exception e)

  {

    JOptionPane.showMessageDialog(null, e);
```

```java
            }

        }

        if (check==0)

        {

            JOptionPane.showMessageDialog(null, "Incorrect Answer");

        }


    }


    /**

     * @param args the command line arguments
     */

    public static void main(String args[]) {

        /* Set the Nimbus look and feel */

        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">

        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.

                                                *    For    details    see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

         */

        try {
```

```java
                        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {

        if ("Nimbus".equals(info.getName())) {

            javax.swing.UIManager.setLookAndFeel(info.getClassName());

            break;

        }

    }

} catch (ClassNotFoundException ex) {


java.util.logging.Logger.getLogger(Forgotpass.class.getName()).log(java.util.logging.Lev
el.SEVERE, null, ex);

} catch (InstantiationException ex) {


java.util.logging.Logger.getLogger(Forgotpass.class.getName()).log(java.util.logging.Lev
el.SEVERE, null, ex);

} catch (IllegalAccessException ex) {


java.util.logging.Logger.getLogger(Forgotpass.class.getName()).log(java.util.logging.Lev
el.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {


java.util.logging.Logger.getLogger(Forgotpass.class.getName()).log(java.util.logging.Lev
el.SEVERE, null, ex);
```

```java
    }

    //</editor-fold>


    /* Create and display the form */

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

        public void run() {

            new Forgotpass().setVisible(true);

        }

    });

}


// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton4;

private javax.swing.JButton jButton5;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;
```

```java
    private javax.swing.JPasswordField jPasswordField1;

    private javax.swing.JTextField jTextField1;

    private javax.swing.JTextField jTextField2;

    private javax.swing.JTextField jTextField3;

    // End of variables declaration

}
```

admin.java

```java
import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

import project.*;

import java.sql.*;

import javax.swing.table.TableModel;


/*

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

 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this
template

 */
```

```java
/**
 *
 * @author Admin
 */
public class Admin extends javax.swing.JFrame {


    /**
     * Creates new form Admin
     */
    public Admin() {

        initComponents();

    }


    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {


        jLabel1 = new javax.swing.JLabel();
```

```java
jButton5 = new javax.swing.JButton();

jButton6 = new javax.swing.JButton();

jTextField1 = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jLabel2 = new javax.swing.JLabel();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

setUndecorated(true);

addComponentListener(new java.awt.event.ComponentAdapter() {

    public void componentShown(java.awt.event.ComponentEvent evt) {

        formComponentShown(evt);

    }

});

getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

                                    getContentPane().add(jLabel1,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(288, 89, -1, -1));


jButton5.setBackground(new java.awt.Color(253, 79, 5));

jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton5.setForeground(new java.awt.Color(255, 255, 255));
```

```java
        jButton5.setText("LOGOUT");

                    jButton5.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));
        jButton5.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton5ActionPerformed(evt);
            }
        });

                                    getContentPane().add(jButton5,          new
org.netbeans.lib.awtextra.AbsoluteConstraints(997, 10, 190, 40));


        jButton6.setBackground(new java.awt.Color(7, 31, 40));

        jButton6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

        jButton6.setForeground(new java.awt.Color(255, 255, 255));

        jButton6.setText("EXIT");

                    jButton6.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));
        jButton6.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton6ActionPerformed(evt);
            }
        });
```

```java
                                          getContentPane().add(jButton6,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(1210, 10, 140, 40));


        jTextField1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

        jTextField1.setText("Name or Email");

        jTextField1.setToolTipText("");

        jTextField1.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT_CURSOR));

        jTextField1.setName(""); // NOI18N

        jTextField1.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jTextField1ActionPerformed(evt);

            }

        });

                                          getContentPane().add(jTextField1,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(857, 95, 286, 24));

        jTextField1.getAccessibleContext().setAccessibleName("");


        jButton1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

        jButton1.setText("Search");

        jButton1.addComponentListener(new java.awt.event.ComponentAdapter() {

            public void componentShown(java.awt.event.ComponentEvent evt) {

                jButton1ComponentShown(evt);

            }
```

```java
        });

        jButton1.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton1ActionPerformed(evt);

            }

        });

                                        getContentPane().add(jButton1,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(1149, 95, -1, -1));



        jButton2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

        jButton2.setText("Clear");

        jButton2.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton2ActionPerformed(evt);

            }

        });

                                        getContentPane().add(jButton2,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(1227, 95, -1, -1));



        jTable1.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N

        jTable1.setModel(new javax.swing.table.DefaultTableModel(

            new Object [][] {

                {null, null, null, null, null},
```

```java
            {null, null, null, null, null},

            {null, null, null, null, null},

            {null, null, null, null, null}

        },

        new String [] {

            "Name", "Email", "Security Question", "Address", "Status"

        }

    ));
    jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

        public void mouseClicked(java.awt.event.MouseEvent evt) {

            jTable1MouseClicked(evt);

        }

    });
    jScrollPane1.setViewportView(jTable1);


                                getContentPane().add(jScrollPane1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(56, 145, 1243, 582));


        jLabel2.setIcon(new  javax.swing.ImageIcon(getClass().getResource("/Copy  of
Copy of Suns Haven Hotels (6).png"))); // NOI18N

    jLabel2.setText("jLabel2");

                                getContentPane().add(jLabel2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1366, 768));
```

```java
        pack();

    }// </editor-fold>


    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }


    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String nameOrEmail=jTextField1.getText();
        ResultSet rs=Select.getData("select *from users where name like
'%"+nameOrEmail+"%' or email like '%"+nameOrEmail+"%' ");
        DefaultTableModel model=(DefaultTableModel)jTable1.getModel();
        model.setRowCount(0);
        try
        {
            while(rs.next())
            {
                                                        model.addRow(new
Object[]{rs.getString(1),rs.getString(2),rs.getString(4),rs.getString(6),rs.getString(7),});
            }
            rs.close();
```

```java
    }

    catch(Exception e)

    {

      JOptionPane.showMessageDialog(null, e);


    }

}


private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

  // TODO add your handling code here:

  setVisible(false);

  new Admin().setVisible(true);

}


private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

  // TODO add your handling code here:

          int a=JOptionPane.showConfirmDialog(null, "Do you really want to
Logout?","Select",JOptionPane.YES_NO_OPTION);

  if (a==0)

  {

    setVisible(false);

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

```java
        }

    }


    private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
            int a=JOptionPane.showConfirmDialog(null, "Do you really want to Close
Application?","Select",JOptionPane.YES_NO_OPTION);
        if (a==0)
        {
            System.exit(0);
        }
    }


    private void jButton1ComponentShown(java.awt.event.ComponentEvent evt) {
        // TODO add your handling code here:
    }


    private void formComponentShown(java.awt.event.ComponentEvent evt) {
        // TODO add your handling code here:
        ResultSet rs=Select.getData("select *from users");
        DefaultTableModel model=(DefaultTableModel)jTable1.getModel();
        model.setRowCount(0);
        try
```

```java
        {
            while(rs.next())
            {
                                                                model.addRow(new
Object[]{rs.getString(1),rs.getString(2),rs.getString(4),rs.getString(6),rs.getString(7),});
            }
            rs.close();


        }
        catch(Exception e)
        {
            JOptionPane.showMessageDialog(null, e);


        }
    }


    private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        int index=jTable1.getSelectedRow();
        TableModel model=jTable1.getModel();
        String email=model.getValueAt(index,1).toString();
        String status=model.getValueAt(index,4).toString();
        if(status.equals("true"))
```

```java
        status="false";
    else
        status="true";
    try
    {
        int a=JOptionPane.showConfirmDialog(null, "Do you want to change status of
"+email+"","Select",JOptionPane.YES_NO_OPTION);
        if (a==0)
        {
                InsertUpdateDelete.setData("update users set status='"+status+"' where
email='"+email+"'", "Successfully Changed Status");
            setVisible(false);
            new Admin().setVisible(true);
        }


    }
    catch(Exception e)
    {


    }
 }

 /**
```

```
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
                                                            * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

            java.util.logging.Logger.getLogger(Admin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```java
            } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Admin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Admin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Admin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            }
            //</editor-fold>

            /* Create and display the form */
            java.awt.EventQueue.invokeLater(new Runnable() {
                public void run() {
                    new Admin().setVisible(true);
                }
            });
        }
```

```java
    // Variables declaration - do not modify

    private javax.swing.JButton jButton1;

    private javax.swing.JButton jButton2;

    private javax.swing.JButton jButton5;

    private javax.swing.JButton jButton6;

    private javax.swing.JLabel jLabel1;

    private javax.swing.JLabel jLabel2;

    private javax.swing.JScrollPane jScrollPane1;

    private javax.swing.JTable jTable1;

    private javax.swing.JTextField jTextField1;

    // End of variables declaration
}
```

Home.java

```java
import javax.swing.JOptionPane;

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

```java
 */


/**
 *
 * @author Admin
 */
public class Home extends javax.swing.JFrame {

    /**
     * Creates new form Home
     */
    public Home() {
        initComponents();
    }


    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
```

```java
jButton6 = new javax.swing.JButton();

jButton5 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton9 = new javax.swing.JButton();

jButton10 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

jButton7 = new javax.swing.JButton();

jButton8 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

setUndecorated(true);

addComponentListener(new java.awt.event.ComponentAdapter() {

    public void componentShown(java.awt.event.ComponentEvent evt) {

        formComponentShown(evt);

    }

});

getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());


jButton6.setBackground(new java.awt.Color(7, 31, 40));

jButton6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
```

```java
jButton6.setForeground(new java.awt.Color(255, 255, 255));

jButton6.setText("LOGOUT");

          jButton6.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

jButton6.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jButton6ActionPerformed(evt);

    }

});

                    getContentPane().add(jButton6,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1150, 10, 100, 40));


jButton5.setBackground(new java.awt.Color(7, 31, 40));

jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton5.setForeground(new java.awt.Color(255, 255, 255));

jButton5.setText("CUSTOMER DETAIL BILL");

          jButton5.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

jButton5.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jButton5ActionPerformed(evt);

    }

});
```

```java
                                              getContentPane().add(jButton5,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(950, 10, 190, 40));


     jButton2.setBackground(new java.awt.Color(204, 0, 0));

     jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

     jButton2.setForeground(new java.awt.Color(255, 255, 255));

     jButton2.setText("EXIT");

                    jButton2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

     jButton2.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

           jButton2ActionPerformed(evt);

        }

     });

                                              getContentPane().add(jButton2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1260, 10, 90, 40));


     jButton9.setBackground(new java.awt.Color(7, 31, 40));

     jButton9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

     jButton9.setForeground(new java.awt.Color(255, 255, 255));

     jButton9.setText("MANAGE ROOM");

                    jButton9.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));
```

```java
        jButton9.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton9ActionPerformed(evt);

            }

        });

                                        getContentPane().add(jButton9,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(430, 10, 130, 40));


        jButton10.setBackground(new java.awt.Color(7, 31, 40));

        jButton10.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

        jButton10.setForeground(new java.awt.Color(255, 255, 255));

        jButton10.setText("CUSTOMER CHECK IN");

                jButton10.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

        jButton10.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton10ActionPerformed(evt);

            }

        });

                                        getContentPane().add(jButton10,       new
org.netbeans.lib.awtextra.AbsoluteConstraints(570, 10, 180, 40));


        jButton4.setBackground(new java.awt.Color(7, 31, 40));
```

```java
jButton4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton4.setForeground(new java.awt.Color(255, 255, 255));

jButton4.setText("CUSTOMER CHECK OUT");

jButton4.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

getContentPane().add(jButton4,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(760, 10, 180, 40));


jLabel1.setIcon(new  javax.swing.ImageIcon(getClass().getResource("/Copy  of
Copy of Suns Haven Hotels (5).png"))); // NOI18N

getContentPane().add(jLabel1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1366, 768));


jButton7.setBackground(new java.awt.Color(253, 79, 5));

jButton7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton7.setForeground(new java.awt.Color(255, 255, 255));

jButton7.setText("FORGOT PASSWORD");
```

```java
        jButton7.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));
        jButton7.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton7ActionPerformed(evt);
            }
        });
                                getContentPane().add(jButton7,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(450, 10, 170, 40));


        jButton8.setBackground(new java.awt.Color(7, 31, 40));
        jButton8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton8.setForeground(new java.awt.Color(255, 255, 255));
        jButton8.setText("SIGNUP");
                jButton8.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));
        jButton8.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton8ActionPerformed(evt);
            }
        });
                                getContentPane().add(jButton8,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(640, 10, 140, 40));
```

```java
        jButton3.setBackground(new java.awt.Color(204, 0, 0));

        jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

        jButton3.setForeground(new java.awt.Color(255, 255, 255));

        jButton3.setText("CLOSE");

                    jButton3.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

        jButton3.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton3ActionPerformed(evt);

            }

        });

                                        getContentPane().add(jButton3,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(800, 10, 90, 40));


        pack();

    }// </editor-fold>


    private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

                int a=JOptionPane.showConfirmDialog(null, "Do you really want to
Logout?","Select",JOptionPane.YES_NO_OPTION);

        if (a==0)
```

```java
        {
            setVisible(false);

            new Login().setVisible(true);

        }

    }


    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

        new CustomerDetailBill().setVisible(true);

    }


    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

            int a=JOptionPane.showConfirmDialog(null, "Do you really want to Close
Application?","Select",JOptionPane.YES_NO_OPTION);

        if (a==0)

        {

            System.exit(0);

        }

    }


    private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:
```

```java
    }


    private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }



    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }



    private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

        new ManageRoom().setVisible(true);

    }



    private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

        new CustomerCheckIn().setVisible(true);


    }



    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:
```

```java
        new CustomerCheckOut().setVisible(true);

    }


    private void formComponentShown(java.awt.event.ComponentEvent evt) {

        // TODO add your handling code here:

    }


    /**

     * @param args the command line arguments

     */

    public static void main(String args[]) {

        /* Set the Nimbus look and feel */

        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">

        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.

                                                * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

         */

        try {

                        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {

                if ("Nimbus".equals(info.getName())) {
```

```java
            javax.swing.UIManager.setLookAndFeel(info.getClassName());

            break;

        }

    }

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);

    }

    //</editor-fold>
```

```java
        /* Create and display the form */

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

            public void run() {

                new Home().setVisible(true);

            }

        });

    }


    // Variables declaration - do not modify

    private javax.swing.JButton jButton10;

    private javax.swing.JButton jButton2;

    private javax.swing.JButton jButton3;

    private javax.swing.JButton jButton4;

    private javax.swing.JButton jButton5;

    private javax.swing.JButton jButton6;

    private javax.swing.JButton jButton7;

    private javax.swing.JButton jButton8;

    private javax.swing.JButton jButton9;

    private javax.swing.JLabel jLabel1;

    // End of variables declaration

}
```

ManageRoom

import project.*;

import java.sql.*;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

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

/**
 *
 * @author Admin
 */
public class ManageRoom extends javax.swing.JFrame {

    /**
     * Creates new form manageRoom
     */
    public ManageRoom() {
        initComponents();
```

```java
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jButton3 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jComboBox2 = new javax.swing.JComboBox<>();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTable1 = new javax.swing.JTable();
        jButton4 = new javax.swing.JButton();
        jButton5 = new javax.swing.JButton();
```

```java
jComboBox1 = new javax.swing.JComboBox<>();

jTextField2 = new javax.swing.JTextField();

jLabel1 = new javax.swing.JLabel();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

setLocation(new java.awt.Point(50, 118));

setUndecorated(true);

addComponentListener(new java.awt.event.ComponentAdapter() {

    public void componentShown(java.awt.event.ComponentEvent evt) {

        formComponentShown(evt);

    }

});

getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());


jButton3.setBackground(new java.awt.Color(253, 79, 5));

jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton3.setForeground(new java.awt.Color(255, 255, 255));

jButton3.setText("Delete Room");

                jButton3.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(255, 255, 255), 2));

jButton3.addComponentListener(new java.awt.event.ComponentAdapter() {

    public void componentShown(java.awt.event.ComponentEvent evt) {

        jButton3ComponentShown(evt);
```

```java
        }
    });

    jButton3.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton3ActionPerformed(evt);
        }
    });

    getContentPane().add(jButton3,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(790, 470, 370, 50));


    jLabel2.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N

    jLabel2.setForeground(new java.awt.Color(255, 255, 255));

    jLabel2.setText("MANAGE ROOM");

    getContentPane().add(jLabel2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(60, 10, 220, 40));


    jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel3.setForeground(new java.awt.Color(255, 255, 255));

    jLabel3.setText("Room Number:");

    getContentPane().add(jLabel3,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(790, 100, -1, -1));


    jTextField1.setFont(new java.awt.Font("Segoe UI Black", 0, 12)); // NOI18N
```

```java
jTextField1.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jTextField1ActionPerformed(evt);

    }

});

                                        getContentPane().add(jTextField1,       new
org.netbeans.lib.awtextra.AbsoluteConstraints(790, 120, 370, 40));


jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel4.setForeground(new java.awt.Color(255, 255, 255));

jLabel4.setText("Room Type:");

                                            getContentPane().add(jLabel4,       new
org.netbeans.lib.awtextra.AbsoluteConstraints(790, 170, -1, -1));


jLabel5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel5.setForeground(new java.awt.Color(255, 255, 255));

jLabel5.setText("Bed:");

                                        getContentPane().add(jLabel5,       new
org.netbeans.lib.awtextra.AbsoluteConstraints(790, 240, -1, -1));


jLabel6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel6.setForeground(new java.awt.Color(255, 255, 255));

jLabel6.setText("Price:");
```

```java
                                        getContentPane().add(jLabel6,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(790, 310, -1, -1));


    jComboBox2.setFont(new java.awt.Font("Segoe UI Black", 0, 12)); // NOI18N
     jComboBox2.setModel(new javax.swing.DefaultComboBoxModel<>(new String[]
{ "Single", "Double", "Triple", " " }));
                                       getContentPane().add(jComboBox2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(790, 260, 370, 40));


    jTable1.setModel(new javax.swing.table.DefaultTableModel(
       new Object [][] {
          {null, null, null, null, null},
          {null, null, null, null, null},
          {null, null, null, null, null},
          {null, null, null, null, null}
       },
       new String [] {
          "roomNo", "Room Type", "Bed", "Price", "Status"
       }
    ));
    jScrollPane1.setViewportView(jTable1);
```

```java
                                getContentPane().add(jScrollPane1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(92, 100, 590, 400));


    jButton4.setBackground(java.awt.Color.red);

    jButton4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

    jButton4.setForeground(java.awt.Color.red);

                                            jButton4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/cancel.png"))); // NOI18N

    jButton4.setBorder(javax.swing.BorderFactory.createLineBorder(java.awt.Color.red,
2));

    jButton4.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton4ActionPerformed(evt);

        }

    });

                                getContentPane().add(jButton4,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1180, 10, 30, 30));


    jButton5.setBackground(new java.awt.Color(253, 79, 5));

    jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

    jButton5.setForeground(new java.awt.Color(255, 255, 255));

    jButton5.setText("Add Room");
```

```java
                    jButton5.setBorder(javax.swing.BorderFactory.createLineBorder(new

java.awt.Color(255, 255, 255), 2));

        jButton5.addComponentListener(new java.awt.event.ComponentAdapter() {

            public void componentShown(java.awt.event.ComponentEvent evt) {

                jButton5ComponentShown(evt);

            }

        });

        jButton5.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton5ActionPerformed(evt);

            }

        });

                                        getContentPane().add(jButton5,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(790, 400, 370, 50));


        jComboBox1.setFont(new java.awt.Font("Segoe UI Black", 0, 12)); // NOI18N

        jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[]

{ "AC", "Non-AC" }));

                                        getContentPane().add(jComboBox1,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(790, 190, 370, 40));


        jTextField2.setFont(new java.awt.Font("Segoe UI Black", 0, 12)); // NOI18N
```

```java
                            getContentPane().add(jTextField2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(790, 330, 370, 40));


        jLabel1.setIcon(new  javax.swing.ImageIcon(getClass().getResource("/Copy  of
Copy of Suns Haven Hotels (8).png"))); // NOI18N

                                    getContentPane().add(jLabel1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));


    pack();
}// </editor-fold>


private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
        int selectedRow = jTable1.getSelectedRow();
if (selectedRow == -1) {
    JOptionPane.showMessageDialog(null, "Please select a row to delete.");
} else {
    // Get the column index of the "Room Number" column
    int roomNoColumnIndex = -1;
    for (int i = 0; i < jTable1.getColumnCount(); i++) {
        if (jTable1.getColumnName(i).equals("roomNo")) {
        roomNoColumnIndex = i;
        break;
```

```java
        }

    }


    if (roomNoColumnIndex != -1) {

        // Get the room number from the selected row

                        String roomNo = (String) jTable1.getValueAt(selectedRow,
roomNoColumnIndex);


        // Construct the delete query using the correct column name

        String deleteQuery = "DELETE FROM room WHERE roomNo = '" + roomNo +
"'";

        InsertUpdateDelete.setData(deleteQuery, "Room Deleted Successfully");

        setVisible(false);

        new ManageRoom().setVisible(true);

    } else {

        JOptionPane.showMessageDialog(null, "Column 'Room Number' not found in the
table.");

    }

  }


    }
```

```java
private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}


private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    setVisible(false);

}


private void jButton3ComponentShown(java.awt.event.ComponentEvent evt) {

    // TODO add your handling code here:

}


private void formComponentShown(java.awt.event.ComponentEvent evt) {

    // TODO add your handling code here:

    ResultSet rs=Select.getData("select *from room");

    DefaultTableModel model=(DefaultTableModel)jTable1.getModel();

    model.setRowCount(0);

    try

    {

        while(rs.next())

        {
```

```java
                                        model.addRow(new

Object[]{rs.getString(1),rs.getString(2),rs.getString(3),rs.getString(4),rs.getString(5)});

        }

        rs.close();


        }

        catch(Exception e)

        {

            JOptionPane.showMessageDialog(null, e);


        }

    }


    private void jButton5ComponentShown(java.awt.event.ComponentEvent evt) {

        // TODO add your handling code here:

    }


    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

        String roomNo=jTextField1.getText();

        String roomType=(String)jComboBox1.getSelectedItem();

        String bed=(String)jComboBox2.getSelectedItem();

        String price=jTextField2.getText();
```

```java
        String    Query="insert    into    room
values("'+roomNo+"','"+roomType+"','"+bed+"','"+price+"','Not Booked')";

    InsertUpdateDelete.setData(Query,"Successfully Updated");

    setVisible(false);

    new ManageRoom().setVisible(true);

  }



  /**

   * @param args the command line arguments

   */

  public static void main(String args[]) {

    /* Set the Nimbus look and feel */

    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">

    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.

                                     * For    details    see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

     */

    try {

                            for  (javax.swing.UIManager.LookAndFeelInfo  info  :
javax.swing.UIManager.getInstalledLookAndFeels()) {
```

```java
            if ("Nimbus".equals(info.getName())) {

                javax.swing.UIManager.setLookAndFeel(info.getClassName());

                break;

            }

        }

    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(ManageRoom.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(ManageRoom.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(ManageRoom.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(ManageRoom.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);

    }
    //</editor-fold>
```

```java
    //</editor-fold>


    /* Create and display the form */

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

        public void run() {

            new ManageRoom().setVisible(true);

        }

    });

}


// Variables declaration - do not modify

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton4;

private javax.swing.JButton jButton5;

private javax.swing.JComboBox<String> jComboBox1;

private javax.swing.JComboBox<String> jComboBox2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JScrollPane jScrollPane1;
```

private javax.swing.JTable jTable1;

private javax.swing.JTextField jTextField1;

private javax.swing.JTextField jTextField2;

// End of variables declaration

}

CustomerCheckIn.java

```java
import java.text.SimpleDateFormat;

import java.util.Calendar;

import javax.swing.JOptionPane;

import java.sql.*;

import project.*;


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


/**
```

```java
 *

 * @author Admin

 */

public class CustomerCheckIn extends javax.swing.JFrame {


    /**

     * Creates new form CustomerCheckIn

     */

    public CustomerCheckIn() {

        initComponents();

        jTextField7.setEditable(false);

        jTextField8.setEditable(false);

        SimpleDateFormat myFormat= new SimpleDateFormat("yyyy/MM/dd");

        Calendar cal=Calendar.getInstance();

        jTextField7.setText(myFormat.format(cal.getTime()));

    }

    String bed;

    String roomType;

    String roomNo;

    String price;


    public void roomDetails()

    {
```

```java
        jComboBox3.removeAllItems();

        jTextField8.setText("");

        bed=(String)jComboBox1.getSelectedItem();

        roomType=(String)jComboBox4.getSelectedItem();

        try

        {

                ResultSet rs=Select.getData("select *from room where bed='"+bed+"' and
roomType='"+roomType+"' and status='Not Booked'");

         while(rs.next())

          {

            jComboBox3.addItem(rs.getString(1));

          }

        }

        catch(Exception e)

        {

            JOptionPane.showMessageDialog(null, e);

        }

      }


    /**

     * This method is called from within the constructor to initialize the form.

     * WARNING: Do NOT modify this code. The content of this method is always

     * regenerated by the Form Editor.
```

```java
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel12 = new javax.swing.JLabel();

    jLabel13 = new javax.swing.JLabel();

    jComboBox1 = new javax.swing.JComboBox<>();

    jLabel14 = new javax.swing.JLabel();

    jComboBox3 = new javax.swing.JComboBox<>();

    jLabel15 = new javax.swing.JLabel();

    jTextField8 = new javax.swing.JTextField();

    jButton3 = new javax.swing.JButton();

    jLabel2 = new javax.swing.JLabel();

    jLabel3 = new javax.swing.JLabel();

    jTextField3 = new javax.swing.JTextField();

    jLabel4 = new javax.swing.JLabel();

    jLabel5 = new javax.swing.JLabel();

    jLabel6 = new javax.swing.JLabel();

    jTextField4 = new javax.swing.JTextField();

    jTextField1 = new javax.swing.JTextField();

    jTextField2 = new javax.swing.JTextField();

    jTextField5 = new javax.swing.JTextField();
```

```java
jTextField6 = new javax.swing.JTextField();

jLabel10 = new javax.swing.JLabel();

jTextField7 = new javax.swing.JTextField();

jLabel7 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jComboBox4 = new javax.swing.JComboBox<>();

jLabel8 = new javax.swing.JLabel();

jComboBox2 = new javax.swing.JComboBox<>();

jButton4 = new javax.swing.JButton();

jButton5 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

setLocation(new java.awt.Point(50, 118));

setUndecorated(true);

getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());


jLabel12.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel12.setForeground(new java.awt.Color(255, 255, 255));

jLabel12.setText("Bed:");

                                getContentPane().add(jLabel12,          new
org.netbeans.lib.awtextra.AbsoluteConstraints(900, 170, 130, -1));
```

```java
        jLabel13.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

        jLabel13.setForeground(new java.awt.Color(255, 255, 255));

        jLabel13.setText("Room Type:");

                                    getContentPane().add(jLabel13,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(900, 240, 110, -1));


        jComboBox1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

         jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[]
{ "Single", "Double", "Triple" }));

        jComboBox1.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jComboBox1ActionPerformed(evt);

            }

        });

                                    getContentPane().add(jComboBox1,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(900, 190, 310, 40));


        jLabel14.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

        jLabel14.setForeground(new java.awt.Color(255, 255, 255));

        jLabel14.setText("Room Number:");

                                    getContentPane().add(jLabel14,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(900, 310, 130, -1));
```

```java
jComboBox3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jComboBox3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jComboBox3ActionPerformed(evt);
    }
});

getContentPane().add(jComboBox3,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(900, 330, 310, 40));


jLabel15.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel15.setForeground(new java.awt.Color(255, 255, 255));
jLabel15.setText("Price:");

getContentPane().add(jLabel15,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(900, 380, -1, -1));


jTextField8.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

getContentPane().add(jTextField8,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(900, 400, 310, 40));


jButton3.setBackground(new java.awt.Color(253, 79, 5));
jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton3.setForeground(new java.awt.Color(255, 255, 255));
jButton3.setText("Clear");
```

```java
                jButton3.setBorder(javax.swing.BorderFactory.createLineBorder(new

java.awt.Color(255, 255, 255), 2));

    jButton3.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton3ActionPerformed(evt);

        }

    });

                                    getContentPane().add(jButton3,       new

org.netbeans.lib.awtextra.AbsoluteConstraints(1070, 470, 140, 50));


    jLabel2.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N

    jLabel2.setForeground(new java.awt.Color(255, 255, 255));

    jLabel2.setText("CUSTOMER CHECK IN");

                                        getContentPane().add(jLabel2,       new

org.netbeans.lib.awtextra.AbsoluteConstraints(40, 10, 270, 40));


    jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel3.setForeground(new java.awt.Color(255, 255, 255));

    jLabel3.setText("Name:");

                                        getContentPane().add(jLabel3,       new

org.netbeans.lib.awtextra.AbsoluteConstraints(60, 170, -1, -1));


    jTextField3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
```

```java
jTextField3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField3ActionPerformed(evt);
    }
});

                                getContentPane().add(jTextField3,       new
org.netbeans.lib.awtextra.AbsoluteConstraints(60, 330, 370, 40));


    jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel4.setForeground(new java.awt.Color(255, 255, 255));

    jLabel4.setText("Mobile Number:");

                                    getContentPane().add(jLabel4,       new
org.netbeans.lib.awtextra.AbsoluteConstraints(60, 240, -1, -1));


    jLabel5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel5.setForeground(new java.awt.Color(255, 255, 255));

    jLabel5.setText("Nationality");

                                    getContentPane().add(jLabel5,       new
org.netbeans.lib.awtextra.AbsoluteConstraints(60, 310, -1, -1));


    jLabel6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel6.setForeground(new java.awt.Color(255, 255, 255));

    jLabel6.setText("Email");
```

```java
                                    getContentPane().add(jLabel6,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(60, 450, -1, -1));


    jTextField4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
                                    getContentPane().add(jTextField4,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(60, 470, 370, 40));


    jTextField1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jTextField1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jTextField1ActionPerformed(evt);
        }
    });
                                    getContentPane().add(jTextField1,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(60, 190, 370, 40));


    jTextField2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jTextField2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jTextField2ActionPerformed(evt);
        }
    });
```

```java
                                getContentPane().add(jTextField2,       new
org.netbeans.lib.awtextra.AbsoluteConstraints(60, 260, 370, 40));


    jTextField5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jTextField5.addActionListener(new java.awt.event.ActionListener() {

      public void actionPerformed(java.awt.event.ActionEvent evt) {

        jTextField5ActionPerformed(evt);

      }

    });

                                getContentPane().add(jTextField5,       new
org.netbeans.lib.awtextra.AbsoluteConstraints(480, 190, 370, 40));


    jTextField6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jTextField6.addActionListener(new java.awt.event.ActionListener() {

      public void actionPerformed(java.awt.event.ActionEvent evt) {

        jTextField6ActionPerformed(evt);

      }

    });

                                getContentPane().add(jTextField6,       new
org.netbeans.lib.awtextra.AbsoluteConstraints(480, 260, 370, 40));


    jLabel10.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel10.setForeground(new java.awt.Color(255, 255, 255));
```

```java
jLabel10.setText("Check In Date (Today)");

                                getContentPane().add(jLabel10,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(480, 310, -1, -1));


jTextField7.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jTextField7.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jTextField7ActionPerformed(evt);

    }

});

                                getContentPane().add(jTextField7,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(480, 330, 370, 40));


jLabel7.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel7.setForeground(new java.awt.Color(255, 255, 255));

jLabel7.setText("Address:");

                                getContentPane().add(jLabel7,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(480, 240, -1, -1));


jLabel9.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel9.setForeground(new java.awt.Color(255, 255, 255));

jLabel9.setText("ID Proof:");
```

```java
                                              getContentPane().add(jLabel9,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(480, 170, -1, -1));


    jComboBox4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
      jComboBox4.setModel(new javax.swing.DefaultComboBoxModel<>(new String[]
{ "AC", "Non-AC" }));
    jComboBox4.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        jComboBox4ActionPerformed(evt);
      }
    });

                                        getContentPane().add(jComboBox4,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(900, 260, 310, 40));


    jLabel8.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel8.setForeground(new java.awt.Color(255, 255, 255));
    jLabel8.setText("Gender:");

                                              getContentPane().add(jLabel8,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(60, 380, -1, -1));


    jComboBox2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
      jComboBox2.setModel(new javax.swing.DefaultComboBoxModel<>(new String[]
{ "Male", "Female", "Others" }));
```

```java
                                            getContentPane().add(jComboBox2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(60, 400, 370, 40));


    jButton4.setBackground(java.awt.Color.red);

    jButton4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

    jButton4.setForeground(java.awt.Color.red);

                                                            jButton4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/cancel.png"))); // NOI18N

    jButton4.setBorder(javax.swing.BorderFactory.createLineBorder(java.awt.Color.red,
2));

    jButton4.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton4ActionPerformed(evt);

        }

    });

                                            getContentPane().add(jButton4,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1220, 10, 30, 30));


    jButton5.setBackground(new java.awt.Color(253, 79, 5));

    jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

    jButton5.setForeground(new java.awt.Color(255, 255, 255));

    jButton5.setText("Allote Room");
```

```java
                jButton5.setBorder(javax.swing.BorderFactory.createLineBorder(new

java.awt.Color(255, 255, 255), 2));

        jButton5.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton5ActionPerformed(evt);

            }

        });

                                        getContentPane().add(jButton5,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(900, 470, 140, 50));


        jLabel1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

            jLabel1.setIcon(new  javax.swing.ImageIcon(getClass().getResource("/Copy  of

Copy of Suns Haven Hotels (8).png"))); // NOI18N

                                            getContentPane().add(jLabel1,        new

org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1266, 600));


        pack();

    }// </editor-fold>


    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

        setVisible(false);
```

```java
    }

    private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }


    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }


    private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }


    private void jTextField5ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }


    private void jTextField6ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }


    private void jTextField7ActionPerformed(java.awt.event.ActionEvent evt) {
```

```java
    // TODO add your handling code here:

}


private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    setVisible(false);

    new CustomerCheckIn().setVisible(true);

}


private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    roomDetails();

}


private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    int id=1;

    String name=jTextField1.getText();

    String mobileNumber=jTextField2.getText();

    String nationality=jTextField3.getText();

    String gender=(String)jComboBox2.getSelectedItem();

    String email=jTextField4.getText();

    String idProof=jTextField5.getText();
```

```java
String address=jTextField6.getText();

String checkIN=jTextField7.getText();

String bed=(String)jComboBox1.getSelectedItem();

String roomType=(String)jComboBox4.getSelectedItem();

String roomNo=(String)jComboBox3.getSelectedItem();

String price=jTextField8.getText();

String Query="select max(id) from customer";

try

{

    ResultSet rs=Select.getData(Query);

    while(rs.next())

        id=rs.getInt(1);

        id=id+1;


        if(!price.equals(""))

        {

            Query="update room set status='Booked' where roomNo='"+roomNo+"'";

            InsertUpdateDelete.setData(Query,"");

                                            Query="insert    into
customer(id,name,mobileNumber,nationality,gender,email,idProof,address,checkIn,room
No,bed,roomType,pricePerDay)values("+id+",'"+name+"','"+mobileNumber+"','"+nation
ality+"','"+gender+"','"+email+"','"+idProof+"','"+address+"','"+checkIN+"','"+roomNo+"'
,'"+bed+"','"+roomType+"','"+price+"')";
```

```java
                    InsertUpdateDelete.setData(Query,"Customer Check IN Successfully");

                    setVisible(false);

                    new CustomerCheckIn().setVisible(true);

                }



            }

            catch(Exception e)

            {

                JOptionPane.showMessageDialog(null,e);

            }



    }



    private void jComboBox3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        roomNo=(String)jComboBox3.getSelectedItem();
        try
        {
            ResultSet rs=Select.getData("select *from room where roomNo='"+roomNo+"'");
            while (rs.next())
            {
```

```java
                jTextField8.setText(rs.getString(4));

            }


        }

        catch(Exception e)

        {

            JOptionPane.showMessageDialog(null, e);


        }

    }


    private void jComboBox4ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

        roomDetails();

    }


    /**

     * @param args the command line arguments

     */

    public static void main(String args[]) {

        /* Set the Nimbus look and feel */

        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)

">
```

```java
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.

                                        *       For       details       see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {

                                for   (javax.swing.UIManager.LookAndFeelInfo   info   :
javax.swing.UIManager.getInstalledLookAndFeels()) {

                if ("Nimbus".equals(info.getName())) {

                    javax.swing.UIManager.setLookAndFeel(info.getClassName());

                    break;

                }

            }

        } catch (ClassNotFoundException ex) {


java.util.logging.Logger.getLogger(CustomerCheckIn.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {


java.util.logging.Logger.getLogger(CustomerCheckIn.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
```

```java
        java.util.logging.Logger.getLogger(CustomerCheckIn.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

        java.util.logging.Logger.getLogger(CustomerCheckIn.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
        }
        //</editor-fold>


        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new CustomerCheckIn().setVisible(true);
            }
        });
    }


    // Variables declaration - do not modify
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JButton jButton5;
    private javax.swing.JComboBox<String> jComboBox1;
```

```java
private javax.swing.JComboBox<String> jComboBox2;

private javax.swing.JComboBox<String> jComboBox3;

private javax.swing.JComboBox<String> jComboBox4;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel15;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JTextField jTextField1;

private javax.swing.JTextField jTextField2;

private javax.swing.JTextField jTextField3;

private javax.swing.JTextField jTextField4;

private javax.swing.JTextField jTextField5;

private javax.swing.JTextField jTextField6;
```

```java
    private javax.swing.JTextField jTextField7;

    private javax.swing.JTextField jTextField8;

    // End of variables declaration

}
```

CustomerCheckOut.java

```java
import com.itextpdf.text.Paragraph;

import com.itextpdf.text.pdf.PdfPTable;

import com.itextpdf.text.pdf.PdfWriter;

import java.io.File;

import java.io.FileOutputStream;

import java.sql.*;

import java.text.SimpleDateFormat;

import java.util.Calendar;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

import project.*;
/*

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

```java
/**
 *
 * @author Admin
 */
public class CustomerCheckOut extends javax.swing.JFrame {

    /**
     * Creates new form CustomerCheckOut
     */
    public CustomerCheckOut() {
        initComponents();
        jTextField2.setEditable(false);
        jTextField3.setEditable(false);
        jTextField4.setEditable(false);
        jTextField5.setEditable(false);
        jTextField6.setEditable(false);
        jTextField7.setEditable(false);
        jTextField8.setEditable(false);
        jTextField9.setEditable(false);
    }
    int id=0;
    String Query;
```

String roomType;

String bed;

String roomNo;

```java
/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jTextField1 = new javax.swing.JTextField();
    jButton1 = new javax.swing.JButton();
    jLabel3 = new javax.swing.JLabel();
    jTextField2 = new javax.swing.JTextField();
    jLabel9 = new javax.swing.JLabel();
    jTextField4 = new javax.swing.JTextField();
    jLabel12 = new javax.swing.JLabel();
    jLabel14 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
```

```java
jTextField3 = new javax.swing.JTextField();

jLabel10 = new javax.swing.JLabel();

jTextField7 = new javax.swing.JTextField();

jLabel15 = new javax.swing.JLabel();

jTextField8 = new javax.swing.JTextField();

jTextField9 = new javax.swing.JTextField();

jLabel13 = new javax.swing.JLabel();

jTextField5 = new javax.swing.JTextField();

jTextField6 = new javax.swing.JTextField();

jLabel2 = new javax.swing.JLabel();

jButton5 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jButton4 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

setLocation(new java.awt.Point(50, 118));

setUndecorated(true);

addComponentListener(new java.awt.event.ComponentAdapter() {

    public void componentShown(java.awt.event.ComponentEvent evt) {

        formComponentShown(evt);
```

```
        }

    });

    getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

    jTextField1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

    jTextField1.setText("Room Number");

    jTextField1.setToolTipText("");

    jTextField1.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT_CURSOR));

    jTextField1.setName(""); // NOI18N

    jTextField1.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jTextField1ActionPerformed(evt);

        }

    });

                                getContentPane().add(jTextField1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(840, 70, 286, 24));

    jButton1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

    jButton1.setText("Search");

    jButton1.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton1ActionPerformed(evt);

        }
```

```java
    });

                                        getContentPane().add(jButton1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1130, 70, -1, -1));


    jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel3.setForeground(new java.awt.Color(255, 255, 255));

    jLabel3.setText("Customer Name:");

                                        getContentPane().add(jLabel3,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(40, 150, 160, -1));


    jTextField2.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jTextField2ActionPerformed(evt);

        }

    });

                                        getContentPane().add(jTextField2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(40, 170, 230, 40));


    jLabel9.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel9.setForeground(new java.awt.Color(255, 255, 255));

    jLabel9.setText("Check IN Date:");

                                        getContentPane().add(jLabel9,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(300, 150, 140, -1));
```

```java
jTextField4.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jTextField4ActionPerformed(evt);

    }

});

                            getContentPane().add(jTextField4,     new
org.netbeans.lib.awtextra.AbsoluteConstraints(580, 170, 220, 40));


    jLabel12.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel12.setForeground(new java.awt.Color(255, 255, 255));

    jLabel12.setText("Check Out Date (Today):");

                            getContentPane().add(jLabel12,     new
org.netbeans.lib.awtextra.AbsoluteConstraints(580, 150, 210, -1));


    jLabel14.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel14.setForeground(new java.awt.Color(255, 255, 255));

    jLabel14.setText("Email:");

                            getContentPane().add(jLabel14,     new
org.netbeans.lib.awtextra.AbsoluteConstraints(920, 230, 100, -1));


    jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel4.setForeground(new java.awt.Color(255, 255, 255));
```

```java
jLabel4.setText("Price Per Day:");

                                    getContentPane().add(jLabel4,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(40, 230, 120, -1));


    jTextField3.addActionListener(new java.awt.event.ActionListener() {

      public void actionPerformed(java.awt.event.ActionEvent evt) {

        jTextField3ActionPerformed(evt);

      }

    });

                                    getContentPane().add(jTextField3,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(300, 170, 230, 40));


    jLabel10.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel10.setForeground(new java.awt.Color(255, 255, 255));

    jLabel10.setText("Number of Days Stay:");

                                    getContentPane().add(jLabel10,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(300, 230, 200, -1));


    jTextField7.addActionListener(new java.awt.event.ActionListener() {

      public void actionPerformed(java.awt.event.ActionEvent evt) {

        jTextField7ActionPerformed(evt);

      }

    });
```

```java
                                       getContentPane().add(jTextField7,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(300, 250, 250, 40));


    jLabel15.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel15.setForeground(new java.awt.Color(255, 255, 255));

    jLabel15.setText("Total Amount to Collect from Customer:");

                                       getContentPane().add(jLabel15,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(580, 230, 340, -1));


    jTextField8.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jTextField8ActionPerformed(evt);

        }

    });

                                       getContentPane().add(jTextField8,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(580, 250, 310, 40));


    jTextField9.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jTextField9ActionPerformed(evt);

        }

    });
```

```java
                                    getContentPane().add(jTextField9,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(920, 250, 160, 40));


    jLabel13.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

    jLabel13.setForeground(new java.awt.Color(255, 255, 255));

    jLabel13.setText("Customer Mobile Number:");

                                    getContentPane().add(jLabel13,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(850, 150, 210, -1));


    jTextField5.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jTextField5ActionPerformed(evt);

        }

    });

                                    getContentPane().add(jTextField5,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(850, 170, 240, 40));


    jTextField6.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jTextField6ActionPerformed(evt);

        }

    });
```

```java
                                    getContentPane().add(jTextField6,       new

org.netbeans.lib.awtextra.AbsoluteConstraints(40, 250, 240, 40));


    jLabel2.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N

    jLabel2.setForeground(new java.awt.Color(255, 255, 255));

    jLabel2.setText("CUSTOMER CHECK OUT");

                                        getContentPane().add(jLabel2,       new

org.netbeans.lib.awtextra.AbsoluteConstraints(20, 10, 290, 40));


    jButton5.setBackground(new java.awt.Color(253, 79, 5));

    jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

    jButton5.setForeground(new java.awt.Color(255, 255, 255));

    jButton5.setText("Check Out");

              jButton5.setBorder(javax.swing.BorderFactory.createLineBorder(new

java.awt.Color(255, 255, 255), 2));

    jButton5.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton5ActionPerformed(evt);

        }

    });

                                        getContentPane().add(jButton5,       new

org.netbeans.lib.awtextra.AbsoluteConstraints(1100, 170, 100, 40));
```

```java
jButton3.setBackground(new java.awt.Color(253, 79, 5));

jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton3.setForeground(new java.awt.Color(255, 255, 255));

jButton3.setText("Clear");

jButton3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 255, 255), 2));

jButton3.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jButton3ActionPerformed(evt);

    }

});

getContentPane().add(jButton3, new org.netbeans.lib.awtextra.AbsoluteConstraints(1100, 250, 100, 40));


jTable1.setModel(new javax.swing.table.DefaultTableModel(

    new Object [][] {


    },
    new String [] {

        "ID", "Name", "Mobile Number", "Nationality", "Gender", "Email", "ID Proof", "Address", "CheckIn Date", "Room Number", "Bed", "Room Type", "Price Per Day"

    }
```

```java
        ));

        jScrollPane1.setViewportView(jTable1);


        getContentPane().add(jScrollPane1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(42, 327, 1160, 230));


        jButton4.setBackground(java.awt.Color.red);

        jButton4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

        jButton4.setForeground(new java.awt.Color(255, 255, 255));

                                                        jButton4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/cancel.png"))); // NOI18N

        jButton4.setBorder(javax.swing.BorderFactory.createTitledBorder(null,  "",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,

javax.swing.border.TitledBorder.DEFAULT_POSITION, new  java.awt.Font("Segoe UI",
0, 12), java.awt.Color.red)); // NOI18N

        jButton4.addActionListener(new java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent evt) {

                jButton4ActionPerformed(evt);

            }

        });

                                                getContentPane().add(jButton4,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1220, 10, 30, 30));
```

```java
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Copy of
Copy of Suns Haven Hotels (8).png"))); // NOI18N

                                        getContentPane().add(jLabel1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, 600));


    pack();
  }// </editor-fold>


  private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
  }


  private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String roomNo=jTextField1.getText();
    try
    {
                ResultSet rs=Select.getData("select *from customer where roomNo=
'"+roomNo+"' and checkout is NULL");
      if(rs.next())
      {
        jTextField1.setEditable(false);
        id=rs.getInt(1);
```

```java
jTextField2.setText(rs.getString(2));

jTextField3.setText(rs.getString(9));

jTextField5.setText(rs.getString(3));

jTextField6.setText(rs.getString(13));


SimpleDateFormat myFormat= new SimpleDateFormat("yyyy/MM/dd");

Calendar cal=Calendar.getInstance();

jTextField4.setText(myFormat.format(cal.getTime()));

String dateBeforeString=rs.getString(9);

java.util.Date dateBefore=myFormat.parse(dateBeforeString);

String dateAfterStrig=myFormat.format(cal.getTime());

java.util.Date dateAfter=myFormat.parse(dateAfterStrig);

long difference=dateAfter.getTime()- dateBefore.getTime();

int noOfDayStay=(int) (difference/(1000*60*60*24));

if(noOfDayStay==0)

    noOfDayStay=1;

jTextField7.setText(String.valueOf(noOfDayStay));

float price=Float.parseFloat(jTextField6.getText());


jTextField8.setText(String.valueOf(noOfDayStay*price));

jTextField9.setText(rs.getString(6));

roomType=rs.getString(12);

bed=rs.getString(11);
```

```java
        }
        else
            JOptionPane.showMessageDialog(null,"Room Number is not Booked or Room

Number Does not Exist");


    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(null, e);


    }
}


private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}


private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}


private void jTextField5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
```

```java
    }


    private void jTextField6ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }



    private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }



    private void jTextField7ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }



    private void jTextField8ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }



    private void jTextField9ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

    }



    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
```

```java
// TODO add your handling code here:

String name=jTextField2.getText();

String mobileNumber=jTextField5.getText();

String email=jTextField9.getText();


String checkout=jTextField4.getText();

String numberOfDaysStay=jTextField7.getText();

String totalAmount=jTextField8.getText();

roomNo=jTextField1.getText();

                                        Query="update        customer       set
numberOfDaysStay='"+numberOfDaysStay+"',totalAmount='"+totalAmount+"',checkout
='"+checkout+"' where id='"+id+"'";

InsertUpdateDelete.setData(Query,"");

Query="update room set Status='Not Booked' where roomNo='"+roomNo+"'";

InsertUpdateDelete.setData(Query,"");

String path="C:\\Users\\Personal\\Desktop\\bills";

com.itextpdf.text.Document doc=new com.itextpdf.text.Document();

try

{

    PdfWriter.getInstance(doc, new FileOutputStream(path+""+id+".pdf"));

    doc.open();

     Paragraph paragraph1= new Paragraph("                              Suns Haven
Hotels Billing Statement\n");
```

```java
doc.add(paragraph1);

Paragraph paragraph2= new Paragraph("**********************************************************************************************************");

doc.add(paragraph2);

Paragraph paragraph3= new Paragraph("\t Bill ID: "+id+"\nCustomer Details:\nName: "+name+"\nMobile Number: "+mobileNumber+"\nEmail:"+email+"\n");

doc.add(paragraph3);

doc.add(paragraph2);

Paragraph paragraph4= new Paragraph("\tRoom Details:\nNumber: "+jTextField1.getText()+"\nType: "+roomType+"\nBed: "+bed+"\nPrice Per Day: "+jTextField6.getText()+"");

doc.add(paragraph4);

doc.add(paragraph2);

PdfPTable tb1=new PdfPTable(4);

tb1.addCell("Check In Date: "+jTextField3.getText());

tb1.addCell("Check Out Date: "+checkout);

tb1.addCell("No of Days Stay: "+numberOfDaysStay);

tb1.addCell("Total Amount Paid: "+totalAmount);

doc.add(tb1);

doc.add(paragraph2);
```

```java
        Paragraph paragraph5= new Paragraph("Thank You For Choosing Sun Haven
Hotels,May You Come Again.");
     doc.add(paragraph5);

  }
  catch(Exception e)
  {
    JOptionPane.showMessageDialog(null, e);
  }
  doc.close();
            int a=JOptionPane.showConfirmDialog(null,"Do you want to Print
Bill?","Select",JOptionPane.YES_NO_OPTION);
  if (a==0)
  {
    try
    {
      if((new File("C:\\Users\\Personal\\Desktop\\bills"+id+".pdf")).exists())
      {
        Process p=Runtime
            .getRuntime()
                          .exec("rundll32 url.dll,FileProtocolHandler
C:\\Users\\Personal\\Desktop\\bills"+id+".pdf");
      }
      else
```

```java
            System.out.println("File is not Exists");

        }

        catch(Exception e)

        {

            JOptionPane.showMessageDialog(null, e);

        }

    }

    setVisible(false);

    new CustomerCheckOut().setVisible(true);



}



private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    setVisible(false);

    new CustomerCheckOut().setVisible(true);

}



private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    setVisible(false);

}
```

```java
private void formComponentShown(java.awt.event.ComponentEvent evt) {

    // TODO add your handling code here:

    ResultSet rs=Select.getData("select *from customer where checkOut is NULL");

    DefaultTableModel model=(DefaultTableModel)jTable1.getModel();

        try

    {

        while(rs.next())

        {

                                                    model.addRow(new
Object[]{rs.getString(1),rs.getString(2),rs.getString(3),rs.getString(4),rs.getString(5),rs.g
etString(6),rs.getString(7),rs.getString(8),rs.getString(9),rs.getString(10),rs.getString(11),
rs.getString(12),rs.getString(13)});

        }

        rs.close();


    }

    catch(Exception e)

    {

        JOptionPane.showMessageDialog(null, e);


    }


}
```

```
    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
                                                 *      For      details      see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
```

```java
            java.util.logging.Logger.getLogger(CustomerCheckOut.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(CustomerCheckOut.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

            java.util.logging.Logger.getLogger(CustomerCheckOut.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

            java.util.logging.Logger.getLogger(CustomerCheckOut.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new CustomerCheckOut().setVisible(true);
            }
```

```java
        });
    }


    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;

    private javax.swing.JButton jButton3;

    private javax.swing.JButton jButton4;

    private javax.swing.JButton jButton5;

    private javax.swing.JLabel jLabel1;

    private javax.swing.JLabel jLabel10;

    private javax.swing.JLabel jLabel12;

    private javax.swing.JLabel jLabel13;

    private javax.swing.JLabel jLabel14;

    private javax.swing.JLabel jLabel15;

    private javax.swing.JLabel jLabel2;

    private javax.swing.JLabel jLabel3;

    private javax.swing.JLabel jLabel4;

    private javax.swing.JLabel jLabel9;

    private javax.swing.JScrollPane jScrollPane1;

    private javax.swing.JTable jTable1;

    private javax.swing.JTextField jTextField1;

    private javax.swing.JTextField jTextField2;

    private javax.swing.JTextField jTextField3;
```

```java
    private javax.swing.JTextField jTextField4;

    private javax.swing.JTextField jTextField5;

    private javax.swing.JTextField jTextField6;

    private javax.swing.JTextField jTextField7;

    private javax.swing.JTextField jTextField8;

    private javax.swing.JTextField jTextField9;

    // End of variables declaration

}
```

CustomerDetailBill.java

```java
import java.io.File;

import java.text.SimpleDateFormat;

import java.util.Calendar;

import java.sql.*;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

import javax.swing.table.TableModel;

import project.*;


/*
```

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


/**
 *
 * @author Admin
 */
public class CustomerDetailBill extends javax.swing.JFrame {


    /**
     * Creates new form CustomerDetailBill
     */
    public CustomerDetailBill() {
        initComponents();
        SimpleDateFormat myFormat= new SimpleDateFormat("yyyy/MM/dd");
        Calendar cal=Calendar.getInstance();
        jTextField1.setText(myFormat.format(cal.getTime()));
    }


    /**
```

* This method is called from within the constructor to initialize the form.

 * WARNING: Do NOT modify this code. The content of this method is always

 * regenerated by the Form Editor.

 */

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

   jLabel2 = new javax.swing.JLabel();

   jButton4 = new javax.swing.JButton();

   jTextField1 = new javax.swing.JTextField();

   jButton1 = new javax.swing.JButton();

   jLabel3 = new javax.swing.JLabel();

   jScrollPane1 = new javax.swing.JScrollPane();

   jTable1 = new javax.swing.JTable();

   jLabel1 = new javax.swing.JLabel();

   setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

   setLocation(new java.awt.Point(50, 118));

   setUndecorated(true);

   addComponentListener(new java.awt.event.ComponentAdapter() {

      public void componentShown(java.awt.event.ComponentEvent evt) {

         formComponentShown(evt);

```
        }

    });

    getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());


    jLabel2.setBackground(new java.awt.Color(255, 255, 255));

    jLabel2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

    jLabel2.setForeground(new java.awt.Color(255, 255, 255));

    jLabel2.setText("CLICK ON TABLE ROW TO OPEN BILL");

                                            getContentPane().add(jLabel2,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(50, 550, 330, 30));


    jButton4.setBackground(java.awt.Color.red);

    jButton4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

    jButton4.setForeground(new java.awt.Color(255, 255, 255));

                                                        jButton4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/cancel.png"))); // NOI18N

    jButton4.setBorder(javax.swing.BorderFactory.createLineBorder(java.awt.Color.red,
2));

    jButton4.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton4ActionPerformed(evt);

        }

    });
```

```java
                                    getContentPane().add(jButton4,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(1180, 10, 30, 30));


    jTextField1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

    jTextField1.setText("Check OUT Date");

    jTextField1.setToolTipText("");

    jTextField1.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT_CURSOR));

    jTextField1.setName(""); // NOI18N

    jTextField1.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jTextField1ActionPerformed(evt);

        }

    });

                                        getContentPane().add(jTextField1,      new
org.netbeans.lib.awtextra.AbsoluteConstraints(840, 70, 286, 24));


    jButton1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

    jButton1.setText("Search");

    jButton1.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton1ActionPerformed(evt);

        }

    });
```

```java
                                        getContentPane().add(jButton1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(1130, 70, -1, -1));


        jLabel3.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N

        jLabel3.setForeground(new java.awt.Color(255, 255, 255));

        jLabel3.setText("CUSTOMER DETAIL BILL");

                                        getContentPane().add(jLabel3,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(20, 10, 310, 40));


        jTable1.setModel(new javax.swing.table.DefaultTableModel(

            new Object [][] {


            },
            new String [] {
                "ID", "Name", "Mobile Number", "Nationality", "Gender", "Email", "ID
Proof", "Address", "Check IN Date", "Room Number", "Bed", "Room Type", "Price Per
Day", "Number of Days Stay", "Total Amount", "Check Out Date"
            }
        ));
        jTable1.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jTable1MouseClicked(evt);
            }
```

```java
        });

        jScrollPane1.setViewportView(jTable1);


                                        getContentPane().add(jScrollPane1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(42, 137, 1160, 400));


        jLabel1.setIcon(new  javax.swing.ImageIcon(getClass().getResource("/Copy  of
Copy of Suns Haven Hotels (8).png"))); // NOI18N
        jLabel1.setVerifyInputWhenFocusTarget(false);
                                        getContentPane().add(jLabel1,        new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));


        pack();
    }// </editor-fold>


    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        setVisible(false);
    }


    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }
```

```java
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

        // TODO add your handling code here:

        String checkoutDate=jTextField1.getText();

                ResultSet rs=Select.getData("select *from customer where checkout
="'"+checkoutDate+"'");

        DefaultTableModel model=(DefaultTableModel)jTable1.getModel();

        model.setRowCount(0);

        try

        {

            while(rs.next())

            {

                                            model.addRow(new
Object[]{rs.getString(1),rs.getString(2),rs.getString(3),rs.getString(4),rs.getString(5),rs.g
etString(6),rs.getString(7),rs.getString(8),rs.getString(9),rs.getString(10),rs.getString(11),
rs.getString(12),rs.getString(13),rs.getString(14),rs.getString(15),rs.getString(16)});

            }

            rs.close();


        }

        catch(Exception e)

        {

            JOptionPane.showMessageDialog(null, e);
```

```java
        }

    }


    private void formComponentShown(java.awt.event.ComponentEvent evt) {
        // TODO add your handling code here:
        ResultSet rs=Select.getData("select *from customer where checkout is not NULL");
        DefaultTableModel model=(DefaultTableModel)jTable1.getModel();
        try
        {
            while(rs.next())
            {
                                        model.addRow(new
Object[]{rs.getString(1),rs.getString(2),rs.getString(3),rs.getString(4),rs.getString(5),rs.g
etString(6),rs.getString(7),rs.getString(8),rs.getString(9),rs.getString(10),rs.getString(11),
rs.getString(12),rs.getString(13),rs.getString(14),rs.getString(15),rs.getString(16)});
            }
            rs.close();

        }
        catch(Exception e)
        {
```

```java
            JOptionPane.showMessageDialog(null, e);


        }

    }


    private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {

        // TODO add your handling code here:

        int index=jTable1.getSelectedRow();

        TableModel model=jTable1.getModel();

        String id=model.getValueAt(index,0).toString();

        try

        {

            if((new File("C:\\Users\\Personal\\Desktop\\bills"+id+".pdf")).exists())

            {

                Process p=Runtime

                    .getRuntime()

                                        .exec("rundll32   url.dll,FileProtocolHandler
C:\\Users\\Personal\\Desktop\\bills"+id+".pdf");

            }

            else

            {

                JOptionPane.showMessageDialog(null, "File does not exists");

            }
```

```java
        }

        catch(Exception e)

        {

          JOptionPane.showMessageDialog(null, e);

        }

    }


    /**

     * @param args the command line arguments

     */

    public static void main(String args[]) {

      /* Set the Nimbus look and feel */

      //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">

      /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.

                                        *       For       details       see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

       */

      try {

                          for   (javax.swing.UIManager.LookAndFeelInfo   info   :
javax.swing.UIManager.getInstalledLookAndFeels()) {

          if ("Nimbus".equals(info.getName())) {
```

```java
                javax.swing.UIManager.setLookAndFeel(info.getClassName());

                break;

            }

        }

    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(CustomerDetailBill.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(CustomerDetailBill.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(CustomerDetailBill.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(CustomerDetailBill.class.getName()).log(java.util.log
ging.Level.SEVERE, null, ex);

    }

    //</editor-fold>
```

```java
        /* Create and display the form */

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

            public void run() {

                new CustomerDetailBill().setVisible(true);

            }

        });

    }


    // Variables declaration - do not modify

    private javax.swing.JButton jButton1;

    private javax.swing.JButton jButton4;

    private javax.swing.JLabel jLabel1;

    private javax.swing.JLabel jLabel2;

    private javax.swing.JLabel jLabel3;

    private javax.swing.JScrollPane jScrollPane1;

    private javax.swing.JTable jTable1;

    private javax.swing.JTextField jTextField1;

    // End of variables declaration

}
```

IV.   DATABASE

V. CONCLUSION

In summary, our hotel management system aims to streamline the reservation process for customers. We've created a user-friendly platform that enables customers to navigate the site effortlessly. Our system ensures a hassle-free booking experience, empowering customers to reserve their hotel rooms with ease and convenience.