HOTEL MANAGEMENT IP PROJECT

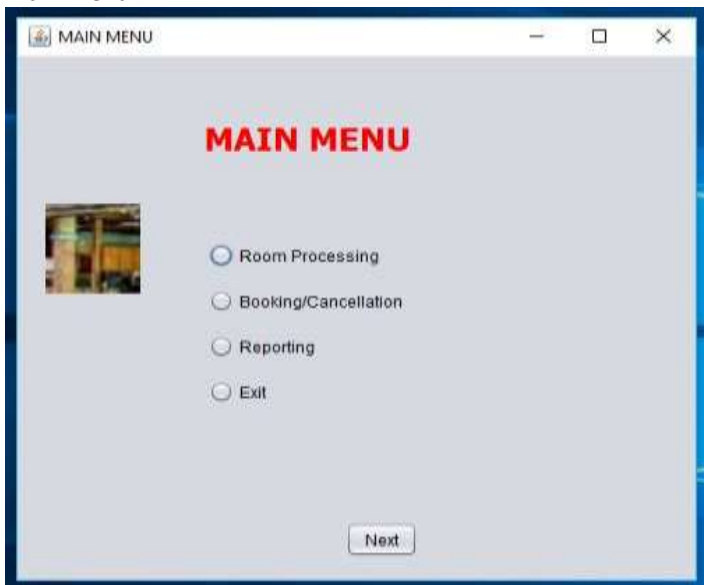Login Page:


```java
import java.sql.*;
import javax.swing.JOptionPane;
private void LogInBActionPerformed(java.awt.event.ActionEvent evt) {
    try{
Class.forName("java.sql.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
String sql="Select * from login where ID=? and password=?;";
PreparedStatement pst=con.prepareStatement(sql);
pst.setString(1,un.getText());
pst.setString(2,pwd.getText());
ResultSet rs=pst.executeQuery();
if(rs.next()){

  MainMenu m=new MainMenu();
  m.setVisible(true);
  setVisible(false);
}
else
{
  JOptionPane.showMessageDialog(null,"username and password not matched");
}
con.close();
    }
  catch(Exception e){
      JOptionPane.showMessageDialog(null,"Error in DB Connectivity");}
      }
```

Main Menu:

```java
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    if(rb1.isSelected())
    {
      RPmenu rp=new RPmenu();
      rp.setVisible(true);
      this.setVisible(false);
    }
    else if(rb2.isSelected())
    {
      BookCancel bc=new BookCancel();
      bc.setVisible(true);
      this.setVisible(false);

    }
    else if(rb3.isSelected())
    {
      Report rp=new Report();
      rp.setVisible(true);
      this.setVisible(false);

    }
    else if(rb4.isSelected())
    {
      this.dispose();
    }
  }
```

Room Processing Menu:


```java
import java.sql.*;
import javax.swing.JOptionPane;
```

```java
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    ChangeCharges.setVisible(true);
    NewRoom.setVisible(false);
    RoomDetails.setVisible(false);

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    ChangeCharges.setVisible(false);
    NewRoom.setVisible(true);
    RoomDetails.setVisible(false);
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    ChangeCharges.setVisible(false);
    NewRoom.setVisible(false);
    RoomDetails.setVisible(true);
}

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    MainMenu mm = new MainMenu();
    mm.setVisible(true);
    this.setVisible(false);
}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String tcode=code.getSelectedItem().toString();
    String rn=roomnumber.getText();
    String chrg=price.getText();

    try {
        Class.forName("java.sql.Driver");
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
        Statement stmt = con.createStatement();
        String query = "insert into room values ('"+tcode+"','"+rn+"','"+chrg+"')";
        stmt.executeUpdate(query);
        JOptionPane.showMessageDialog(null,"Data Added");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null,"Error in DB Connectivity");}
}

private void ccbPopupMenuWillBecomeInvisible(javax.swing.event.PopupMenuEvent evt) {
    String tcode = ccb.getSelectedItem().toString();
    try {
        Class.forName("java.sql.Driver");
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
        Statement stmt = con.createStatement();
        String sql = "select price from room where code='"+tcode+"'";
        ResultSet rs = stmt.executeQuery(sql);

        rs.next();
        String str = rs.getString("price");
        rs.close();
        stmt.close();
        con.close();
        lb1.setText(""+str);
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null,"Error in DB Connectivity");}
}
```

```java
    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String tcode = ccb.getSelectedItem().toString();
        String newCharge=String.valueOf(Integer.parseInt(NewCharge.getText()));
            try {
            Class.forName("java.sql.Driver");
            Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
            Statement stmt = con.createStatement();
            String sql = "update room set price='"+newCharge+"'where code='"+tcode+"'";
            stmt.executeUpdate(sql);
            stmt.close();
            con.close();
            JOptionPane.showMessageDialog(null,"Data Updated");
              }
             catch(Exception e){
            JOptionPane.showMessageDialog(null,"Error in DB Connectivity");}
    }

    private void SearchButtonActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String searchRoom=searchTf1.getText();
         try {
            Class.forName("java.sql.Driver");
            Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
            Statement stmt = con.createStatement();
            String sql="Select code,roomnumber,price from room where roomnumber='"+searchRoom+"'";
            ResultSet rs=stmt.executeQuery(sql);
            rs.next();
            String str=rs.getString("code");
            String str1=rs.getString("roomnumber");
            String str2=rs.getString("price");
            ta1.setText("Room Code:"+str+"\nRoom Number:"+str1+"\nRoom Price:"+str2);
            rs.close();
            stmt.close();
            con.close();
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null,"Room Number Not Found");}
    }
```

Booking / Cancellation Code:

BookCancel

BOOKING / CANCELLATION

[Make Booking]   [Cancel Booking]

[Back]

ENTER BOOKING DETAILS

Current Date 2018-01-20

Room Code SP ▼

Arrival [_____] [📅]

Departure [_____] [📅]

No. of Days [____]

[Search]

[_____]

[Continue]

BookCancel

BOOKING / CANCELLATION

[Make Booking]   [Cancel Booking]

[Back]

ENTER CUSTOMER DETAILS

Room Number D1 ▼

Room Code SP

Name [_____]

Charge per Day 200

Address [_____]

Mobile Number [_____]

Gender Male ▼

Age [_____]

Total Charges ₹ 800

Arrival 2018-01-27

Departure 2018-01-31

[BOOK]

```java
import java.text.SimpleDateFormat;
import java.util.Date;

import javax.swing.JOptionPane;
import java.sql.*;
import java.util.Calendar;

public class BookCancel extends javax.swing.JFrame {
    String arrDate;
    String depDate;
    String roomCode;
    String ChargesPerDay;
    Integer totalCharges;
    String systemDate;
    Date sysDate=null;
    /**
     * Creates new form BookCancel
     */
    public BookCancel() {
        initComponents();
        systemDate();
        fillCombo();
        Book1.setVisible(false);
        Book2.setVisible(false);
        Cancel.setVisible(false);
        BookingCancellation.setVisible(true);

        }

    /**
     * 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() {

        BookingCancellation = new javax.swing.JPanel();
```

```java
jLabel1 = new javax.swing.JLabel();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
ParentPanel = new javax.swing.JPanel();
Book1 = new javax.swing.JPanel();
jLabel2 = new javax.swing.JLabel();
Continue = new javax.swing.JButton();
jLabel5 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
Search = new javax.swing.JButton();
lb1 = new javax.swing.JLabel();
rcb = new javax.swing.JComboBox<>();
jLabel23 = new javax.swing.JLabel();
lb2 = new javax.swing.JLabel();
arrD = new com.toedter.calendar.JDateChooser();
depD = new com.toedter.calendar.JDateChooser();
jLabel9 = new javax.swing.JLabel();
currDate = new javax.swing.JLabel();
Book2 = new javax.swing.JPanel();
jLabel3 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
jLabel14 = new javax.swing.JLabel();
jLabel15 = new javax.swing.JLabel();
ntf = new javax.swing.JTextField();
adtf = new javax.swing.JTextField();
agtf = new javax.swing.JTextField();
arrlb = new javax.swing.JLabel();
deplb = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
jLabel19 = new javax.swing.JLabel();
tclb = new javax.swing.JLabel();
Booking = new javax.swing.JButton();
jLabel24 = new javax.swing.JLabel();
jLabel25 = new javax.swing.JLabel();
rclb = new javax.swing.JLabel();
cpdlb = new javax.swing.JLabel();
jLabel28 = new javax.swing.JLabel();
bookingtf = new javax.swing.JTextField();
gcb = new javax.swing.JComboBox<>();
rcb1 = new javax.swing.JComboBox<>();
Cancel = new javax.swing.JPanel();
jLabel4 = new javax.swing.JLabel();
jLabel21 = new javax.swing.JLabel();
BookingTF = new javax.swing.JTextField();
jButton6 = new javax.swing.JButton();
jButton7 = new javax.swing.JButton();
jScrollPane1 = new javax.swing.JScrollPane();
detailTA = new javax.swing.JTextArea();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("BookCancel");

BookingCancellation.setBackground(new java.awt.Color(204, 255, 204));
BookingCancellation.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

jLabel1.setFont(new java.awt.Font("Sylfaen", 1, 18)); // NOI18N
jLabel1.setText("BOOKING / CANCELLATION");

jButton1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jButton1.setText("Make Booking");
```

```java
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jButton2.setText("Cancel Booking");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

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

        javax.swing.GroupLayout BookingCancellationLayout = new javax.swing.GroupLayout(BookingCancellation);
        BookingCancellation.setLayout(BookingCancellationLayout);
        BookingCancellationLayout.setHorizontalGroup(
            BookingCancellationLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(BookingCancellationLayout.createSequentialGroup()
                .addGap(241, 241, 241)
                .addGroup(BookingCancellationLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addGroup(BookingCancellationLayout.createSequentialGroup()
                        .addComponent(jButton1)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jButton2))
                    .addComponent(jLabel1)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, BookingCancellationLayout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton3)
                .addGap(25, 25, 25))
        );
        BookingCancellationLayout.setVerticalGroup(
            BookingCancellationLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(BookingCancellationLayout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1)
                .addGap(31, 31, 31)
                .addGroup(BookingCancellationLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jButton1)
                    .addComponent(jButton2))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(jButton3)
                .addContainerGap())
        );

        ParentPanel.setBackground(new java.awt.Color(255, 255, 204));
        ParentPanel.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));
        ParentPanel.setLayout(new java.awt.CardLayout());

        Book1.setBackground(new java.awt.Color(102, 153, 255));

        jLabel2.setFont(new java.awt.Font("Sylfaen", 1, 18)); // NOI18N
        jLabel2.setText("ENTER BOOKING DETAILS");

        Continue.setText("Continue");
        Continue.addActionListener(new java.awt.event.ActionListener() {
```

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

    jLabel5.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel5.setText("Room Code");

    jLabel6.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel6.setText("Arrival");

    jLabel7.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel7.setText("Departure");

    Search.setText("Search");
    Search.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            SearchActionPerformed(evt);
        }
    });

    lb1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

    rcb.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "SP", "DP", "F" }));

    jLabel23.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel23.setText("No. of Days");

    lb2.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 2, true));

    arrD.setDateFormatString("yyyy-MM-dd");

    depD.setDateFormatString("yyyy-MM-dd");

    jLabel9.setText("Current Date");

    currDate.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

    javax.swing.GroupLayout Book1Layout = new javax.swing.GroupLayout(Book1);
    Book1.setLayout(Book1Layout);
    Book1Layout.setHorizontalGroup(
        Book1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, Book1Layout.createSequentialGroup()
            .addContainerGap(137, Short.MAX_VALUE)
            .addComponent(lb1, javax.swing.GroupLayout.PREFERRED_SIZE, 485, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(134, 134, 134))
        .addGroup(Book1Layout.createSequentialGroup()
            .addGroup(Book1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(Book1Layout.createSequentialGroup()
                    .addGap(315, 315, 315)
                    .addComponent(Search))
                .addGroup(Book1Layout.createSequentialGroup()
                    .addGap(317, 317, 317)
                    .addComponent(Continue))
                .addGroup(Book1Layout.createSequentialGroup()
                    .addGap(243, 243, 243)
                    .addComponent(jLabel2)
                    .addGap(58, 58, 58)
                    .addComponent(jLabel9)
                    .addGap(18, 18, 18)
                    .addComponent(currDate, javax.swing.GroupLayout.PREFERRED_SIZE, 92,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(Book1Layout.createSequentialGroup()
                    .addGap(155, 155, 155)
                    .addGroup(Book1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jLabel6)
```

```java
                        .addComponent(jLabel5)
                        .addComponent(jLabel7)
                        .addComponent(jLabel23))
                    .addGap(24, 24, 24)
                    .addGroup(Book1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addGroup(Book1Layout.createSequentialGroup()
                            .addGap(83, 83, 83)
                            .addComponent(rcb, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addComponent(lb2, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(arrD, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                        .addComponent(depD, javax.swing.GroupLayout.DEFAULT_SIZE, 155, Short.MAX_VALUE))))
                .addContainerGap(35, Short.MAX_VALUE))
        );
        Book1Layout.setVerticalGroup(
            Book1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(Book1Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(Book1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(Book1Layout.createSequentialGroup()
                        .addGroup(Book1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(jLabel2)
                            .addComponent(jLabel9)
                            .addComponent(currDate, javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(21, 21, 21)
                        .addGroup(Book1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(jLabel5)
                            .addComponent(rcb, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(28, 28, 28)
                        .addComponent(jLabel6))
                    .addComponent(arrD, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(20, 20, 20)
                .addGroup(Book1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(jLabel7)
                    .addComponent(depD, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
                .addGroup(Book1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel23)
                    .addComponent(lb2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED_SIZE, 19,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(Search)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(lb1, javax.swing.GroupLayout.PREFERRED_SIZE, 24, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(Continue)
                .addGap(23, 23, 23))
        );

        ParentPanel.add(Book1, "card2");

        Book2.setBackground(new java.awt.Color(240, 160, 252));

        jLabel3.setFont(new java.awt.Font("Sylfaen", 1, 18)); // NOI18N
        jLabel3.setText("ENTER CUSTOMER DETAILS");

        jLabel8.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel8.setText("Room Number");

        jLabel10.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
```

```java
        jLabel10.setText("Name");

        jLabel11.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel11.setText("Address");

        jLabel12.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel12.setText("Age");

        jLabel13.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel13.setText("Arrival");

        jLabel14.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel14.setText("Gender");

        jLabel15.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel15.setText("Departure");

        arrlb.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        deplb.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        jLabel18.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        jLabel18.setText("Total Charges");

        jLabel19.setFont(new java.awt.Font("Tahoma", 1, 16)); // NOI18N
        jLabel19.setText("₹");

        tclb.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        tclb.setBorder(javax.swing.BorderFactory.createCompoundBorder());

        Booking.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        Booking.setText("BOOK");
        Booking.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                BookingActionPerformed(evt);
            }
        });

        jLabel24.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        jLabel24.setText("Room Code");

        jLabel25.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        jLabel25.setText("Charge per Day");

        rclb.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        cpdlb.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        jLabel28.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel28.setText("Mobile Number");

        gcb.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Male", "Female" }));

        javax.swing.GroupLayout Book2Layout = new javax.swing.GroupLayout(Book2);
        Book2.setLayout(Book2Layout);
        Book2Layout.setHorizontalGroup(
            Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(Book2Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, Book2Layout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addComponent(Booking, javax.swing.GroupLayout.PREFERRED_SIZE, 130,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(66, 66, 66))
                    .addGroup(Book2Layout.createSequentialGroup()
```

```java
                    .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addGroup(javax.swing.GroupLayout.Alignment.LEADING, Book2Layout.createSequentialGroup()
                            .addGap(214, 214, 214)
                            .addComponent(jLabel3))
                        .addGroup(Book2Layout.createSequentialGroup()
                            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addGroup(Book2Layout.createSequentialGroup()
                                    .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                                        .addGroup(Book2Layout.createSequentialGroup()
                                            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                                                .addGroup(Book2Layout.createSequentialGroup()
                                                    .addComponent(jLabel12)
                                                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                                    .addComponent(agtf, javax.swing.GroupLayout.DEFAULT_SIZE, 140, Short.MAX_VALUE))
                                                .addGroup(Book2Layout.createSequentialGroup()
                                                    .addComponent(jLabel15)
                                                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                                    .addComponent(deplb, javax.swing.GroupLayout.PREFERRED_SIZE, 140,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                                .addGroup(Book2Layout.createSequentialGroup()
                                                    .addComponent(jLabel13)
                                                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                                    .addComponent(arrlb, javax.swing.GroupLayout.PREFERRED_SIZE, 140,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                                            .addGap(8, 8, 8))
                                        .addGroup(javax.swing.GroupLayout.Alignment.LEADING, Book2Layout.createSequentialGroup()
                                            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                .addComponent(jLabel11)
                                                .addComponent(jLabel10)
                                                .addComponent(jLabel8))
                                            .addGap(22, 22, 22)
                                            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                                                .addComponent(ntf, javax.swing.GroupLayout.DEFAULT_SIZE, 123, Short.MAX_VALUE)
                                                .addComponent(adtf)
                                                .addComponent(rcb1, 0, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                                            .addGap(0, 0, Short.MAX_VALUE)))
                                    .addGap(43, 43, 43))
                                .addGroup(Book2Layout.createSequentialGroup()
                                    .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addComponent(jLabel28)
                                        .addComponent(jLabel14))
                                    .addGap(18, 18, 18)
                                    .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addComponent(gcb, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                                        .addComponent(bookingtf, javax.swing.GroupLayout.PREFERRED_SIZE, 132,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                    .addGap(54, 54, 54)))
                            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addGroup(Book2Layout.createSequentialGroup()
                                    .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addComponent(jLabel24)
                                        .addGroup(Book2Layout.createSequentialGroup()
                                            .addGap(8, 8, 8)
                                            .addComponent(jLabel18)
                                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                                            .addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED_SIZE, 12,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                                    .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addGroup(Book2Layout.createSequentialGroup()
                                            .addGap(0, 0, Short.MAX_VALUE)
```

```java
                        .addComponent(rclb, javax.swing.GroupLayout.PREFERRED_SIZE, 62,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(Book2Layout.createSequentialGroup()
                                .addComponent(tclb, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGap(0, 0, Short.MAX_VALUE))))
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, Book2Layout.createSequentialGroup()
                            .addComponent(jLabel25)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(cpdlb, javax.swing.GroupLayout.PREFERRED_SIZE, 62,
javax.swing.GroupLayout.PREFERRED_SIZE)))))
                .addContainerGap(268, Short.MAX_VALUE))))
    );

    Book2Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {adtf, agtf, ntf});

    Book2Layout.setVerticalGroup(
        Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(Book2Layout.createSequentialGroup()
            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(Book2Layout.createSequentialGroup()
                    .addGap(40, 40, 40)
                    .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(rcb1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 14,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(Book2Layout.createSequentialGroup()
                            .addGap(34, 34, 34)
                            .addComponent(jLabel25))
                        .addGroup(Book2Layout.createSequentialGroup()
                            .addGap(18, 18, 18)
                            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                .addComponent(ntf, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(jLabel10))
                            .addGap(18, 18, 18)
                            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                .addComponent(adtf, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(jLabel11)))))
                .addGroup(Book2Layout.createSequentialGroup()
                    .addContainerGap()
                    .addComponent(jLabel3)
                    .addGap(19, 19, 19)
                    .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(jLabel24)
                        .addComponent(rclb, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(18, 18, 18)
                    .addComponent(cpdlb, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 20, Short.MAX_VALUE)
            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel28)
                .addComponent(bookingtf, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, Book2Layout.createSequentialGroup()
                    .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(tclb, javax.swing.GroupLayout.PREFERRED_SIZE, 17, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(jLabel18)
```

```java
                .addComponent(jLabel19)))
            .addGap(15, 15, 15))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, Book2Layout.createSequentialGroup()
            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(gcb, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel14))
            .addGap(24, 24, 24)
            .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(agtf, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel12))))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 13, Short.MAX_VALUE)
        .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(Book2Layout.createSequentialGroup()
                .addGap(32, 32, 32)
                .addComponent(Booking, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(Book2Layout.createSequentialGroup()
                .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(arrlb, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel13))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addGroup(Book2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(deplb, javax.swing.GroupLayout.PREFERRED_SIZE, 23,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel15))))
        .addGap(7, 7, 7))
    );

    ParentPanel.add(Book2, "card3");

    Cancel.setBackground(new java.awt.Color(255, 51, 51));

    jLabel4.setFont(new java.awt.Font("Sylfaen", 1, 18)); // NOI18N
    jLabel4.setText("TO CANCEL BOOKING");

    jLabel21.setFont(new java.awt.Font("Tahoma", 3, 14)); // NOI18N
    jLabel21.setText("ENTER BOOKING NUMBER");

    BookingTF.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

    jButton6.setText("Continue");
    jButton6.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
      }
    });

    jButton7.setText("Cancel");
    jButton7.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton7ActionPerformed(evt);
      }
    });

    detailTA.setColumns(20);
    detailTA.setRows(5);
    jScrollPane1.setViewportView(detailTA);

    javax.swing.GroupLayout CancelLayout = new javax.swing.GroupLayout(Cancel);
    Cancel.setLayout(CancelLayout);
    CancelLayout.setHorizontalGroup(
      CancelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(CancelLayout.createSequentialGroup()
```

```java
                        .addGroup(CancelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(CancelLayout.createSequentialGroup()
                                .addGap(267, 267, 267)
                                .addGroup(CancelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addComponent(jLabel4)
                                    .addGroup(CancelLayout.createSequentialGroup()
                                        .addGap(10, 10, 10)
                                        .addComponent(jLabel21))))
                            .addGroup(CancelLayout.createSequentialGroup()
                                .addGap(333, 333, 333)
                                .addComponent(jButton6))
                            .addGroup(CancelLayout.createSequentialGroup()
                                .addGap(299, 299, 299)
                                .addComponent(BookingTF, javax.swing.GroupLayout.PREFERRED_SIZE, 145,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(CancelLayout.createSequentialGroup()
                                .addGap(255, 255, 255)
                                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 238,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(CancelLayout.createSequentialGroup()
                                .addGap(338, 338, 338)
                                .addComponent(jButton7)))
                        .addContainerGap(263, Short.MAX_VALUE))
        );
        CancelLayout.setVerticalGroup(
            CancelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(CancelLayout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel4)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jLabel21)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(BookingTF, javax.swing.GroupLayout.PREFERRED_SIZE, 29, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jButton6)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 150, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jButton7)
                .addGap(29, 29, 29))
        );

        ParentPanel.add(Cancel, "card4");

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(ParentPanel, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(BookingCancellation, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(BookingCancellation, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(ParentPanel, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );

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

```java
private void ContinueActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Book1.setVisible(false);
    Book2.setVisible(true);
    Cancel.setVisible(false);
    arrlb.setText(arrDate);
    deplb.setText(depDate);
    rclb.setText(roomCode);
    cpdlb.setText(ChargesPerDay);
    tclb.setText(""+totalCharges);
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Book1.setVisible(true);
    Book2.setVisible(false);
    Cancel.setVisible(false);

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Book1.setVisible(false);
    Book2.setVisible(false);
    Cancel.setVisible(true);
}

private void SearchActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
SimpleDateFormat format = new SimpleDateFormat("yyyy-MM-dd");
Date arr=null;
Date dep = null;
try {
    arr = format.parse(format.format(arrD.getDate()));
    dep = format.parse(format.format(depD.getDate()));


}
catch(Exception e){
    e.printStackTrace();
}
if(arr.after(sysDate)){
if (dep.after(arr)){
long diff = dep.getTime()-arr.getTime();
    long hours = diff/(60*60*1000);
    long days = hours/24;
    lb2.setText(Long.toString(days));
    Integer i = (int) (long) days;
    arrDate=format.format(arr);
    depDate=format.format(dep);
    String rcode=rcb.getSelectedItem().toString();
    roomCode=rcb.getSelectedItem().toString();
    try {
        Class.forName("java.sql.Driver");
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
        Statement stmt = con.createStatement();
        String sql = "delete from booking where toD<'"+systemDate+"'";
        stmt.executeUpdate(sql);


    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null,"Error in DB Connectivity");}
    try {
        Class.forName("java.sql.Driver");
```

```java
            Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
            Statement stmt = con.createStatement();
            String sql="Select price from room where code='"+rcode+"'";
            ResultSet rs=stmt.executeQuery(sql);
            rs.next();
            String str=rs.getString("price");
            ChargesPerDay=rs.getString("price");
            int fp = Integer.parseInt(str);
            int fp1;
            fp1=i*fp;
            totalCharges=fp1;
            lb1.setText("Room Code:"+rcode+"  Room Price:"+fp1);
            rs.close();
            stmt.close();
            con.close();
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null,"Error in DB Connectivity");}
    }
    else
      {
          JOptionPane.showMessageDialog(null,"Departure Date should be more than Arrival Date");
      }
    }
    else
      {
          JOptionPane.showMessageDialog(null,"Arrival Date should be equal or more than Current Date");
      }
    }

    private void BookingActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
      String roomno = rcb1.getSelectedItem().toString();
      String rcode=rclb.getText();
      String cname=ntf.getText();
      String addr=adtf.getText();
      String booking=bookingtf.getText();
      String gender=rcb.getSelectedItem().toString();
      Integer age=Integer.parseInt(agtf.getText());
      SimpleDateFormat format = new SimpleDateFormat("yyyy-MM-dd");
      Date arr=null;
      Date dep = null;
      try{
      arr=format.parse(arrDate);
      dep=format.parse(depDate);
      }
      catch(Exception e){
          e.printStackTrace();
    }
      try {
        Class.forName("java.sql.Driver");
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
        Statement stmt = con.createStatement();
        String query = "insert into booking values
('"+booking+"','"+cname+"','"+addr+"','"+gender+"','"+age+"','"+rcode+"','"+roomno+"','"+java.sql.Date.valueOf(arrDate)+"','"+java.sql.Date.valueOf(depDate)+"','"+totalCharges+"')";
        stmt.executeUpdate(query);
        JOptionPane.showMessageDialog(null,"Room Booked"+booking);
      }
        catch(Exception e){
        JOptionPane.showMessageDialog(null,"Room is Already Booked! Select another Room");}
    }

    private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String book1 = BookingTF.getText();
```

```java
      try {
        Class.forName("java.sql.Driver");
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
        Statement stmt = con.createStatement();
        String sql="Select booknumber,custname,roomnumber,fromD,toD from booking where booknumber='"+book1+"'";
        ResultSet rs=stmt.executeQuery(sql);
        rs.next();
        String str=rs.getString("booknumber");
        String str1=rs.getString("custname");
        String str2=rs.getString("roomnumber");
        String str3=rs.getString("fromD");
        String str4=rs.getString("toD");
        detailTA.setText("Booking Number:"+str+"\nCustomer Name:"+str1+"\nRoom Number:"+str2+"\nArrival
Date:"+str3+"\nDeparture Date:"+str4);
        rs.close();
        stmt.close();
        con.close();
      }
      catch(Exception e){
        JOptionPane.showMessageDialog(null,"Room Number Not Found");}

  }

  private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
     String book1 = BookingTF.getText();
     try {
        Class.forName("java.sql.Driver");
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
        Statement stmt = con.createStatement();
        String sql="Delete from booking where booknumber='"+book1+"'";
        stmt.executeUpdate(sql);
        stmt.close();
        con.close();
        JOptionPane.showMessageDialog(null,"Booking Cancelled");
      }
      catch(Exception e){
        JOptionPane.showMessageDialog(null,"Room Number Not Found");}
  }

  private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    MainMenu ma = new MainMenu();
    ma.setVisible(true);
    this.setVisible(false);
  }

   private void fillCombo(){
     try{
        Class.forName("java.sql.Driver");
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
        Statement stmt = con.createStatement();
        String sql = "select roomnumber from room";
        ResultSet rs = stmt.executeQuery(sql);
        while(rs.next()){
          String roomno=rs.getString("roomnumber");
          rcb1.addItem(roomno);

        }
      }
      catch(Exception e){
         JOptionPane.showMessageDialog(null,"Error in Dat afetching");
      }
    }
  private void systemDate(){
    SimpleDateFormat format = new SimpleDateFormat("yyyy-MM-dd");
```

```
    Calendar cal = Calendar.getInstance();
    cal.getTime();

    try{
    sysDate = format.parse(format.format(cal.getTime()));
    currDate.setText(format.format(cal.getTime()));
    systemDate=currDate.getText();
}
    catch (Exception e) {
      e.printStackTrace();
    }
}
```

Report:

```java
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.text.SimpleDateFormat;
import java.util.Date;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import java.text.*;
import java.awt.print.*;
import javax.swing.JTable;
import javax.swing.JTextArea;

public class Report extends javax.swing.JFrame {
    Date arr=null;
    Date dep = null;
    Integer td;

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton4 = new javax.swing.JButton();
        ParentPanel = new javax.swing.JPanel();
        ReservationStatus = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        mcb1 = new javax.swing.JComboBox<>();
        jButton5 = new javax.swing.JButton();
        jScrollPane3 = new javax.swing.JScrollPane();
        dtable = new javax.swing.JTable();
        jButton3 = new javax.swing.JButton();
        GenerateBill = new javax.swing.JPanel();
        jLabel3 = new javax.swing.JLabel();
        bookNTF = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        jButton6 = new javax.swing.JButton();
        jButton7 = new javax.swing.JButton();
        jScrollPane1 = new javax.swing.JScrollPane();
        billT = new javax.swing.JTable();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("REPORT");
        setBackground(new java.awt.Color(24, 56, 234));
        setBounds(new java.awt.Rectangle(0, 0, 0, 0));
        setForeground(new java.awt.Color(39, 74, 234));

        jPanel1.setBackground(new java.awt.Color(153, 153, 255));
        jPanel1.setBorder(new javax.swing.border.MatteBorder(null));
```

```java
        jLabel1.setFont(new java.awt.Font("Sylfaen", 1, 24)); // NOI18N
        jLabel1.setText("GENERATE REPORTS");

        jButton1.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        jButton1.setText("Reservation Status");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton2.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        jButton2.setText("Generate Bill");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jButton4.setText("Back");
        jButton4.setBorder(javax.swing.BorderFactory.createCompoundBorder());
        jButton4.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton4ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addGap(0, 0, Short.MAX_VALUE)
                .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 44, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(58, 58, 58))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(175, 175, 175)
                        .addComponent(jButton1)
                        .addGap(56, 56, 56)
                        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 142,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(239, 239, 239)
                        .addComponent(jLabel1)))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(112, 112, 112)
                        .addComponent(jButton4))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addContainerGap()
                        .addComponent(jLabel1)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
```

```java
        ParentPanel.setBackground(new java.awt.Color(191, 144, 247));
        ParentPanel.setBorder(new javax.swing.border.MatteBorder(null));
        ParentPanel.setLayout(new java.awt.CardLayout());

        ReservationStatus.setBackground(new java.awt.Color(255, 102, 255));
        ReservationStatus.setBorder(javax.swing.BorderFactory.createMatteBorder(2, 2, 2, 2, new java.awt.Color(0, 0, 0)));

        jLabel2.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 24)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 0, 0));
        jLabel2.setText("RESERVATION STATUS OF MONTH");

        mcb1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "01", "02", "03", "04", "05", "06", "07", "08",
"09", "10", "11", "12" }));

        jButton5.setText("Search");
        jButton5.addActionListener(new java.awt.event.ActionListener() {
          public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton5ActionPerformed(evt);
          }
        });

        dtable.setBackground(new java.awt.Color(255, 204, 204));
        dtable.setModel(new javax.swing.table.DefaultTableModel(
          new Object [][] {

          },
          new String [] {
            "booknumber", "custname", "address", "gender", "age", "roomcode", "roomnumber", "bill"
          }
        ) {
          Class[] types = new Class [] {
            java.lang.String.class, java.lang.String.class, java.lang.String.class, java.lang.String.class, java.lang.Integer.class,
java.lang.String.class, java.lang.String.class, java.lang.Integer.class
          };

          public Class getColumnClass(int columnIndex) {
            return types [columnIndex];
          }
        });
        jScrollPane3.setViewportView(dtable);

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

        javax.swing.GroupLayout ReservationStatusLayout = new javax.swing.GroupLayout(ReservationStatus);
        ReservationStatus.setLayout(ReservationStatusLayout);
        ReservationStatusLayout.setHorizontalGroup(
          ReservationStatusLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addGroup(ReservationStatusLayout.createSequentialGroup()
            .addGroup(ReservationStatusLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addGroup(ReservationStatusLayout.createSequentialGroup()
                .addGroup(ReservationStatusLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                  .addGroup(ReservationStatusLayout.createSequentialGroup()
                    .addGap(215, 215, 215)
                    .addComponent(jLabel2))
                  .addGroup(ReservationStatusLayout.createSequentialGroup()
                    .addGap(334, 334, 334)
                    .addComponent(mcb1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                  .addGroup(ReservationStatusLayout.createSequentialGroup()
                    .addGap(322, 322, 322)
```

```java
                .addComponent(jButton5)))
            .addGap(0, 254, Short.MAX_VALUE))
          .addGroup(ReservationStatusLayout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jScrollPane3)))
        .addContainerGap())
      .addGroup(ReservationStatusLayout.createSequentialGroup()
        .addGap(341, 341, 341)
        .addComponent(jButton3)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    ReservationStatusLayout.setVerticalGroup(
      ReservationStatusLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(ReservationStatusLayout.createSequentialGroup()
        .addGap(11, 11, 11)
        .addComponent(jLabel2)
        .addGap(6, 6, 6)
        .addComponent(mcb1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(6, 6, 6)
        .addComponent(jButton5)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED_SIZE, 228,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton3)
        .addContainerGap())
    );

    ParentPanel.add(ReservationStatus, "card2");

    GenerateBill.setBackground(new java.awt.Color(153, 255, 153));
    GenerateBill.setBorder(javax.swing.BorderFactory.createMatteBorder(3, 2, 2, 2, new java.awt.Color(0, 0, 0)));
    GenerateBill.setLayout(null);

    jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel3.setForeground(new java.awt.Color(204, 0, 0));
    jLabel3.setText("Enter Booking Number");
    GenerateBill.add(jLabel3);
    jLabel3.setBounds(150, 50, 150, 17);
    GenerateBill.add(bookNTF);
    bookNTF.setBounds(320, 40, 128, 30);

    jLabel4.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 36)); // NOI18N
    jLabel4.setForeground(new java.awt.Color(0, 0, 255));
    jLabel4.setText("Generate Bill");
    GenerateBill.add(jLabel4);
    jLabel4.setBounds(300, 10, 200, 30);

    jButton6.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jButton6.setText("View Details");
    jButton6.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
      }
    });
    GenerateBill.add(jButton6);
    jButton6.setBounds(329, 80, 100, 30);

    jButton7.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jButton7.setText("Generate Bill");
    jButton7.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton7ActionPerformed(evt);
      }
    });
```

```java
        GenerateBill.add(jButton7);
        jButton7.setBounds(320, 310, 130, 23);

        billT.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
        billT.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {

            },
            new String [] {
                "Booking Number", "Customer Name", "Address", "Gender", "Room Code", "Room Number", "Age", "Arrival Date",
"Departure Date", "Bill"
            }
        ) {
            Class[] types = new Class [] {
                java.lang.String.class, java.lang.String.class, java.lang.String.class, java.lang.String.class, java.lang.String.class,
java.lang.String.class, java.lang.Integer.class, java.lang.Object.class, java.lang.Object.class, java.lang.Integer.class
            };

            public Class getColumnClass(int columnIndex) {
                return types [columnIndex];
            }
        });
        jScrollPane1.setViewportView(billT);

        GenerateBill.add(jScrollPane1);
        jScrollPane1.setBounds(10, 140, 740, 130);

        ParentPanel.add(GenerateBill, "card4");

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(ParentPanel, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(ParentPanel, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );

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

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        MainMenu mm = new MainMenu();
        mm.setVisible(true);
        this.setVisible(false);
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        ReservationStatus.setVisible(true);
        GenerateBill.setVisible(false);

    }
```

```java
    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        ReservationStatus.setVisible(false);
        GenerateBill.setVisible(true);
    }

    private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String bookn=bookNTF.getText();
        DefaultTableModel model=(DefaultTableModel)billT.getModel();
        try{
            Class.forName("java.sql.Driver");
            Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
            Statement stmt = con.createStatement();
            String sql="Select booknumber,custname,address,gender,age,roomcode,roomnumber,fromD,toD,bill from booking
where booknumber='"+bookn+"'";
            ResultSet rs=stmt.executeQuery(sql);

            while(rs.next()){
                model.addRow(new Object[]{

rs.getString(1),rs.getString(2),rs.getString(3),rs.getString(4),rs.getInt(5),rs.getString(6),rs.getString(7),rs.getDate(8),rs.getDate(9),
rs.getInt(10)
                });

            }
            rs.close();
            stmt.close();
            con.close();

        }catch(Exception e){
            JOptionPane.showMessageDialog(null,"NO data");
        }
    }

    private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        MessageFormat header = new MessageFormat("HOTEL RAVAGE BOOKING STATUS");

        MessageFormat footer = new MessageFormat("THANKS FOR VISITING! PLEASE VISIT AGAIN");

        try{
            billT.print(JTable.PrintMode.NORMAL,header,footer);
        }
        catch (java.awt.print.PrinterException e){
            System.err.format("Cannot Print %s%n",e.getMessage());
        }


    }

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String mcode=mcb1.getSelectedItem().toString();
        DefaultTableModel model=(DefaultTableModel)dtable.getModel();
        try{
            Class.forName("java.sql.Driver");
            Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","123456");
            Statement stmt = con.createStatement();
            String sql="Select booknumber,custname,address,gender,age,roomcode,roomnumber,bill from booking where
month(fromD)='"+mcode+"'";
            ResultSet rs=stmt.executeQuery(sql);

            while(rs.next()){
```

```java
        model.addRow(new Object[]{
          rs.getString(1),rs.getString(2),rs.getString(3),rs.getString(4),rs.getInt(5),rs.getString(6),rs.getString(7),rs.getInt(8)
        });


      }
      rs.close();
      stmt.close();
      con.close();


    }catch(Exception e){
       JOptionPane.showMessageDialog(null,"NO data");
    }
  }

  private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    MessageFormat header = new MessageFormat("HOTEL RAVAGE BOOKING STATUS");

    MessageFormat footer = new MessageFormat("THANKS FOR VISITING! PLEASE VISIT AGAIN");

    try{
      dtable.print(JTable.PrintMode.NORMAL,header,footer);
    }
    catch (java.awt.print.PrinterException e){
      System.err.format("Cannot Print %s%n",e.getMessage());
    }
  }
}
```

MY SQL TABLE

```
mysql> use hotel;
Database changed
mysql> show tables;
+------------------+
| Tables_in_hotel  |
+------------------+
| booking          |
| login            |
| room             |
| value            |
+------------------+
4 rows in set (0.00 sec)

mysql> desc login;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| ID       | varchar(20) | YES  |     | NULL    |       |
| password | varchar(20) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
2 rows in set (0.11 sec)

mysql> desc room;
+------------+----------+------+-----+---------+-------+
| Field      | Type     | Null | Key | Default | Extra |
+------------+----------+------+-----+---------+-------+
| code       | char(10) | YES  |     | NULL    |       |
| roomnumber | char(20) | YES  | UNI | NULL    |       |
| price      | char(10) | YES  |     | NULL    |       |
+------------+----------+------+-----+---------+-------+
3 rows in set (0.01 sec)
```

```
mysql> desc booking;
+-------------+----------+------+-----+---------+-------+
| Field       | Type     | Null | Key | Default | Extra |
+-------------+----------+------+-----+---------+-------+
| booknumber  | char(15) | NO   | PRI |         |       |
| custname    | char(20) | YES  |     | NULL    |       |
| address     | char(30) | YES  |     | NULL    |       |
| gender      | char(6)  | YES  |     | NULL    |       |
| age         | int(11)  | YES  |     | NULL    |       |
| roomcode    | char(15) | YES  |     | NULL    |       |
| roomnumber  | char(15) | YES  | UNI | NULL    |       |
| fromD       | date     | YES  |     | NULL    |       |
| toD         | date     | YES  |     | NULL    |       |
| bill        | int(11)  | YES  |     | NULL    |       |
+-------------+----------+------+-----+---------+-------+
10 rows in set (0.01 sec)
```