OASIS – A FLIGHT BOOKING SYSTEM

Mini Project Report

Submitted in partial fulfilment of the Requirements for the COURSE

DATABASE MANAGEMENT SYSTEMS LAB

By

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DECLARATION BY CANDIDATE

We, V Dilip Reddy, Aripaka Manoj, M.S.S.K Kashyap, Bhanu Teja Vara Venkata bearing hall ticker numbers, 1602-21-737-080,1602-21-737-094,1602-21-737-110,1602-21-737-121, hereby declare that the project report titled "OASIS – A Flight Booking System" for the award of the degree of Bachelor of Engineering in Information Technology.

This is a record of bonafide work carried out by me and the results embodied in this project report have not been submitted to any other university or institute for the award of any other degree or diploma.

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ACKNOWLEDGEMENTS

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Abstract

The project aims to create an Airways application that models the routes between airports as a graph, where each airport is a vertex and the routes between them are edges with weights representing the distance or time taken to travel between the airports. Using graph algorithms such as Dijkstra's or Bellman-Ford, the application will find the shortest path between a starting and destination airport and display the corresponding flights to the user.

Additional features can be implemented to make the application more useful for users, such as filtering flights based on user preferences, comparing prices of flights from different airlines, and allowing users to book their flights directly through the application.

ER DIAGRAM
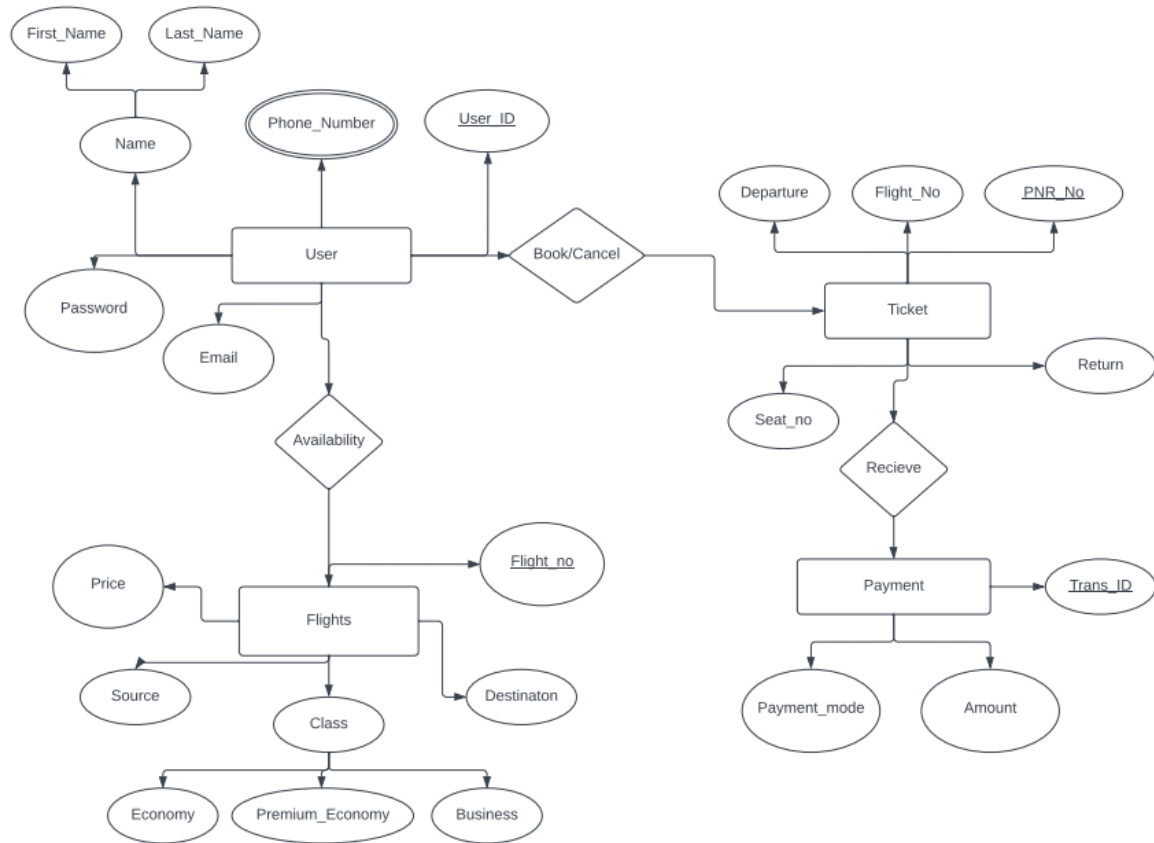
ARCHITECTURE

JAVA SWINGS

Java swing tutorial is a part of Java Foundation Classes (JFC) that is used to create window-based applications. It is built on the top of AWT (Abstract Windowing Toolkit) API and entirely written in java. Java swing provides platform independent and lightweight components. The javax.swing package provides classes for Java swing API such as Jbutton, JTextField, JTextArea, JCheckbox, JOptionPane etc. which we have used to perform various functions in our project

SQL

Structured Query Language (SQL) is a database query language used for storing and managing data in Relational DBMS. SQL was the first commercial language introduced for E.F Codd's Relational model of database. Today almost all RDBMS (MySQL, Oracle, Infomix, Sybase, MS Access) use SQL as the standard database query language. SQL is used to perform all types of data operations in RDBMS. We have used Oracle database to implement our project.

JDBC

JDBC (Java Database Connectivity) is an API that provides a standard interface for connecting Java applications to relational databases. It allows developers to perform various database operations like querying, updating, and managing data through Java code. By utilizing JDBC, developers can establish connections to databases, execute SQL statements, retrieve and manipulate result sets, and handle transactions. JDBC is widely used in projects involving database-driven applications, such as web applications, desktop applications, and enterprise systems, enabling seamless integration with databases like MySQL, Oracle, and SQL Server. Its versatility, portability, and ease of use make JDBC an essential component for Java developers working with databases.

Netbeans

NetBeans is an open-source integrated development environment (IDE) primarily used for Java development. It provides a comprehensive set of tools and features to streamline the software development process. NetBeans offers a user-friendly interface, code editing

capabilities, debugging tools, and project management functionalities. It supports multiple programming languages and frameworks, allowing developers to work on diverse projects. NetBeans facilitates the creation of desktop, web, and mobile applications, providing features like code generation, version control integration, and GUI design tools. It also supports plugins and extensions, enabling developers to customize their environment. With its rich set of features, NetBeans is a popular choice for Java developers to efficiently build and maintain their projects.

TECHNOLOGY

SOFTWARE REQUIREMENTS

The following are the software used in our project –

☐ Java SE version 15.0.2

☐ Oracle 11g database – SQLPLUS 11.2.0.2.0

HARDWARE REQUIREMENTS

The hardware interface requirements ensure the software executes all requests

given by the user efficiently. They are –

☐ Processor – Intel core i5 and above

☐ RAM – Minimum 2GB/4GB and above

TABELS USED

- ## AIRPORTS TABLE

```
Name                                     Null?    Type
---------------------------------------- -------- ----------------------------
 AIRPORT_CODE                            NOT NULL VARCHAR2(5)
 AIRPORT_NAME                                     VARCHAR2(20)
 COUNTRY                                          VARCHAR2(10)
 LONGITUDE                               NOT NULL VARCHAR2(10)
 LATITUDE                                NOT NULL VARCHAR2(20)
```

- ## FLIGHTS TABLE

```
Name                                     Null?    Type
---------------------------------------- -------- ----------------------------
 FLIGHT_CODE                             NOT NULL VARCHAR2(5)
 FLIGHT_MODEL                                     VARCHAR2(10)
 SOURCE                                  NOT NULL VARCHAR2(5)
 DESTINATION                             NOT NULL VARCHAR2(5)
 ECONOMY_SEATS                                    NUMBER
 PREM_ECO_SEATS                                   NUMBER
 BUISINESS_SEATS                                  NUMBER
 FIRSTCLASS_SEATS                                 NUMBER
 ECONOMY_PRIZE                                    NUMBER(5,3)
 BUISINESS_PRIZE                                  NUMBER(5,3)
 PREM_ECO_PRIZE                                   NUMBER(5,3)
 FIRSTCLASS_PRIZE                                 NUMBER(5,3)
```

- ## PAYMENTS TABLE

```
Name                                    Null?    Type
---------------------------------------- -------- ----------------------------
 TRANSACTION_ID                          NOT NULL VARCHAR2(10)
 AMOUNT                                           NUMBER(7,3)
 EMAIL_ID                                         VARCHAR2(30)
 PAYMENT_MODE                                     VARCHAR2(10)
```

- ## TICKETS TABLE

```
Name                                    Null?    Type
---------------------------------------- -------- ----------------------------
 TICKET_NO                               NOT NULL VARCHAR2(10)
 FLIGHT_CODE                                      VARCHAR2(10)
 CUSTOMER_ID                                      NUMBER
 DAY_OF_JOURNEY                                   DATE
 TRANSACTION_ID                                   VARCHAR2(10)
```

- ## USERS TABLE

```
Name                                    Null?    Type
---------------------------------------- -------- ----------------------------
 USER_ID                                 NOT NULL NUMBER
 PASS                                    NOT NULL VARCHAR2(16)
 FIRST_NAME                                       VARCHAR2(10)
 LAST_NAME                                        VARCHAR2(10)
 EMAIL_ID                                         VARCHAR2(20)
 ADHAAR_NO                                        NUMBER
 GENDER                                           VARCHAR2(10)
 MOBILE_NUM                                       NUMBER
 ADDRESS                                          VARCHAR2(30)
```

EXECUTION AND CODE

```
//CODE FOR THE MAIN PAGE
package Oasis;

/**
 *
 * @author bhanutejavaravenkata
 */
public class Main_2 extends javax.swing.JFrame {

    /**
     * Creates new form Main
     */
    public Main_2() {
        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() {

        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jTextField4 = new javax.swing.JTextField();
        jComboBox1 = new javax.swing.JComboBox<>();
        jSpinner1 = new javax.swing.JSpinner();
        jSpinner2 = new javax.swing.JSpinner();
        jSpinner3 = new javax.swing.JSpinner();
        jButton1 = new javax.swing.JButton();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
```

```java
jLabel3 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jSlider1 = new javax.swing.JSlider();

jLabel1 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = 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();

jLabel17 = new javax.swing.JLabel();

jCheckBox1 = new javax.swing.JCheckBox();

jSpinner4 = new javax.swing.JSpinner();

jLabel19 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jLabel20 = new javax.swing.JLabel();

jLabel16 = new javax.swing.JLabel();

jLabel18 = new javax.swing.JLabel();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

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


jTextField2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0),
2));

getContentPane().add(jTextField2, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 160,
390, 50));


jTextField3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0),
2));

getContentPane().add(jTextField3, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 270,
390, 50));


jTextField4.setText("DD/MM/YYYY");

jTextField4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0)));

getContentPane().add(jTextField4, new org.netbeans.lib.awtextra.AbsoluteConstraints(270, 350,
140, 30));
```

```java
        jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Item 1", "Item 2",
"Item 3", "Item 4" }));

        jComboBox1.setAutoscrolls(true);

        jComboBox1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        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(180, 420,
160, 30));

        jComboBox1.removeAllItems();

        jComboBox1.addItem("Economy");

        jComboBox1.addItem("Business");

        jComboBox1.addItem("Premium Economy");

        jComboBox1.addItem("First Class");


        jSpinner1.setModel(new javax.swing.SpinnerNumberModel(0, 0, null, 1));

        jSpinner1.setAutoscrolls(true);

        jSpinner1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        getContentPane().add(jSpinner1, new org.netbeans.lib.awtextra.AbsoluteConstraints(300, 490,
90, 30));


        jSpinner2.setModel(new javax.swing.SpinnerNumberModel(0, 0, null, 1));

        jSpinner2.setAutoscrolls(true);

        jSpinner2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        getContentPane().add(jSpinner2, new org.netbeans.lib.awtextra.AbsoluteConstraints(380, 420,
90, 30));


        jSpinner3.setModel(new javax.swing.SpinnerNumberModel(0, 0, null, 1));

        jSpinner3.setAutoscrolls(true);

        jSpinner3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        getContentPane().add(jSpinner3, new org.netbeans.lib.awtextra.AbsoluteConstraints(180, 490,
90, 30));


        jButton1.setBackground(new java.awt.Color(0, 83, 212));

        jButton1.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 24)); // NOI18N

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

        jButton1.setText("CHECK AVAILABILITY");

        jButton1.setAutoscrolls(true);

        jButton1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

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

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

            jButton1ActionPerformed(evt);

        }

    });

    getContentPane().add(jButton1, new org.netbeans.lib.awtextra.AbsoluteConstraints(200, 620,
300, 50));


    jLabel4.setFont(new java.awt.Font("Kailasa", 1, 36)); // NOI18N

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

    jLabel4.setText("MAKE YOUR ");

    getContentPane().add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(670, 250, -1,
-1));


    jLabel5.setFont(new java.awt.Font("Kailasa", 1, 36)); // NOI18N

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

    jLabel5.setText("RESERVATIONS");

    getContentPane().add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(670, 290, -1,
-1));


    jLabel6.setFont(new java.awt.Font("Kailasa", 1, 18)); // NOI18N

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

    jLabel6.setText("Oasis is a user-friendly travel app that simplifies the process of booking
airline tickets.");

    getContentPane().add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(670, 390, -1,
-1));


    jLabel7.setFont(new java.awt.Font("Kailasa", 1, 18)); // NOI18N

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

    jLabel7.setText("It offers an extensive selection of flights from various airlines,
allowing");

    getContentPane().add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(670, 420, -1,
-1));


    jLabel3.setFont(new java.awt.Font("Kailasa", 1, 18)); // NOI18N

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

    jLabel3.setText("users to find the best options based on their preferences and budget.");

    getContentPane().add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(670, 450, -1,
-1));

    getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(-180, 0, -1, -
1));


    jButton2.setText("Login");

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

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

```java
                jButton2ActionPerformed(evt);
            }
        });
        getContentPane().add(jButton2, new org.netbeans.lib.awtextra.AbsoluteConstraints(1290, 70, -1,
-1));


        jButton3.setText("Sign Up");
        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(1370, 70, -1,
-1));
        getContentPane().add(jSlider1, new org.netbeans.lib.awtextra.AbsoluteConstraints(250, 560, -1,
-1));
        jSlider1.setValue(0);
        jSlider1.setMinimum(0);
        jSlider1.setMaximum(3);


        jLabel1.setText("0                 1                 2                 3");
        getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(260, 580, -1,
-1));


        jLabel8.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel8.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/javaapplication1/cal.jpg"))); // NOI18N
        jLabel8.setText("DATE OF TRAVEL");
        getContentPane().add(jLabel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(270, 330, -1,
-1));


        jLabel9.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 18)); // NOI18N
        jLabel9.setText("TO");
        getContentPane().add(jLabel9, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 240, -1,
-1));


        jLabel10.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel10.setText("TICKETS");
        getContentPane().add(jLabel10, new org.netbeans.lib.awtextra.AbsoluteConstraints(380, 400, -1,
-1));


        jLabel11.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel11.setText("ADULTS(>18)");
```

```
        getContentPane().add(jLabel11, new org.netbeans.lib.awtextra.AbsoluteConstraints(180, 470, -1,
-1));


        jLabel12.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel12.setText("CHILDREN(>2)");

        getContentPane().add(jLabel12, new org.netbeans.lib.awtextra.AbsoluteConstraints(300, 470, -1,
-1));


        jLabel13.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel13.setText("NUMBER OF STOPS");

        getContentPane().add(jLabel13, new org.netbeans.lib.awtextra.AbsoluteConstraints(280, 540, -1,
-1));


        jLabel14.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel14.setText("CLASS");

        getContentPane().add(jLabel14, new org.netbeans.lib.awtextra.AbsoluteConstraints(180, 400, -1,
-1));


        jLabel15.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 18)); // NOI18N

        jLabel15.setText("FROM");

        getContentPane().add(jLabel15, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 130, -1,
-1));


        jLabel17.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 48)); // NOI18N

        jLabel17.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/javaapplication1/images.jpg"))); // NOI18N

        jLabel17.setText("OASIS");

        getContentPane().add(jLabel17, new org.netbeans.lib.awtextra.AbsoluteConstraints(260, 60, -1,
-1));


        jCheckBox1.setText("TWO-WAY");

        jCheckBox1.addActionListener(new java.awt.event.ActionListener() {

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

                jCheckBox1ActionPerformed(evt);

            }

        });

        getContentPane().add(jCheckBox1, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 340, -
1, -1));


        jSpinner4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        getContentPane().add(jSpinner4, new org.netbeans.lib.awtextra.AbsoluteConstraints(420, 490,
80, 30));


        jLabel19.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
```

```java
        jLabel19.setText("INFANTS(<2)");

        getContentPane().add(jLabel19, new org.netbeans.lib.awtextra.AbsoluteConstraints(420, 470, -1,
-1));


        jTextField1.setText("DD/MM/YYYY");

        jTextField1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0)));

        getContentPane().add(jTextField1, new org.netbeans.lib.awtextra.AbsoluteConstraints(430, 350,
150, 30));

        jTextField1.setVisible(false);


        jLabel20.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel20.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/javaapplication1/cal.jpg"))); // NOI18N

        jLabel20.setText("DATE OF RETURN");

        getContentPane().add(jLabel20, new org.netbeans.lib.awtextra.AbsoluteConstraints(430, 330, -1,
-1));

        jLabel20.setVisible(false);


        jLabel16.setBackground(new java.awt.Color(255, 255, 255));

        jLabel16.setBorder(new javax.swing.border.MatteBorder(null));

        jLabel16.setOpaque(true);

        getContentPane().add(jLabel16, new org.netbeans.lib.awtextra.AbsoluteConstraints(130, 50, 480,
680));


        jLabel18.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/javaapplication1/aa.jpg"))); // NOI18N

        jLabel18.setText("jLabel18");

        getContentPane().add(jLabel18, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, -30, 1600,
940));


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


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

        // TODO add your handling code here:

    }


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

        // TODO add your handling code here:

        dispose();

        /* 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(login.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
       } catch (InstantiationException ex) {

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

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

java.util.logging.Logger.getLogger(login.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 login().setVisible(true);
           }
       });
   }


   private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
       // TODO add your handling code here:
       dispose();
       try {
           for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
               if ("Nimbus".equals(info.getName())) {
                   javax.swing.UIManager.setLookAndFeel(info.getClassName());
```

```java
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

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

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

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

java.util.logging.Logger.getLogger(FlightList.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 FlightList().setVisible(true);
        }
    });
}


private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    dispose();
    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.SEVERE, null,
ex);
```

```java
        } catch (InstantiationException ex) {

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

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

java.util.logging.Logger.getLogger(SignUP.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 SignUP().setVisible(true);
            }
        });
    }


    private void jCheckBox1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if(jCheckBox1.isSelected()){
            jTextField1.setVisible(true);
            jLabel20.setVisible(true);
        }
        else{
            jTextField1.setVisible(false);
            jLabel20.setVisible(false);
        }
    }


    /**
     * @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
```

```java
         */
        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(Main_2.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Main_2.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Main_2.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Main_2.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
        }
        //</editor-fold>
        //</editor-fold>


        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Main_2().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.JCheckBox jCheckBox1;
    private javax.swing.JComboBox<String> jComboBox1;
    private javax.swing.JLabel jLabel1;
```

```java
        private javax.swing.JLabel jLabel10;
        private javax.swing.JLabel jLabel11;
        private javax.swing.JLabel jLabel12;
        private javax.swing.JLabel jLabel13;
        private javax.swing.JLabel jLabel14;
        private javax.swing.JLabel jLabel15;
        private javax.swing.JLabel jLabel16;
        private javax.swing.JLabel jLabel17;
        private javax.swing.JLabel jLabel18;
        private javax.swing.JLabel jLabel19;
        private javax.swing.JLabel jLabel2;
        private javax.swing.JLabel jLabel20;
        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.JSlider jSlider1;
        private javax.swing.JSpinner jSpinner1;
        private javax.swing.JSpinner jSpinner2;
        private javax.swing.JSpinner jSpinner3;
        private javax.swing.JSpinner jSpinner4;
        private javax.swing.JTextField jTextField1;
        private javax.swing.JTextField jTextField2;
        private javax.swing.JTextField jTextField3;
        private javax.swing.JTextField jTextField4;
        // End of variables declaration
}
```
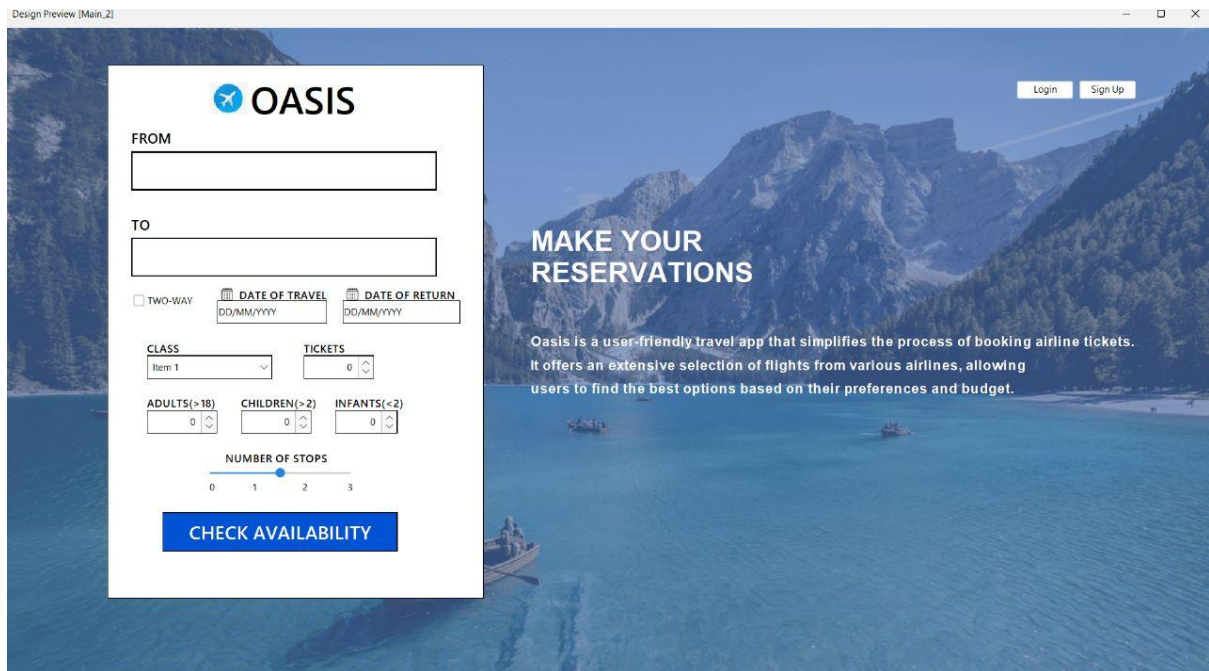
```
//CODE FOR LOGIN PAGE

package Oasis;

import java.io.*;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;


/**
 *
 * @author aripakamanoj
 */
public class login extends javax.swing.JFrame {

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

        jTextField1 = new javax.swing.JTextField();
        jPasswordField1 = new javax.swing.JPasswordField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jPanel1 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jTextField1.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 1, true));
        getContentPane().add(jTextField1, new org.netbeans.lib.awtextra.AbsoluteConstraints(170, 350,
520, 50));

        jPasswordField1.setText("jPasswordField1");
        jPasswordField1.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 1,
true));
        getContentPane().add(jPasswordField1, new org.netbeans.lib.awtextra.AbsoluteConstraints(170,
460, 520, 50));

        jButton1.setForeground(new java.awt.Color(51, 51, 255));
        jButton1.setText("LOGIN");
        jButton1.setBorder(javax.swing.BorderFactory.createEtchedBorder());
        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(380, 530, 100,
50));

        jButton2.setForeground(new java.awt.Color(255, 0, 0));
        jButton2.setText("Create New");
```

```java
        jButton2.setBorder(javax.swing.BorderFactory.createEtchedBorder());
        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(470, 680, 150,
50));


        jPanel1.setOpaque(false);
        jPanel1.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jPanel1MouseClicked(evt);
            }
        });
        getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(880, 200, 220,
50));


        jLabel2.setIcon(new
javax.swing.ImageIcon("C:\\Users\\aripa\\OneDrive\\Documents\\NetBeansProjects\\JavaApplication1\\src\
\javaapplication1\\aa2.png")); // NOI18N

        getContentPane().add(jLabel2,  new  org.netbeans.lib.awtextra.AbsoluteConstraints(70,  10,  -1,
770));


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


    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String user = jTextField1.getText();
        String pass = jPasswordField1.getText();
        System.out.println(user+" "+pass);
        boolean flag = false;



        try{
                    Class.forName("oracle.jdbc.OracleDriver");
                    Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","manoj","manoj");
                    Statement stmt=con.createStatement();
                    ResultSet rs=stmt.executeQuery("select * from user_details");
                    while(rs.next()){
                        //System.out.println(rs.getString(4)+rs.getString(5));
```

```java
                            if (user.equals(rs.getString(4)) && pass.equals(rs.getString(5))){

                                flag = true;


                                break;

                            }

                    }

                    if (flag) System.out.println("YAYY");

                    else System.out.println("nope");

                    con.close();

                }

                catch(Exception e){

                     System.out.println(e);

                }

        dispose();

        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(Main_2.class.getName()).log(java.util.logging.Level.SEVERE,    null,
        ex);

        } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(Main_2.class.getName()).log(java.util.logging.Level.SEVERE,    null,
        ex);

        } catch (IllegalAccessException ex) {

        java.util.logging.Logger.getLogger(Main_2.class.getName()).log(java.util.logging.Level.SEVERE,    null,
        ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

        java.util.logging.Logger.getLogger(Main_2.class.getName()).log(java.util.logging.Level.SEVERE,    null,
        ex);

        }

        //</editor-fold>

        //</editor-fold>


        /* Create and display the form */

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

```java
        public void run() {

            new Main_2().setVisible(true);

        }

    });

    /*if ((us.equals(user))&&(pw.equals(pass))){

        System.out.println("SUCCSES");

    }*/

}


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

        // TODO add your handling code here:

        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.SEVERE,    null,
ex);

        } catch (InstantiationException ex) {

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

        } catch (IllegalAccessException ex) {

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

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(SignUP.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 SignUP().setVisible(true);

            }

        });
```

```java
    }


    private void jPanel1MouseClicked(java.awt.event.MouseEvent evt) {

        // TODO add your handling code here:

        System.out.println("Hello Boss");

        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(AdminDia.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);

        } catch (InstantiationException ex) {

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

        } catch (IllegalAccessException ex) {

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

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

        }

        //</editor-fold>


        /* Create and display the dialog */

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

            public void run() {

                AdminDia dialog = new AdminDia(new javax.swing.JFrame(), true);

                dialog.addWindowListener(new java.awt.event.WindowAdapter() {

                    @Override

                    public void windowClosing(java.awt.event.WindowEvent e) {

                        System.exit(0);

                    }

                });

                dialog.setVisible(true);

            }
```

```java
        });
    }


    /**
     * @param args the command line arguments
     */


    /*
    void connector(){
        try{

                    Class.forName("oracle.jdbc.OracleDriver");

        con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","manoj","manoj");

                    stmt=con.createStatement();

                    rs=stmt.executeQuery("select * from airports");

                    //while(rs.next())

                    //      System.out.println(rs.getString(1)+"                "+rs.getString(2)+"
"+rs.getString(3)+"  "+rs.getString(4)+"  "+rs.getString(5));

                    //    stmt.executeUpdate("INSERT INTO AIRPORTS VALUES(17.2405,78.4294,'Rajiv Gandhi
International Airport','India','RGIA')");

                    con.close();

            }
            catch(Exception e){

                    System.out.println(e);

            }
    }
    String getUser(){
        try{
        rs.next();
        return rs.getString(4);
        }catch (Exception e){}
        return "";
    }
    String getPass(){
        try{
        return rs.getString(5);
        }catch(Exception e){}
        return "";
    }
    */
    String u;
    String p;
```

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

    private javax.swing.JButton jButton1;

    private javax.swing.JButton jButton2;

    private javax.swing.JLabel jLabel2;

    private javax.swing.JPanel jPanel1;

    private javax.swing.JPasswordField jPasswordField1;

    private javax.swing.JTextField jTextField1;

    // End of variables declaration

}
```
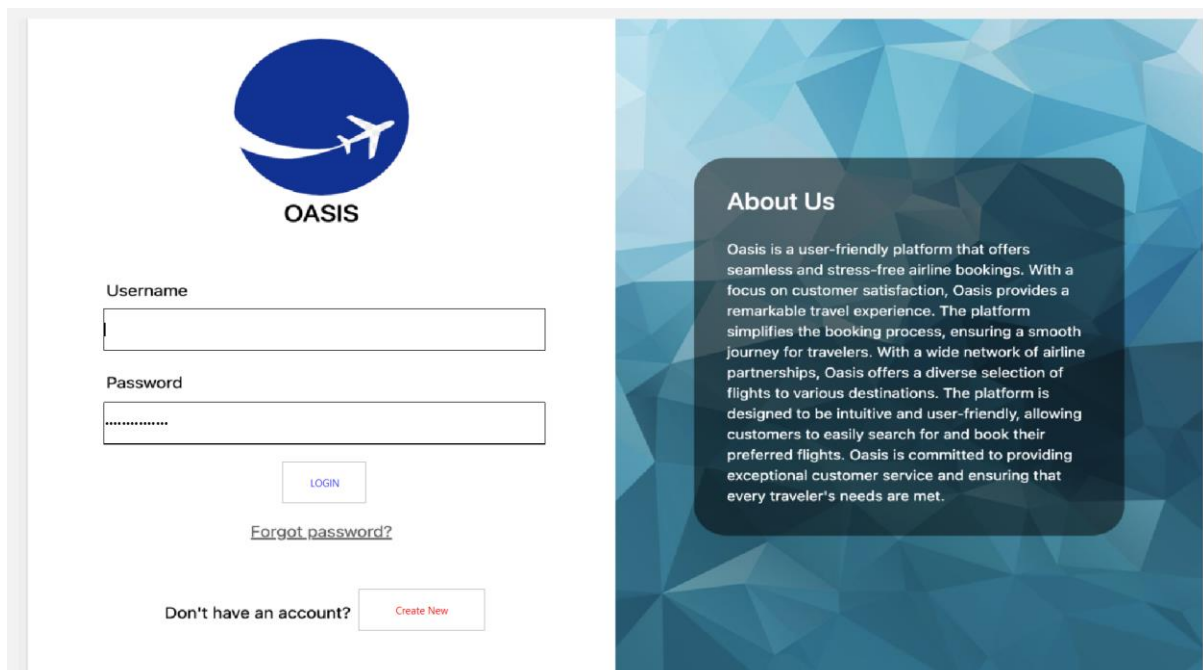


```java
//CODE FOR SIGNUP PAGE

package Oasis;


import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;


/**

 *

 * @author dilip
```

```java
 */
public class SignUP extends javax.swing.JFrame {

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

        jPanel2 = new javax.swing.JPanel();
        jPanel1 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jPasswordField1 = new javax.swing.JPasswordField();
        jPasswordField2 = new javax.swing.JPasswordField();
        jTextField4 = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        jCheckBox1 = new javax.swing.JCheckBox();
        jCheckBox2 = new javax.swing.JCheckBox();
        jLabel9 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
```

```java
        jTextField5 = new javax.swing.JTextField();
        jToolBar1 = new javax.swing.JToolBar();


        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 100, Short.MAX_VALUE)
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 100, Short.MAX_VALUE)
        );


        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);


        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        jPanel1.setMinimumSize(new java.awt.Dimension(1230, 1090));
        jPanel1.setName(""); // NOI18N
        jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());


        jLabel2.setFont(new java.awt.Font("Trebuchet MS", 1, 48)); // NOI18N
        jLabel2.setText("  SIGN UP");
        jLabel2.setToolTipText("");
        jPanel1.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(780, 30, 320, 70));


        jTextField1.setToolTipText("");
        jTextField1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
        jPanel1.add(jTextField1, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 130, 370, 40));


        jTextField2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
        jPanel1.add(jTextField2, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 280, 370, 40));


        jTextField3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
        jPanel1.add(jTextField3, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 360, 280, 40));


        jPasswordField1.setBorder(javax.swing.BorderFactory.createLineBorder(new  java.awt.Color(0,  0,
0)));
        jPanel1.add(jPasswordField1,  new  org.netbeans.lib.awtextra.AbsoluteConstraints(650,  440,  280,
40));
```

```java
        jPasswordField2.setBorder(javax.swing.BorderFactory.createLineBorder(new  java.awt.Color(0,  0,
0)));

        jPanel1.add(jPasswordField2, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 520, 280,
40));


        jTextField4.setText("jTextField4");

        jTextField4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        jPanel1.add(jTextField4, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 600, 370, 40));


        jLabel4.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel4.setText("Last Name*");

        jPanel1.add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 250, -1, 30));


        jLabel5.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel5.setText("Phone Number*");

        jPanel1.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 330, -1, 30));


        jLabel6.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel6.setText("Password*");

        jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 410, -1, 30));


        jLabel7.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel7.setText("Confirm Password*");

        jPanel1.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 490, -1, 30));


        jLabel8.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel8.setText("Email ID*");

        jPanel1.add(jLabel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 570, 110, 30));


        jButton1.setBackground(new java.awt.Color(0, 102, 255));

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

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

        jButton1.setText("SUBMIT");

        jButton1.setAlignmentX(0.3F);

        jButton1.setAlignmentY(0.0F);

        jButton1.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));

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

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

                jButton1ActionPerformed(evt);

            }

        });
```

```java
        jPanel1.add(jButton1, new org.netbeans.lib.awtextra.AbsoluteConstraints(810, 700, 130, 40));


        jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/javaapplication1/bck.jpeg"))); // NOI18N
        jLabel1.setText("jLabel1");
        jPanel1.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 610, 1080));


        jCheckBox1.setForeground(new java.awt.Color(0, 51, 204));
        jCheckBox1.setText("Accept all terms and conditions");

jCheckBox1.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED
));
        jCheckBox1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jCheckBox1ActionPerformed(evt);
            }
        });
        jPanel1.add(jCheckBox1, new org.netbeans.lib.awtextra.AbsoluteConstraints(640, 650, 250, -1));


        jCheckBox2.setForeground(new java.awt.Color(0, 51, 204));
        jCheckBox2.setText("Recieve mails and updates");

jCheckBox2.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED
));
        jPanel1.add(jCheckBox2, new org.netbeans.lib.awtextra.AbsoluteConstraints(910, 650, -1, -1));


        jLabel9.setText("jLabel9");
        jPanel1.add(jLabel9, new org.netbeans.lib.awtextra.AbsoluteConstraints(150, 460, 330, 260));


        jLabel10.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel10.setText("Username");
        jPanel1.add(jLabel10, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 100, -1, 30));


        jLabel11.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel11.setText("First Name*");
        jPanel1.add(jLabel11, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 170, -1, 30));


        jTextField5.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
        jPanel1.add(jTextField5, new org.netbeans.lib.awtextra.AbsoluteConstraints(650, 200, 370, 40));


        jToolBar1.setRollover(true);
        jPanel1.add(jToolBar1, new org.netbeans.lib.awtextra.AbsoluteConstraints(1070, 50, -1, -1));
```

```java
        getContentPane().add(jPanel1, java.awt.BorderLayout.CENTER);


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


    private void jCheckBox1ActionPerformed(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 count_con = 0;
        String user_id = jTextField1.getText();
        String first_name = jTextField5.getText();
        String last_name = jTextField2.getText();
        String num = jTextField3.getText();
        String pwd = jPasswordField1.getText();
        String pwd_c = jPasswordField1.getText();
        String email = jTextField4.getText();
        boolean check = false;
        check = jCheckBox1.isSelected();
        if ((check)&&(pwd.equals(pwd_c))&&(num.length()==10)){
            boolean flag = false;



                try{
                        Class.forName("oracle.jdbc.OracleDriver");
                        Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","manoj","manoj");
                        Statement stmt=con.createStatement();
                        ResultSet rs=stmt.executeQuery("select * from user_details");
                        while(rs.next()){
                            //System.out.println(rs.getString(4)+rs.getString(5));
                                if (user_id.equals(rs.getString(4))) {
                                    flag = true;
                                    break;
                                }
                        }
                        if (!flag){
                            System.out.println("YAYY");
```

```java
                    try{

                        Class.forName("oracle.jdbc.OracleDriver");

con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","manoj","manoj");

                        stmt=con.createStatement();

                        //ResultSet rs=stmt.executeQuery("select * from airports");

                        //while(rs.next())

                        //      System.out.println(rs.getString(1)+"        "+rs.getString(2)+"
"+rs.getString(3)+"   "+rs.getString(4)+"   "+rs.getString(5));

                        String sql_cmd = "INSERT INTO USER_DETAILS VALUES ('" + first_name +
"','" + last_name + "','" + email + "','" + user_id + "','" + pwd + "','" + num + "')";

                    //        String sql_cmd = "INSERT INTO USER_DETAILS VALUES ('" + first_name +
"','" + last_name + "','" + email + "','" + user_id + "','" + pwd + "','" + num + "')";

                        String   cmd   =   "insert   into   user_details   values   ('Bhanu',
'Teja','bhanuteja@gmail.com','btj_v','bhanu','8333049933')";


                        stmt.executeUpdate(sql_cmd);

                        System.out.println("Inserted");

                    }

                    catch(Exception e){

                        //System.out.println(e);

                    }

                }

                else{

                    System.out.println("already exists");

                }

                con.close();

            }

            catch(Exception e){

                    System.out.println(e);

            }


        }

        else{

            String err = "";

            if (!pwd.equals(pwd_c))

                err = "Password Missmatch";

            if (!check)

                err = "check the box";

            if (num.length()<10)

                err = "Enter valid Number";

    //  jLabel3.setText(err);
```

```java
//        error.setForeground(new java.awt.Color(255, 0, 0));

 //     error.setText(err);

 //     jPanel1.add(error, new org.netbeans.lib.awtextra.AbsoluteConstraints(990, 700, 110, 50));

        }

        dispose();

        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(Main_2.class.getName()).log(java.util.logging.Level.SEVERE,    null,
ex);

        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Main_2.class.getName()).log(java.util.logging.Level.SEVERE,    null,
ex);

        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Main_2.class.getName()).log(java.util.logging.Level.SEVERE,    null,
ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Main_2.class.getName()).log(java.util.logging.Level.SEVERE,    null,
ex);

        }

        //</editor-fold>

        //</editor-fold>


        /* Create and display the form */

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

            public void run() {

                new Main_2().setVisible(true);

            }

        });


    }
```

```java
    // private javax.swing.JLabel error;
    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JCheckBox jCheckBox1;
    private javax.swing.JCheckBox jCheckBox2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel2;
    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.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPasswordField jPasswordField1;
    private javax.swing.JPasswordField jPasswordField2;
    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.JToolBar jToolBar1;
    // End of variables declaration
}
```

```java
//CODE TO DISPLAY THE ROUTES AVAILABLE, RESERVATION AND PAYMENTS
package Oasis;

/**
 *
 * @author kashyapm
 */
public class FlightList extends javax.swing.JFrame {

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

    jTabbedPane1 = new javax.swing.JTabbedPane();
    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel6 = new javax.swing.JPanel();
    jLabel6 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jScrollPane1 = new javax.swing.JScrollPane();
    jPanel10 = new javax.swing.JPanel();
    jPanel11 = new javax.swing.JPanel();
    jLabel5 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    jButton4 = new javax.swing.JButton();
    jPanel12 = new javax.swing.JPanel();
    jLabel13 = new javax.swing.JLabel();
    jLabel14 = new javax.swing.JLabel();
    jLabel15 = new javax.swing.JLabel();
    jLabel16 = new javax.swing.JLabel();
    jButton5 = new javax.swing.JButton();
    jPanel13 = new javax.swing.JPanel();
    jLabel17 = new javax.swing.JLabel();
    jLabel18 = new javax.swing.JLabel();
    jLabel19 = new javax.swing.JLabel();
    jLabel20 = new javax.swing.JLabel();
    jButton7 = new javax.swing.JButton();
    jPanel14 = new javax.swing.JPanel();
    jLabel21 = new javax.swing.JLabel();
    jLabel22 = new javax.swing.JLabel();
    jLabel23 = new javax.swing.JLabel();
    jLabel24 = new javax.swing.JLabel();
```

```java
jButton8 = new javax.swing.JButton();
jPanel15 = new javax.swing.JPanel();
jLabel25 = new javax.swing.JLabel();
jLabel26 = new javax.swing.JLabel();
jLabel27 = new javax.swing.JLabel();
jLabel28 = new javax.swing.JLabel();
jButton6 = new javax.swing.JButton();
jPanel16 = new javax.swing.JPanel();
jLabel29 = new javax.swing.JLabel();
jLabel30 = new javax.swing.JLabel();
jLabel31 = new javax.swing.JLabel();
jLabel32 = new javax.swing.JLabel();
jButton9 = new javax.swing.JButton();
jPanel17 = new javax.swing.JPanel();
jLabel33 = new javax.swing.JLabel();
jLabel34 = new javax.swing.JLabel();
jLabel35 = new javax.swing.JLabel();
jLabel36 = new javax.swing.JLabel();
jButton10 = new javax.swing.JButton();
jPanel18 = new javax.swing.JPanel();
jLabel37 = new javax.swing.JLabel();
jLabel38 = new javax.swing.JLabel();
jLabel39 = new javax.swing.JLabel();
jLabel40 = new javax.swing.JLabel();
jButton11 = new javax.swing.JButton();
jPanel19 = new javax.swing.JPanel();
jLabel41 = new javax.swing.JLabel();
jLabel42 = new javax.swing.JLabel();
jLabel43 = new javax.swing.JLabel();
jLabel44 = new javax.swing.JLabel();
jButton12 = new javax.swing.JButton();
jLabel10 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
jPanel3 = new javax.swing.JPanel();
jLabel45 = new javax.swing.JLabel();
jPanel4 = new javax.swing.JPanel();
jLabel46 = new javax.swing.JLabel();
jLabel47 = new javax.swing.JLabel();
jLabel48 = new javax.swing.JLabel();
```

```java
jTextField1 = new javax.swing.JTextField();
jTextField2 = new javax.swing.JTextField();
jSpinner1 = new javax.swing.JSpinner();
jLabel49 = new javax.swing.JLabel();
jLabel50 = new javax.swing.JLabel();
jScrollPane2 = new javax.swing.JScrollPane();
jTextArea1 = new javax.swing.JTextArea();
jComboBox1 = new javax.swing.JComboBox<>();
jLabel51 = new javax.swing.JLabel();
jLabel52 = new javax.swing.JLabel();
jSeparator1 = new javax.swing.JSeparator();
jSeparator2 = new javax.swing.JSeparator();
jComboBox2 = new javax.swing.JComboBox<>();
jLabel53 = new javax.swing.JLabel();
jLabel54 = new javax.swing.JLabel();
jLabel55 = new javax.swing.JLabel();
jLabel56 = new javax.swing.JLabel();
jLabel57 = new javax.swing.JLabel();
jLabel58 = new javax.swing.JLabel();
jLabel60 = new javax.swing.JLabel();
jLabel61 = new javax.swing.JLabel();
jLabel62 = new javax.swing.JLabel();
jLabel63 = new javax.swing.JLabel();
jCheckBox1 = new javax.swing.JCheckBox();
jLabel59 = new javax.swing.JLabel();
jTextField3 = new javax.swing.JTextField();
jTextField4 = new javax.swing.JTextField();
jTextField5 = new javax.swing.JTextField();
jTextField6 = new javax.swing.JTextField();
jTextField7 = new javax.swing.JTextField();
jTextField8 = new javax.swing.JTextField();
jTextField9 = new javax.swing.JTextField();
jTextField10 = new javax.swing.JTextField();
jTextField11 = new javax.swing.JTextField();
jTextField12 = new javax.swing.JTextField();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jPanel1 = new javax.swing.JPanel();
jLayeredPane1 = new javax.swing.JLayeredPane();
jPanel5 = new javax.swing.JPanel();
```

```java
        jLabel64 = new javax.swing.JLabel();

        jLabel65 = new javax.swing.JLabel();

        jTextField13 = new javax.swing.JTextField();

        jLabel66 = new javax.swing.JLabel();

        jLabel67 = new javax.swing.JLabel();

        jLabel68 = new javax.swing.JLabel();

        jTextField16 = new javax.swing.JTextField();

        jTextField17 = new javax.swing.JTextField();

        jButton3 = new javax.swing.JButton();

        jTextField18 = new javax.swing.JTextField();

        jLabel69 = new javax.swing.JLabel();

        jPasswordField1 = new javax.swing.JPasswordField();

        jPanel7 = new javax.swing.JPanel();

        jLabel70 = new javax.swing.JLabel();


        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);


        jLabel1.setIcon(new      javax.swing.ImageIcon(getClass().getResource("/javaapplication1/Flight
Wallpaper (1) (2).jpg"))); // NOI18N


        jPanel6.setBackground(new java.awt.Color(255, 255, 255));


        jLabel6.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 36)); // NOI18N

        jLabel6.setText("AVAILABLE FLIGHTS");


        jLabel2.setText("FROM");


        jLabel3.setText("TO");


        jLabel4.setText("Date");


jScrollPane1.setViewportBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBor
der.RAISED));


        jPanel10.setBackground(new java.awt.Color(255, 255, 255));


        jPanel11.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));


        jLabel5.setText("SRC IMG");

        jLabel5.setBorder(javax.swing.BorderFactory.createCompoundBorder(null,
javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))));
```

```java
        jLabel7.setText("SRC 2 IMG");

        jLabel7.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        jLabel7.setPreferredSize(new java.awt.Dimension(40, 18));


        jLabel8.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel8.setText("<PATH>");


        jLabel9.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

        jLabel9.setText("Details");


        jButton4.setText("BOOK");

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

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

                jButton4ActionPerformed(evt);

            }

        });


        javax.swing.GroupLayout jPanel11Layout = new javax.swing.GroupLayout(jPanel11);

        jPanel11.setLayout(jPanel11Layout);

        jPanel11Layout.setHorizontalGroup(

            jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel11Layout.createSequentialGroup()

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                    .addGroup(jPanel11Layout.createSequentialGroup()

                        .addContainerGap()

                        .addComponent(jLabel8,      javax.swing.GroupLayout.PREFERRED_SIZE,      458,
javax.swing.GroupLayout.PREFERRED_SIZE))

                    .addGroup(jPanel11Layout.createSequentialGroup()

                        .addGap(20, 20, 20)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                            .addComponent(jLabel5,      javax.swing.GroupLayout.DEFAULT_SIZE,      57,
Short.MAX_VALUE)

                            .addComponent(jLabel7,                   javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                        .addComponent(jLabel9,      javax.swing.GroupLayout.PREFERRED_SIZE,      343,
javax.swing.GroupLayout.PREFERRED_SIZE)))

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                .addComponent(jButton4)
```

```
                .addGap(26, 26, 26))
        );
        jPanel11Layout.setVerticalGroup(
            jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel11Layout.createSequentialGroup()
                .addContainerGap()

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(jPanel11Layout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addComponent(jButton4))
                    .addGroup(jPanel11Layout.createSequentialGroup()
                        .addComponent(jLabel8,      javax.swing.GroupLayout.PREFERRED_SIZE,      30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel11Layout.createSequentialGroup()
                            .addComponent(jLabel5,   javax.swing.GroupLayout.PREFERRED_SIZE,   58,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                .addComponent(jLabel7,   javax.swing.GroupLayout.DEFAULT_SIZE,   58,
Short.MAX_VALUE))
                            .addComponent(jLabel9,              javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
                .addGap(18, 18, 18))
        );


        jPanel12.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));


        jLabel13.setText("SRC IMG");
        jLabel13.setBorder(javax.swing.BorderFactory.createCompoundBorder(null,
javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))));


        jLabel14.setText("SRC 2 IMG");
        jLabel14.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
        jLabel14.setPreferredSize(new java.awt.Dimension(40, 18));


        jLabel15.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel15.setText("<PATH>");


        jLabel16.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        jLabel16.setText("Details");
```

```
jButton5.setText("BOOK");


javax.swing.GroupLayout jPanel12Layout = new javax.swing.GroupLayout(jPanel12);

jPanel12.setLayout(jPanel12Layout);

jPanel12Layout.setHorizontalGroup(

    jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(jPanel12Layout.createSequentialGroup()

.addGroup(jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

            .addGroup(jPanel12Layout.createSequentialGroup()

                .addContainerGap()

                .addComponent(jLabel15,     javax.swing.GroupLayout.PREFERRED_SIZE,     458,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGroup(jPanel12Layout.createSequentialGroup()

                .addGap(20, 20, 20)


.addGroup(jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                    .addComponent(jLabel13,     javax.swing.GroupLayout.DEFAULT_SIZE,     58,
Short.MAX_VALUE)

                    .addComponent(jLabel14,             javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                .addComponent(jLabel16,     javax.swing.GroupLayout.PREFERRED_SIZE,     343,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,             95,
Short.MAX_VALUE)

        .addComponent(jButton5)

        .addGap(28, 28, 28))

);

jPanel12Layout.setVerticalGroup(

    jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel12Layout.createSequentialGroup()

        .addContainerGap()

.addGroup(jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

            .addGroup(jPanel12Layout.createSequentialGroup()

                .addGap(0, 0, Short.MAX_VALUE)

                .addComponent(jButton5))

            .addGroup(jPanel12Layout.createSequentialGroup()

                .addComponent(jLabel15,     javax.swing.GroupLayout.PREFERRED_SIZE,     30,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
                    .addGroup(jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel12Layout.createSequentialGroup()
                            .addComponent(jLabel13,    javax.swing.GroupLayout.PREFERRED_SIZE,    58,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                            .addComponent(jLabel14,    javax.swing.GroupLayout.DEFAULT_SIZE,    58,
Short.MAX_VALUE))
                        .addComponent(jLabel16,                javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
                .addGap(18, 18, 18))
        );


        jPanel13.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));


        jLabel17.setText("SRC IMG");
        jLabel17.setBorder(javax.swing.BorderFactory.createCompoundBorder(null,
javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))));


        jLabel18.setText("SRC 2 IMG");
        jLabel18.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
        jLabel18.setPreferredSize(new java.awt.Dimension(40, 18));


        jLabel19.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel19.setText("<PATH>");


        jLabel20.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        jLabel20.setText("Details");


        jButton7.setText("BOOK");


        javax.swing.GroupLayout jPanel13Layout = new javax.swing.GroupLayout(jPanel13);
        jPanel13.setLayout(jPanel13Layout);
        jPanel13Layout.setHorizontalGroup(
            jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel13Layout.createSequentialGroup()

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addGroup(jPanel13Layout.createSequentialGroup()
                        .addContainerGap()
                        .addComponent(jLabel19,    javax.swing.GroupLayout.PREFERRED_SIZE,    458,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel13Layout.createSequentialGroup()
```

```
                .addGap(20, 20, 20)

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addComponent(jLabel17,        javax.swing.GroupLayout.DEFAULT_SIZE,        58,
Short.MAX_VALUE)
                        .addComponent(jLabel18,              javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jLabel20,        javax.swing.GroupLayout.PREFERRED_SIZE,        343,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton7)
                .addGap(23, 23, 23))
        );
        jPanel13Layout.setVerticalGroup(
            jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel13Layout.createSequentialGroup()
                .addContainerGap()

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(jPanel13Layout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addComponent(jButton7))
                    .addGroup(jPanel13Layout.createSequentialGroup()
                        .addComponent(jLabel19,        javax.swing.GroupLayout.PREFERRED_SIZE,        30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel13Layout.createSequentialGroup()
                                .addComponent(jLabel17,    javax.swing.GroupLayout.PREFERRED_SIZE,    58,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                .addComponent(jLabel18,    javax.swing.GroupLayout.DEFAULT_SIZE,    58,
Short.MAX_VALUE))
                            .addComponent(jLabel20,              javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
                .addGap(18, 18, 18))
        );


        jPanel14.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));


        jLabel21.setText("SRC IMG");
```

```java
        jLabel21.setBorder(javax.swing.BorderFactory.createCompoundBorder(null,
javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))));

        jLabel22.setText("SRC 2 IMG");

        jLabel22.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        jLabel22.setPreferredSize(new java.awt.Dimension(40, 18));

        jLabel23.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel23.setText("<PATH>");

        jLabel24.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

        jLabel24.setText("Details");

        jButton8.setText("BOOK");

        jButton8.addActionListener(new java.awt.event.ActionListener() {

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

                jButton8ActionPerformed(evt);

            }

        });

        javax.swing.GroupLayout jPanel14Layout = new javax.swing.GroupLayout(jPanel14);

        jPanel14.setLayout(jPanel14Layout);

        jPanel14Layout.setHorizontalGroup(

            jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel14Layout.createSequentialGroup()

.addGroup(jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                .addGroup(jPanel14Layout.createSequentialGroup()

                    .addContainerGap()

                    .addComponent(jLabel23,     javax.swing.GroupLayout.PREFERRED_SIZE,     458,
javax.swing.GroupLayout.PREFERRED_SIZE))

                .addGroup(jPanel14Layout.createSequentialGroup()

                    .addGap(20, 20, 20)

.addGroup(jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                        .addComponent(jLabel21,     javax.swing.GroupLayout.DEFAULT_SIZE,     58,
Short.MAX_VALUE)

                        .addComponent(jLabel22,                 javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                    .addComponent(jLabel24,     javax.swing.GroupLayout.PREFERRED_SIZE,     343,
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```java
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                    .addComponent(jButton8)

                    .addGap(25, 25, 25))
        );
        jPanel14Layout.setVerticalGroup(

            jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel14Layout.createSequentialGroup()

                .addContainerGap()


.addGroup(jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

                    .addGroup(jPanel14Layout.createSequentialGroup()

                        .addGap(0, 0, Short.MAX_VALUE)

                        .addComponent(jButton8))

                    .addGroup(jPanel14Layout.createSequentialGroup()

                        .addComponent(jLabel23,      javax.swing.GroupLayout.PREFERRED_SIZE,       30,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)


.addGroup(jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                            .addGroup(jPanel14Layout.createSequentialGroup()

                                .addComponent(jLabel21,   javax.swing.GroupLayout.PREFERRED_SIZE,   58,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                                .addComponent(jLabel22,   javax.swing.GroupLayout.DEFAULT_SIZE,   58,
Short.MAX_VALUE))

                            .addComponent(jLabel24,                  javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))

                .addGap(18, 18, 18))
        );


        jPanel15.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));


        jLabel25.setText("SRC IMG");
        jLabel25.setBorder(javax.swing.BorderFactory.createCompoundBorder(null,
javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))));


        jLabel26.setText("SRC 2 IMG");
        jLabel26.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
        jLabel26.setPreferredSize(new java.awt.Dimension(40, 18));


        jLabel27.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel27.setText("<PATH>");
```

```java
        jLabel28.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

        jLabel28.setText("Details");


        jButton6.setText("BOOK");


        javax.swing.GroupLayout jPanel15Layout = new javax.swing.GroupLayout(jPanel15);
        jPanel15.setLayout(jPanel15Layout);
        jPanel15Layout.setHorizontalGroup(
            jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel15Layout.createSequentialGroup()

.addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addGroup(jPanel15Layout.createSequentialGroup()
                        .addContainerGap()
                        .addComponent(jLabel27,      javax.swing.GroupLayout.PREFERRED_SIZE,      458,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel15Layout.createSequentialGroup()
                        .addGap(20, 20, 20)

.addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                            .addComponent(jLabel25,      javax.swing.GroupLayout.DEFAULT_SIZE,      58,
Short.MAX_VALUE)
                            .addComponent(jLabel26,                  javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jLabel28,      javax.swing.GroupLayout.PREFERRED_SIZE,      343,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton6)
                .addGap(26, 26, 26))
        );
        jPanel15Layout.setVerticalGroup(
            jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel15Layout.createSequentialGroup()
                .addContainerGap()

.addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(jPanel15Layout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addComponent(jButton6))
                    .addGroup(jPanel15Layout.createSequentialGroup()
```

```java
                        .addComponent(jLabel27,        javax.swing.GroupLayout.PREFERRED_SIZE,        30,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                            .addGroup(jPanel15Layout.createSequentialGroup()

                                .addComponent(jLabel25,    javax.swing.GroupLayout.PREFERRED_SIZE,    58,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                                .addComponent(jLabel26,    javax.swing.GroupLayout.DEFAULT_SIZE,    58,
Short.MAX_VALUE))

                            .addComponent(jLabel28,              javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))

                .addGap(18, 18, 18))
        );


        jPanel16.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));


        jLabel29.setText("SRC IMG");
        jLabel29.setBorder(javax.swing.BorderFactory.createCompoundBorder(null,
javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))));


        jLabel30.setText("SRC 2 IMG");
        jLabel30.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
        jLabel30.setPreferredSize(new java.awt.Dimension(40, 18));


        jLabel31.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel31.setText("<PATH>");


        jLabel32.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        jLabel32.setText("Details");


        jButton9.setText("BOOK");
        jButton9.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton9ActionPerformed(evt);
            }
        });


        javax.swing.GroupLayout jPanel16Layout = new javax.swing.GroupLayout(jPanel16);
        jPanel16.setLayout(jPanel16Layout);
        jPanel16Layout.setHorizontalGroup(
            jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
                    .addGroup(jPanel16Layout.createSequentialGroup()

.addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addGroup(jPanel16Layout.createSequentialGroup()
                            .addContainerGap()
                            .addComponent(jLabel31,      javax.swing.GroupLayout.PREFERRED_SIZE,      458,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel16Layout.createSequentialGroup()
                            .addGap(20, 20, 20)

.addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                                .addComponent(jLabel29,      javax.swing.GroupLayout.DEFAULT_SIZE,      58,
Short.MAX_VALUE)
                                .addComponent(jLabel30,                javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addComponent(jLabel32,      javax.swing.GroupLayout.PREFERRED_SIZE,      343,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jButton9)
                        .addGap(25, 25, 25))
            );
        jPanel16Layout.setVerticalGroup(
            jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel16Layout.createSequentialGroup()
                .addContainerGap()

.addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(jPanel16Layout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addComponent(jButton9))
                    .addGroup(jPanel16Layout.createSequentialGroup()
                        .addComponent(jLabel31,      javax.swing.GroupLayout.PREFERRED_SIZE,      30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel16Layout.createSequentialGroup()
                                .addComponent(jLabel29, javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                .addComponent(jLabel30,   javax.swing.GroupLayout.DEFAULT_SIZE,   58,
Short.MAX_VALUE))
```

```java
                              .addComponent(jLabel32,                        javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
            .addGap(18, 18, 18))
    );


    jPanel17.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));


    jLabel33.setText("SRC IMG");
    jLabel33.setBorder(javax.swing.BorderFactory.createCompoundBorder(null,
javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))));


    jLabel34.setText("SRC 2 IMG");
    jLabel34.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
    jLabel34.setPreferredSize(new java.awt.Dimension(40, 18));


    jLabel35.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
    jLabel35.setText("<PATH>");


    jLabel36.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
    jLabel36.setText("Details");


    jButton10.setText("BOOK");
    jButton10.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton10ActionPerformed(evt);
        }
    });


    javax.swing.GroupLayout jPanel17Layout = new javax.swing.GroupLayout(jPanel17);
    jPanel17.setLayout(jPanel17Layout);
    jPanel17Layout.setHorizontalGroup(
        jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel17Layout.createSequentialGroup()

.addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addGroup(jPanel17Layout.createSequentialGroup()
                    .addContainerGap()
                    .addComponent(jLabel35,        javax.swing.GroupLayout.PREFERRED_SIZE,        458,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel17Layout.createSequentialGroup()
                    .addGap(20, 20, 20)
```

```java
                .addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addComponent(jLabel33,         javax.swing.GroupLayout.DEFAULT_SIZE,         58,
Short.MAX_VALUE)
                        .addComponent(jLabel34,                 javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jLabel36,         javax.swing.GroupLayout.PREFERRED_SIZE,         343,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton10)
            .addGap(25, 25, 25))
        );
        jPanel17Layout.setVerticalGroup(
            jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel17Layout.createSequentialGroup()
                .addContainerGap()

.addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(jPanel17Layout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addComponent(jButton10))
                    .addGroup(jPanel17Layout.createSequentialGroup()
                        .addComponent(jLabel35,         javax.swing.GroupLayout.PREFERRED_SIZE,         30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel17Layout.createSequentialGroup()
                                .addComponent(jLabel33,     javax.swing.GroupLayout.PREFERRED_SIZE,     58,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                .addComponent(jLabel34,     javax.swing.GroupLayout.DEFAULT_SIZE,     58,
Short.MAX_VALUE))
                            .addComponent(jLabel36,                 javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
                .addGap(18, 18, 18))
        );


        jPanel18.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));


        jLabel37.setText("SRC IMG");
        jLabel37.setBorder(javax.swing.BorderFactory.createCompoundBorder(null,
javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))));
```

```java
        jLabel38.setText("SRC 2 IMG");

        jLabel38.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

        jLabel38.setPreferredSize(new java.awt.Dimension(40, 18));


        jLabel39.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

        jLabel39.setText("<PATH>");


        jLabel40.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

        jLabel40.setText("Details");


        jButton11.setText("BOOK");

        jButton11.addActionListener(new java.awt.event.ActionListener() {

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

                jButton11ActionPerformed(evt);

            }

        });


        javax.swing.GroupLayout jPanel18Layout = new javax.swing.GroupLayout(jPanel18);

        jPanel18.setLayout(jPanel18Layout);

        jPanel18Layout.setHorizontalGroup(

            jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel18Layout.createSequentialGroup()

.addGroup(jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                .addGroup(jPanel18Layout.createSequentialGroup()

                    .addContainerGap()

                    .addComponent(jLabel39,        javax.swing.GroupLayout.PREFERRED_SIZE,        458,
javax.swing.GroupLayout.PREFERRED_SIZE))

                .addGroup(jPanel18Layout.createSequentialGroup()

                    .addGap(20, 20, 20)

.addGroup(jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                        .addComponent(jLabel37,        javax.swing.GroupLayout.DEFAULT_SIZE,        58,
Short.MAX_VALUE)

                        .addComponent(jLabel38,                   javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                    .addComponent(jLabel40,        javax.swing.GroupLayout.PREFERRED_SIZE,        343,
javax.swing.GroupLayout.PREFERRED_SIZE)))

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                .addComponent(jButton11)
```

```java
                    .addGap(25, 25, 25))
        );
        jPanel18Layout.setVerticalGroup(
            jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel18Layout.createSequentialGroup()
                .addContainerGap()

.addGroup(jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(jPanel18Layout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addComponent(jButton11))
                    .addGroup(jPanel18Layout.createSequentialGroup()
                        .addComponent(jLabel39,       javax.swing.GroupLayout.PREFERRED_SIZE,       30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel18Layout.createSequentialGroup()
                                .addComponent(jLabel37,  javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                .addComponent(jLabel38,  javax.swing.GroupLayout.DEFAULT_SIZE, 58,
Short.MAX_VALUE))
                            .addComponent(jLabel40,             javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
                .addGap(18, 18, 18))
        );


        jPanel19.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));


        jLabel41.setText("SRC IMG");
        jLabel41.setBorder(javax.swing.BorderFactory.createCompoundBorder(null,
javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))));


        jLabel42.setText("SRC 2 IMG");
        jLabel42.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
        jLabel42.setPreferredSize(new java.awt.Dimension(40, 18));


        jLabel43.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel43.setText("<PATH>");


        jLabel44.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        jLabel44.setText("Details");
```

```java
        jButton12.setText("BOOK");

        jButton12.addActionListener(new java.awt.event.ActionListener() {

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

                jButton12ActionPerformed(evt);

            }

        });


        javax.swing.GroupLayout jPanel19Layout = new javax.swing.GroupLayout(jPanel19);

        jPanel19.setLayout(jPanel19Layout);

        jPanel19Layout.setHorizontalGroup(

            jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel19Layout.createSequentialGroup()

                .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                    .addGroup(jPanel19Layout.createSequentialGroup()

                        .addContainerGap()

                        .addComponent(jLabel43,    javax.swing.GroupLayout.PREFERRED_SIZE,    458,
javax.swing.GroupLayout.PREFERRED_SIZE))

                    .addGroup(jPanel19Layout.createSequentialGroup()

                        .addGap(20, 20, 20)


.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                            .addComponent(jLabel41,    javax.swing.GroupLayout.DEFAULT_SIZE,    58,
Short.MAX_VALUE)

                            .addComponent(jLabel42,                javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                        .addComponent(jLabel44,    javax.swing.GroupLayout.PREFERRED_SIZE,    343,
javax.swing.GroupLayout.PREFERRED_SIZE)))

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                .addComponent(jButton12)

                .addGap(25, 25, 25))

        );

        jPanel19Layout.setVerticalGroup(

            jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel19Layout.createSequentialGroup()

                .addContainerGap()


.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

                    .addGroup(jPanel19Layout.createSequentialGroup()

                        .addGap(0, 0, Short.MAX_VALUE)
```

```java
                    .addComponent(jButton12))
                .addGroup(jPanel19Layout.createSequentialGroup()
                    .addComponent(jLabel43,     javax.swing.GroupLayout.PREFERRED_SIZE,     30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel19Layout.createSequentialGroup()
                            .addComponent(jLabel41,   javax.swing.GroupLayout.PREFERRED_SIZE,   58,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                            .addComponent(jLabel42,   javax.swing.GroupLayout.DEFAULT_SIZE,   58,
Short.MAX_VALUE))
                        .addComponent(jLabel44,             javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
                .addGap(18, 18, 18))
        );


        javax.swing.GroupLayout jPanel10Layout = new javax.swing.GroupLayout(jPanel10);
        jPanel10.setLayout(jPanel10Layout);
        jPanel10Layout.setHorizontalGroup(
            jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel10Layout.createSequentialGroup()
                .addContainerGap()

.addGroup(jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jPanel11,                    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel12,                    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel13,                    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel14,                    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel15,                    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel16,                    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel17,                    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel18,                    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel19,                    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addContainerGap())
        );
        jPanel10Layout.setVerticalGroup(
```

```java
        jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel10Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel11,                        javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel12,                        javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel15,                        javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel13,                        javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel14,                        javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel16,                        javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel17,                        javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel18,                        javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel19,                        javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );


        jScrollPane1.setViewportView(jPanel10);


        jLabel10.setText("SOURCE AIRPORT");


        jLabel11.setText("DESTINATION AIRPORT");


        jLabel12.setText("DD/MM/YY");


        javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
        jPanel6.setLayout(jPanel6Layout);
        jPanel6Layout.setHorizontalGroup(
            jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
            .addGroup(jPanel6Layout.createSequentialGroup()
                .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel6Layout.createSequentialGroup()
                        .addGap(24, 24, 24)
                        .addComponent(jLabel6,        javax.swing.GroupLayout.PREFERRED_SIZE,        338,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel6Layout.createSequentialGroup()
                        .addGap(109, 109, 109)
                        .addComponent(jLabel2,        javax.swing.GroupLayout.PREFERRED_SIZE,        37,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)
                        .addComponent(jLabel10,       javax.swing.GroupLayout.PREFERRED_SIZE,        178,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(jLabel3,        javax.swing.GroupLayout.PREFERRED_SIZE,        37,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(jLabel11,       javax.swing.GroupLayout.PREFERRED_SIZE,        143,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(32, 32, 32)
                        .addComponent(jLabel4,        javax.swing.GroupLayout.PREFERRED_SIZE,        37,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(jLabel12,       javax.swing.GroupLayout.PREFERRED_SIZE,        64,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel6Layout.createSequentialGroup()
                        .addGap(47, 47, 47)
                        .addComponent(jScrollPane1,    javax.swing.GroupLayout.PREFERRED_SIZE,        689,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(324, Short.MAX_VALUE))
        );
        jPanel6Layout.setVerticalGroup(
            jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel6Layout.createSequentialGroup()
                .addGap(58, 58, 58)
                .addComponent(jLabel6,             javax.swing.GroupLayout.PREFERRED_SIZE,        74,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel2)
                    .addComponent(jLabel3)
                    .addComponent(jLabel4)
                    .addComponent(jLabel10)
                    .addComponent(jLabel11)
```

```java
            .addComponent(jLabel12))
          .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
          .addComponent(jScrollPane1,          javax.swing.GroupLayout.PREFERRED_SIZE,          438,
javax.swing.GroupLayout.PREFERRED_SIZE)
          .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );


    javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(
      jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jLabel1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel6,                        javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addContainerGap())
    );
    jPanel2Layout.setVerticalGroup(
      jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addComponent(jPanel6,                        javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
      .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jLabel1)
        .addGap(0, 0, Short.MAX_VALUE))
    );


    jTabbedPane1.addTab("tab1", jPanel2);


    jLabel45.setIcon(new      javax.swing.ImageIcon(getClass().getResource("/javaapplication1/Flight
(1).png"))); // NOI18N


    jPanel4.setBackground(new java.awt.Color(255, 255, 255));


    jLabel46.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 36)); // NOI18N
    jLabel46.setText("RESERVATION DETAILS ");


    jLabel47.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
    jLabel47.setText("FIRST NAME");


    jLabel48.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
    jLabel48.setText("LAST NAME");
```

```
        jTextField1.setText("jTextField1");

        jTextField2.setText("jTextField2");

        jLabel49.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel49.setText("AGE");

        jLabel50.setFont(new java.awt.Font("Yu Gothic UI Semilight", 1, 14)); // NOI18N
        jLabel50.setText("ADDRESS");

        jTextArea1.setColumns(20);
        jTextArea1.setRows(5);
        jScrollPane2.setViewportView(jTextArea1);

        jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Item 1", "Item 2",
"Item 3", "Item 4" }));

        jLabel51.setFont(new java.awt.Font("Yu Gothic UI Semilight", 1, 14)); // NOI18N
        jLabel51.setText("GENDER");

        jLabel52.setFont(new java.awt.Font("Yu Gothic UI Semilight", 1, 24)); // NOI18N
        jLabel52.setText("TICKET DETAILS");

        jComboBox2.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Item 1", "Item 2",
"Item 3", "Item 4" }));

        jLabel53.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N
        jLabel53.setText("PREFERENCE");

        jLabel54.setText("DEPARTING FROM");

        jLabel55.setText("DESTINATION");

        jLabel56.setText("DEPARTING AIRPORT");

        jLabel57.setText("DESTINATION AIRPORT");

        jLabel58.setText("ROUTE");

        jLabel60.setText("DATE");
```

```java
jLabel61.setText("TIME");

jLabel62.setText("DATE");

jLabel63.setText("TIME");

jCheckBox1.setText("TWO - WAY");

jLabel59.setText("FARE");

jTextField3.setText("jTextField3");

jTextField4.setText("jTextField4");

jTextField5.setText("jTextField5");

jTextField6.setText("jTextField6");

jTextField7.setText("jTextField7");

jTextField8.setText("jTextField8");

jTextField9.setText("jTextField9");

jTextField10.setText("jTextField10");

jTextField11.setText("jTextField11");

jTextField12.setText("jTextField12");

jButton1.setText("Next");

jButton2.setText("Submit");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});
```

```java
        javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

        jPanel4.setLayout(jPanel4Layout);

        jPanel4Layout.setHorizontalGroup(

            jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel4Layout.createSequentialGroup()

                .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                    .addGroup(jPanel4Layout.createSequentialGroup()

                        .addGap(84, 84, 84)

                        .addComponent(jLabel46))

                    .addGroup(jPanel4Layout.createSequentialGroup()

                        .addGap(31, 31, 31)

                        .addComponent(jSeparator2,    javax.swing.GroupLayout.PREFERRED_SIZE,    548,
javax.swing.GroupLayout.PREFERRED_SIZE))

                    .addGroup(jPanel4Layout.createSequentialGroup()

                        .addGap(31, 31, 31)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                            .addComponent(jLabel52,    javax.swing.GroupLayout.PREFERRED_SIZE,    210,
javax.swing.GroupLayout.PREFERRED_SIZE)

                            .addComponent(jSeparator1,   javax.swing.GroupLayout.PREFERRED_SIZE,   548,
javax.swing.GroupLayout.PREFERRED_SIZE)

                            .addGroup(jPanel4Layout.createSequentialGroup()

                                .addComponent(jLabel53,    javax.swing.GroupLayout.PREFERRED_SIZE,    83,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addGap(18, 18, 18)

                                .addComponent(jComboBox2,     javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

                            .addComponent(jCheckBox1,    javax.swing.GroupLayout.PREFERRED_SIZE,    95,
javax.swing.GroupLayout.PREFERRED_SIZE)

                            .addGroup(jPanel4Layout.createSequentialGroup()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

                                    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel4Layout.createSequentialGroup()

                                        .addComponent(jLabel58,
javax.swing.GroupLayout.PREFERRED_SIZE, 43, javax.swing.GroupLayout.PREFERRED_SIZE)

                                        .addGap(59, 59, 59)

                                        .addComponent(jTextField7))

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                                    .addGroup(jPanel4Layout.createSequentialGroup()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

                                            .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel4Layout.createSequentialGroup()

                                                .addComponent(jLabel55,
javax.swing.GroupLayout.PREFERRED_SIZE, 80, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
                                                    .addGap(60, 60, 60)
                                                    .addComponent(jTextField4,
javax.swing.GroupLayout.PREFERRED_SIZE, 71, javax.swing.GroupLayout.PREFERRED_SIZE))
                                                .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel4Layout.createSequentialGroup()

                                                    .addComponent(jLabel54)

                                                    .addGap(18, 18, 18)

                                                    .addComponent(jTextField3,
javax.swing.GroupLayout.PREFERRED_SIZE, 71, javax.swing.GroupLayout.PREFERRED_SIZE)))
                                            .addGap(82, 82, 82)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                                                .addGroup(jPanel4Layout.createSequentialGroup()

                                                    .addComponent(jLabel60)

                                                    .addGap(18, 18, 18)

                                                    .addComponent(jTextField9,
javax.swing.GroupLayout.PREFERRED_SIZE, 71, javax.swing.GroupLayout.PREFERRED_SIZE))
                                                .addGroup(jPanel4Layout.createSequentialGroup()

                                                    .addComponent(jLabel62,
javax.swing.GroupLayout.PREFERRED_SIZE, 43, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                                                    .addComponent(jTextField11,
javax.swing.GroupLayout.PREFERRED_SIZE, 77, javax.swing.GroupLayout.PREFERRED_SIZE))))
                                        .addGroup(jPanel4Layout.createSequentialGroup()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                                                .addComponent(jLabel57,
javax.swing.GroupLayout.PREFERRED_SIZE, 134, javax.swing.GroupLayout.PREFERRED_SIZE)
                                                .addComponent(jLabel56,
javax.swing.GroupLayout.PREFERRED_SIZE, 125, javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                                                .addComponent(jTextField5,
javax.swing.GroupLayout.DEFAULT_SIZE, 367, Short.MAX_VALUE)

                                                .addComponent(jTextField6)))))
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addGroup(jPanel4Layout.createSequentialGroup()

                                        .addComponent(jLabel63,
javax.swing.GroupLayout.PREFERRED_SIZE, 43, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                        .addComponent(jTextField12,
javax.swing.GroupLayout.PREFERRED_SIZE, 77, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
                                    .addGroup(jPanel4Layout.createSequentialGroup()

                                        .addComponent(jLabel61,
javax.swing.GroupLayout.PREFERRED_SIZE, 43, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                                        .addComponent(jTextField10,
javax.swing.GroupLayout.PREFERRED_SIZE, 77, javax.swing.GroupLayout.PREFERRED_SIZE)))))))

                    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGroup(jPanel4Layout.createSequentialGroup()

                .addGap(20, 20, 20)

                .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                    .addGroup(jPanel4Layout.createSequentialGroup()

                        .addGap(25, 25, 25)

                        .addComponent(jLabel47,      javax.swing.GroupLayout.PREFERRED_SIZE,      87,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

                        .addComponent(jTextField1,     javax.swing.GroupLayout.PREFERRED_SIZE,     124,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addGap(53, 53, 53)

                        .addComponent(jLabel48,      javax.swing.GroupLayout.PREFERRED_SIZE,      83,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

                        .addComponent(jTextField2,     javax.swing.GroupLayout.PREFERRED_SIZE,     111,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

                    .addGroup(jPanel4Layout.createSequentialGroup()

                        .addComponent(jLabel49,      javax.swing.GroupLayout.PREFERRED_SIZE,      43,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                        .addComponent(jSpinner1,            javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                        .addComponent(jLabel51,      javax.swing.GroupLayout.PREFERRED_SIZE,      56,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                        .addComponent(jComboBox1,            javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                        .addComponent(jLabel50,      javax.swing.GroupLayout.PREFERRED_SIZE,      85,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                        .addComponent(jScrollPane2,            javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addGap(109, 109, 109))))

            .addGroup(jPanel4Layout.createSequentialGroup()

                .addGap(263, 263, 263)
```

```
                .addComponent(jLabel59,                 javax.swing.GroupLayout.PREFERRED_SIZE,               60,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addGap(26, 26, 26)

                .addComponent(jTextField8,              javax.swing.GroupLayout.PREFERRED_SIZE,               71,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addGap(0, 0, Short.MAX_VALUE))

            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel4Layout.createSequentialGroup()

                .addGap(0, 0, Short.MAX_VALUE)

                .addComponent(jButton1)

                .addGap(18, 18, 18)

                .addComponent(jButton2)

                .addGap(79, 79, 79))
        );

        jPanel4Layout.setVerticalGroup(

            jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel4Layout.createSequentialGroup()

                .addGap(42, 42, 42)

                .addComponent(jLabel46,                 javax.swing.GroupLayout.PREFERRED_SIZE,               38,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addComponent(jSeparator2,              javax.swing.GroupLayout.PREFERRED_SIZE,               10,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addGap(20, 20, 20)


.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                    .addComponent(jLabel47,             javax.swing.GroupLayout.PREFERRED_SIZE,               36,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(jTextField1,          javax.swing.GroupLayout.PREFERRED_SIZE,               36,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(jLabel48,             javax.swing.GroupLayout.PREFERRED_SIZE,               37,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(jTextField2,          javax.swing.GroupLayout.PREFERRED_SIZE,               37,
javax.swing.GroupLayout.PREFERRED_SIZE))

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

                .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                    .addGroup(jPanel4Layout.createSequentialGroup()


.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                        .addComponent(jSpinner1,            javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addComponent(jLabel49)

                        .addComponent(jLabel50)

                        .addComponent(jComboBox1,           javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addComponent(jLabel51))
```

```
                .addGap(22, 22, 22)


.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                        .addComponent(jLabel53)

                        .addComponent(jComboBox2,            javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))

                .addComponent(jScrollPane2,             javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(24, 24, 24)

                .addComponent(jSeparator1,         javax.swing.GroupLayout.PREFERRED_SIZE,        1,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(18, 18, 18)

                .addComponent(jLabel52,         javax.swing.GroupLayout.PREFERRED_SIZE,        28,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(18, 18, 18)


.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                .addComponent(jLabel54)

                .addComponent(jLabel60)

                .addComponent(jLabel61)

                .addComponent(jTextField3,             javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(jTextField9,             javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(jTextField10,             javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(18, 18, 18)

            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)


.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                .addComponent(jLabel55)

                .addComponent(jLabel62)

                .addComponent(jLabel63)

                .addComponent(jTextField11,         javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(jTextField12,         javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addComponent(jTextField4,             javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE,                 javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(18, 18, 18)


.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                .addComponent(jLabel56)

                .addComponent(jTextField5,             javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(18, 18, 18)
```

```
                .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel57)
                    .addComponent(jTextField6,                 javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)

                .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel58)
                    .addComponent(jTextField7,                 javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)

                .addComponent(jCheckBox1)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel59,          javax.swing.GroupLayout.PREFERRED_SIZE,          29,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jTextField8,                 javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,            44,
Short.MAX_VALUE)

                .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jButton1)
                    .addComponent(jButton2))
                .addGap(32, 32, 32))
        );


        javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
        jPanel3.setLayout(jPanel3Layout);
        jPanel3Layout.setHorizontalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel45)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel4,                          javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
        jPanel3Layout.setVerticalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```java
                        .addComponent(jLabel45,          javax.swing.GroupLayout.PREFERRED_SIZE,          671,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addComponent(jPanel4,                            javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

                    .addGap(0, 30, Short.MAX_VALUE))
            );


            jTabbedPane1.addTab("tab2", jPanel3);


            jPanel1.setBackground(new java.awt.Color(255, 255, 255));


            jLayeredPane1.setBackground(new java.awt.Color(204, 204, 255));


            jPanel5.setBackground(new java.awt.Color(255, 255, 255));

jPanel5.setBorder(javax.swing.BorderFactory.createCompoundBorder(javax.swing.BorderFactory.createLineB
order(new java.awt.Color(0, 0, 0)), javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0))));


            jLabel64.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 36)); // NOI18N

            jLabel64.setText("PAYMENT");


            jLabel65.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

            jLabel65.setText("CARD NUMBER");


            jTextField13.setBorder(javax.swing.BorderFactory.createLineBorder(new   java.awt.Color(0,   0,
0)));


            jLabel66.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

            jLabel66.setText("CVV");


            jLabel67.setFont(new java.awt.Font("Yu Gothic UI Semilight", 1, 14)); // NOI18N

            jLabel67.setText("EXPIRY DATE");


            jLabel68.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 14)); // NOI18N

            jLabel68.setText("NAME");


            jTextField16.setBorder(javax.swing.BorderFactory.createLineBorder(new   java.awt.Color(0,   0,
0)));


            jTextField17.setBorder(javax.swing.BorderFactory.createLineBorder(new   java.awt.Color(0,   0,
0)));


            jButton3.setBackground(new java.awt.Color(102, 255, 102));
```

72

```java
        jButton3.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 18)); // NOI18N

        jButton3.setText("PAY NOW");

        jButton3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

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

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

                jButton3ActionPerformed(evt);

            }

        });


        jTextField18.setBorder(javax.swing.BorderFactory.createLineBorder(new    java.awt.Color(0,    0,
0)));


        jLabel69.setText("/");


        jPasswordField1.setText("ld1");

        jPasswordField1.setBorder(javax.swing.BorderFactory.createLineBorder(new  java.awt.Color(0,  0,
0)));


        javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);

        jPanel5.setLayout(jPanel5Layout);

        jPanel5Layout.setHorizontalGroup(

            jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel5Layout.createSequentialGroup()

                .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                    .addGroup(jPanel5Layout.createSequentialGroup()

                        .addGap(39, 39, 39)

                        .addComponent(jLabel64,      javax.swing.GroupLayout.PREFERRED_SIZE,      168,
javax.swing.GroupLayout.PREFERRED_SIZE))

                    .addGroup(jPanel5Layout.createSequentialGroup()

                        .addGap(103, 103, 103)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                            .addComponent(jLabel65)

                            .addComponent(jLabel67,      javax.swing.GroupLayout.PREFERRED_SIZE,      96,
javax.swing.GroupLayout.PREFERRED_SIZE)

                            .addComponent(jLabel68,      javax.swing.GroupLayout.PREFERRED_SIZE,      55,
javax.swing.GroupLayout.PREFERRED_SIZE)

                            .addComponent(jLabel66,      javax.swing.GroupLayout.PREFERRED_SIZE,      43,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                            .addGroup(jPanel5Layout.createSequentialGroup()

                                .addGap(81, 81, 81)
```

```java
                        .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addGroup(jPanel5Layout.createSequentialGroup()
                                                .addComponent(jTextField16,
javax.swing.GroupLayout.PREFERRED_SIZE, 22, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                                .addComponent(jLabel69)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                                .addComponent(jTextField18,
javax.swing.GroupLayout.PREFERRED_SIZE, 22, javax.swing.GroupLayout.PREFERRED_SIZE))
                                                .addComponent(jPasswordField1,
javax.swing.GroupLayout.PREFERRED_SIZE,                    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                                .addComponent(jTextField17,
javax.swing.GroupLayout.PREFERRED_SIZE, 228, javax.swing.GroupLayout.PREFERRED_SIZE)))
                                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel5Layout.createSequentialGroup()
                                        .addGap(83, 83, 83)
                                        .addComponent(jTextField13,    javax.swing.GroupLayout.PREFERRED_SIZE,
226, javax.swing.GroupLayout.PREFERRED_SIZE))))
                        .addGroup(jPanel5Layout.createSequentialGroup()
                                .addGap(214, 214, 214)
                                .addComponent(jButton3,      javax.swing.GroupLayout.PREFERRED_SIZE,      139,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addGap(62, 62, 62))
        );
        jPanel5Layout.setVerticalGroup(
            jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel5Layout.createSequentialGroup()
                .addGap(31, 31, 31)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jTextField18,              javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jTextField16,    javax.swing.GroupLayout.PREFERRED_SIZE,    20,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel69)
                        .addComponent(jLabel67))
                    .addGroup(jPanel5Layout.createSequentialGroup()
                        .addComponent(jLabel64,       javax.swing.GroupLayout.PREFERRED_SIZE,      63,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(23, 23, 23)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
                    .addComponent(jLabel65)

                        .addComponent(jTextField13,   javax.swing.GroupLayout.PREFERRED_SIZE,   31,
javax.swing.GroupLayout.PREFERRED_SIZE))

                    .addGap(18, 18, 18)


.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

                        .addComponent(jLabel66)

                        .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE, 26,
javax.swing.GroupLayout.PREFERRED_SIZE))

                    .addGap(56, 56, 56)))

                .addGap(18, 18, 18)


.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

                    .addComponent(jLabel68)

                    .addComponent(jTextField17,     javax.swing.GroupLayout.PREFERRED_SIZE,     27,
javax.swing.GroupLayout.PREFERRED_SIZE))

                .addGap(18, 18, 18)

                .addComponent(jButton3,          javax.swing.GroupLayout.PREFERRED_SIZE,          39,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addContainerGap(48, Short.MAX_VALUE))
        );


        jLayeredPane1.setLayer(jPanel5, javax.swing.JLayeredPane.DEFAULT_LAYER);


        javax.swing.GroupLayout jLayeredPane1Layout = new javax.swing.GroupLayout(jLayeredPane1);

        jLayeredPane1.setLayout(jLayeredPane1Layout);

        jLayeredPane1Layout.setHorizontalGroup(

            jLayeredPane1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jLayeredPane1Layout.createSequentialGroup()

                .addGap(231, 231, 231)

                .addComponent(jPanel5,                        javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addContainerGap(579, Short.MAX_VALUE))
        );

        jLayeredPane1Layout.setVerticalGroup(

            jLayeredPane1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jLayeredPane1Layout.createSequentialGroup()

                .addGap(73, 73, 73)

                .addComponent(jPanel5,                        javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addContainerGap(448, Short.MAX_VALUE))
        );


        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()

                .addComponent(jLayeredPane1,                    javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

        );

        jPanel1Layout.setVerticalGroup(

            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel1Layout.createSequentialGroup()

                .addComponent(jLayeredPane1,                    javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addGap(0, 0, Short.MAX_VALUE))

        );


        jTabbedPane1.addTab("tab3", jPanel1);


        jPanel7.setBackground(new java.awt.Color(255, 255, 255));


        jLabel70.setFont(new java.awt.Font("Yu Gothic UI Semibold", 1, 48)); // NOI18N

        jLabel70.setText("THANK YOU USING OUR SERVICES");


        javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);

        jPanel7.setLayout(jPanel7Layout);

        jPanel7Layout.setHorizontalGroup(

            jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGap(0, 1396, Short.MAX_VALUE)

            .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                .addGroup(jPanel7Layout.createSequentialGroup()

                    .addGap(0, 0, Short.MAX_VALUE)

                    .addComponent(jLabel70)

                    .addGap(0, 0, Short.MAX_VALUE)))

        );

        jPanel7Layout.setVerticalGroup(

            jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGap(0, 731, Short.MAX_VALUE)

            .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                .addGroup(jPanel7Layout.createSequentialGroup()

                    .addGap(0, 0, Short.MAX_VALUE)

                    .addComponent(jLabel70)
```

```java
                    .addGap(0, 0, Short.MAX_VALUE)))
        );


        jTabbedPane1.addTab("tab4", jPanel7);


        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jTabbedPane1)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jTabbedPane1,        javax.swing.GroupLayout.PREFERRED_SIZE,        762,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );


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


    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        jTabbedPane1.setSelectedIndex(1);
    }




    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        jTabbedPane1.setSelectedIndex(2);
    }


    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        jTabbedPane1.setSelectedIndex(3);
    }


    /**
     * @param args the command line arguments
     */
```

```java
// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton10;
private javax.swing.JButton jButton11;
private javax.swing.JButton jButton12;
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.JCheckBox jCheckBox1;
private javax.swing.JComboBox<String> jComboBox1;
private javax.swing.JComboBox<String> jComboBox2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel21;
private javax.swing.JLabel jLabel22;
private javax.swing.JLabel jLabel23;
private javax.swing.JLabel jLabel24;
private javax.swing.JLabel jLabel25;
private javax.swing.JLabel jLabel26;
private javax.swing.JLabel jLabel27;
private javax.swing.JLabel jLabel28;
private javax.swing.JLabel jLabel29;
```

```java
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel30;
private javax.swing.JLabel jLabel31;
private javax.swing.JLabel jLabel32;
private javax.swing.JLabel jLabel33;
private javax.swing.JLabel jLabel34;
private javax.swing.JLabel jLabel35;
private javax.swing.JLabel jLabel36;
private javax.swing.JLabel jLabel37;
private javax.swing.JLabel jLabel38;
private javax.swing.JLabel jLabel39;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel40;
private javax.swing.JLabel jLabel41;
private javax.swing.JLabel jLabel42;
private javax.swing.JLabel jLabel43;
private javax.swing.JLabel jLabel44;
private javax.swing.JLabel jLabel45;
private javax.swing.JLabel jLabel46;
private javax.swing.JLabel jLabel47;
private javax.swing.JLabel jLabel48;
private javax.swing.JLabel jLabel49;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel50;
private javax.swing.JLabel jLabel51;
private javax.swing.JLabel jLabel52;
private javax.swing.JLabel jLabel53;
private javax.swing.JLabel jLabel54;
private javax.swing.JLabel jLabel55;
private javax.swing.JLabel jLabel56;
private javax.swing.JLabel jLabel57;
private javax.swing.JLabel jLabel58;
private javax.swing.JLabel jLabel59;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel60;
private javax.swing.JLabel jLabel61;
private javax.swing.JLabel jLabel62;
private javax.swing.JLabel jLabel63;
private javax.swing.JLabel jLabel64;
private javax.swing.JLabel jLabel65;
```

```java
private javax.swing.JLabel jLabel66;
private javax.swing.JLabel jLabel67;
private javax.swing.JLabel jLabel68;
private javax.swing.JLabel jLabel69;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel70;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JLayeredPane jLayeredPane1;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel10;
private javax.swing.JPanel jPanel11;
private javax.swing.JPanel jPanel12;
private javax.swing.JPanel jPanel13;
private javax.swing.JPanel jPanel14;
private javax.swing.JPanel jPanel15;
private javax.swing.JPanel jPanel16;
private javax.swing.JPanel jPanel17;
private javax.swing.JPanel jPanel18;
private javax.swing.JPanel jPanel19;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JPanel jPanel6;
private javax.swing.JPanel jPanel7;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JSeparator jSeparator2;
private javax.swing.JSpinner jSpinner1;
private javax.swing.JTabbedPane jTabbedPane1;
private javax.swing.JTextArea jTextArea1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField10;
private javax.swing.JTextField jTextField11;
private javax.swing.JTextField jTextField12;
private javax.swing.JTextField jTextField13;
private javax.swing.JTextField jTextField16;
```

```
        private javax.swing.JTextField jTextField17;

        private javax.swing.JTextField jTextField18;

        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;

        private javax.swing.JTextField jTextField7;

        private javax.swing.JTextField jTextField8;

        private javax.swing.JTextField jTextField9;

        // End of variables declaration

}
```

//CODE FOR ALL POSSIBLE PATHS USING DFS ALGORITHM AND JDBC

```
/*
 * 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 javaapplication1;

/**
 *
 * @author dilip
 */
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.util.*;
```

```java
public class PrintAllPaths{

    private final int vertex;
    private ArrayList<Integer>[] adjList;

    public PrintAllPaths(int vertices) {
        vertex = vertices;
        initAdjList();
    }

    @SuppressWarnings(value = "unchecked")
    private void initAdjList()
    {
        adjList = new ArrayList[vertex];
        for (int i = 0; i < vertex; i++) {
            adjList[i] = new ArrayList<>();
        }
    }
    public void addEdge(int verA, int verB)
    {
        adjList[verA].add(verB);
    }

    public void printAllPathsHelper(int start, int end, boolean[] isVisited, List<Integer> tempPathList)
    {
        if ((start == end) && (tempPathList.size()<10)) {
            System.out.println(tempPathList);
            return;
        }

        isVisited[start] = true;

        for (Integer i : adjList[start]) {
            if (!isVisited[i]) {
                tempPathList.add(i);
                printAllPathsHelper(i, end, isVisited, tempPathList);
                tempPathList.remove(i);//backtracking
            }
        }
        isVisited[start] = false;
```

```java
    }


    public void printAllPaths(int source, int dest)
    {
        boolean[] isVisited = new boolean[vertex];

        ArrayList<Integer> pathList = new ArrayList<>();

        pathList.add(source);

        printAllPathsHelper(source, dest, isVisited, pathList);
    }


    public static void main(String[] args)
    {
        PrintAllPaths graph = new PrintAllPaths(13);

        int src, des, dist;
                try{
                        Class.forName("oracle.jdbc.OracleDriver");

                        Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","manoj","manoj");

                        Statement stmt=con.createStatement();

                        ResultSet rs=stmt.executeQuery("select * from demo");

                        while(rs.next())  {

                             src = rs.getInt(1);

                             des = rs.getInt(2);

                             graph.addEdge(src, des);


                        }


                        con.close();

                }
                catch(Exception e){

                        System.out.println(e);

                }
                int s = 1;

                int d = 10;
        System.out.println("All possible paths from " + s + " to " + d + " are:");

        graph.printAllPaths(s, d);
    }
}
```

```
//CODE FOR DISPLAYING THE ROUTE ON MAP

import sys

import geopandas as gpd

import matplotlib.pyplot as plt

from shapely.geometry import LineString

workingdirectory = os.getcwd()

print('Number of Arguments:', len(sys.argv),'arguments');

print('Argumwnt list:', str(sys.argv));

lati = sys.argv[2]

longi = sys.argv[1]

lat = []

lat = list(map(float, lati.split(',')))

lon = []

lon = list(map(float, longi.split(',')))

# Create a GeoDataFrame for points

points = gpd.GeoDataFrame(geometry=gpd.points_from_xy(lon, lat))

# Create a LineString geometry from the coordinates

line = LineString(zip(lon, lat))

lines = gpd.GeoDataFrame(geometry=[line])

world = gpd.read_file(gpd.datasets.get_path('naturalearth_lowres'))

ax = world.plot(figsize=(10, 6))

points.plot(ax=ax, color='red', markersize=5)

lines.plot(ax=ax, color='blue')

plt.title('Latitude and Longitude Points with Line on World Map')

plt.xlabel('Longitude')

plt.ylabel('Latitude')

plt.grid(True)

plt.show()
```

Network of Points on World Map
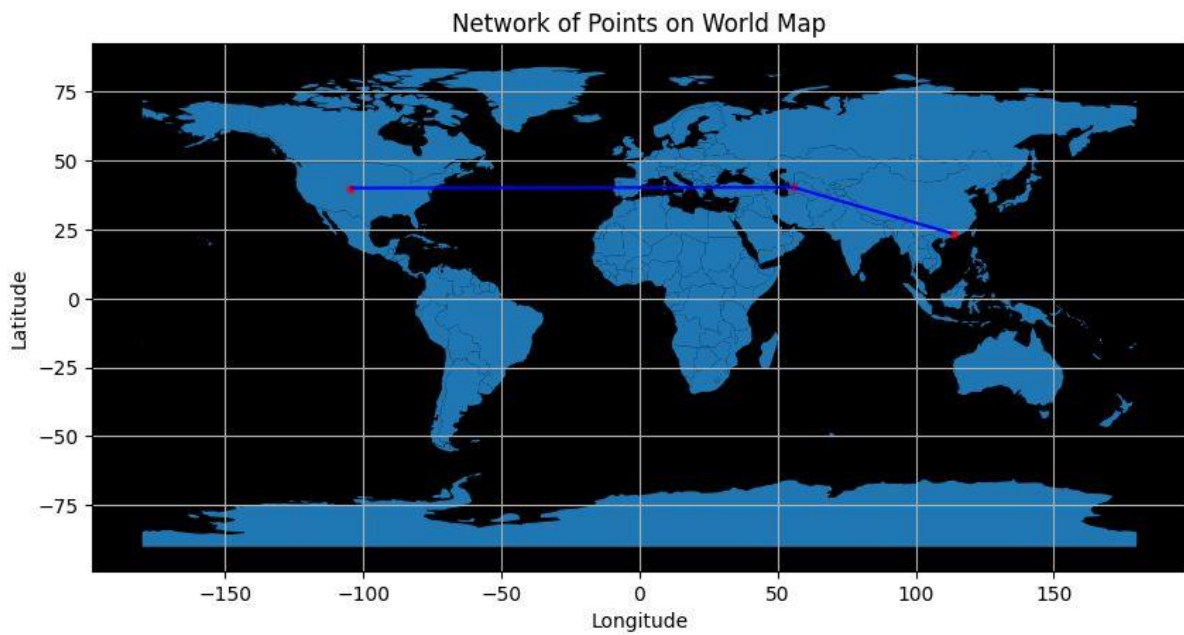

```
//CODE TO CALL PYTHON FROM JAVA

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

public class javarun {

    public static void main(String [] args) throws IOException {

        String lat = "23.3924, 40.0768, 39.8561";

        String lon = "113.2988, 55.871, -104.6737";

        ProcessBuilder builder = new ProcessBuilder("python", "map.py", lon, lat);

        Process process = builder.start();

    }

}
```

FUTURE SCOPE

In the future, the OASIS application can expand its capabilities by integrating real-time flight tracking and notifications. By leveraging APIs from airlines or flight tracking services, the application can provide users with up-to-date information about flight delays, cancellations, or gate changes for their booked flights. This feature will enhance the user experience and help travelers stay informed and adjust their plans accordingly.

To provide a comprehensive travel planning experience, the application can also integrate with accommodation and transportation services. By incorporating hotel booking and transportation options such as car rentals or taxi bookings, users can conveniently plan their entire trip from a single platform. This integration will streamline the travel planning process and offer users a seamless experience.

Additionally, incorporating social features such as user reviews, ratings, and recommendations for airports, airlines, and specific flights will allow users to share their travel experiences and interact with other travelers. This social aspect will provide valuable insights and recommendations to users, helping them make informed decisions and discover new travel opportunities. To cater to a wider audience and provide on-the-go access to flight information and bookings, developing a mobile version of the application for both iOS and Android platforms is essential. This mobile application will enable users to access their travel details, receive notifications, and make bookings conveniently from their smartphones or tablets.

By collecting and analyzing data on user preferences, popular routes, and flight booking trends, the application can generate valuable analytics and insights. These insights can be utilized to improve the application's features, personalize recommendations for users, and enhance the overall user experience. Additionally, implementing features such as accounting for flight delays and cancellations, as well as calculating carbon emissions for flights, will further enhance the application's functionality and provide users with valuable information for making informed travel choices.

CONCLUSION

In conclusion, the Airways application project aims to provide users with a powerful tool for planning and organizing their air travel. By modeling routes between airports as a graph and utilizing graph algorithms, the application can efficiently find the shortest path between airports, providing users with optimal flight options. The project also includes features like filtering flights, comparing prices, and enabling direct flight bookings, enhancing the user experience and convenience.

REFERENCES

• Abraham Silberschatz, Henry F Korth, S. Sudarshan, Database System Concepts, 6th Edition, McGraw-Hill International Edition, 2010.

• Database Management Systems, Raghu Ramakrishnan, Johannes Gehrke, 3rd Edition, McGraw-Hill International Edition, 2003.

• https://docs.oracle.com/cd/E11882_01/server.112/e40540/toc.htm