5 PM IST 31st July, 2022 – Appendix 1 (Offline Interview)

Student: Hi, I'd like to have a brief discussion with you regarding a problem you are facing at the moment.

Mr. X: Sure, you can ask me any questions.

Student: Can you talk about something in your daily life that bothers you or that you would like to have improved?

Mr. X: Well, travelling is a lot of fun, but it's generally really frustrating to go through the technicalities of each trip. It's truly quite a mess sorting every document, ensuring visa requirements and other information that I need to collect. I am especially annoyed having to repeat the same process for every trip and then tally my information with the specific country's guidelines.

Student: Okay. What about the travel itself? Do you face any problems during the trip that you would like to see fixed?

Mr. X: Oh yes, definitely! Well, first off, I really enjoy shopping. But it's hard to manage expenses and keep track of my spendings. Sometimes, it's very easy to forget about my budget and just go on a shopping spree. Secondly, I find myself have to search Google maps again and again to look for nearby restaurants and hotspots. That's not fun. I am also in great need of daily reminders for stuff– I almost missed visiting one of the best places in Jordan because of my forgetfulness.

Student: Okay, do you have any more travel issues that you would like to see fixed?

Mr. X: Currently, I write most of my thoughts in my notebook, and who knows when that will wear out. I hope to have a personal digital journal, where I can add daily thoughts and reflections. Other than that, I also need an organized image storage space for my travel memories. At the moment, all my images are very randomly dumped in a file. Oh, and one more thing, I have a hard time storing important contact details. Each country has a different police landline, emergency contacts, etc. so I need some place to quickly refer to all this information.

Student: Okay, thank you for sharing. I believe that the problems you have outlined can be resolved through software. I'm thinking, perhaps a travel management system would be valuable. What do you think?

Mr. X: I like it; it's a great idea! If you can somehow incorporate the features I have suggested, that would definitely be very helpful.

Student: Certainly, I should be able to develop these feature requests. Now that we are going forward with this idea, do you have any set expectations for the product?

Mr. X: My suggestion is try to keep it simple. No need to have a fabulous interface or some fancy user experience. I just want a workable system that is very easy to navigate and free

of bugs. Also, please make it straightforward to use – so many other systems have lengthy tutorials that are hard to follow. Ideally, I should be able to use the software comfortably without any additional instructions.

Student: That's reasonable. Is there any other requirement you would like to see?

Mr. X: Most of the times I'm working on my Mac so any system or application that works on that makes sense. If you want, you can make it public or private; it doesn't really matter. Importantly, though, enable high security. With software nowadays, one really questions whether one should share personal information. At the end of the day, there is no guarantee that someone is illegally accessing my information.

Student: That's true. Since you said you are generally on your laptop, I think a web-based system would be a good option. Is that fine?

Mr. X: Yup, sounds good!

Student: Perfect. I've made some notes and will get back with an in-depth plan, and can subsequently begin working on the project as soon as possible.

Mr. X: Sure, best of luck! I'm really looking forward to it.

Student: Hi, I have had some time to create prototypes for the design of the system based on your suggestions in our last meeting. Could you review them and let me know what you think?

Mr. X: First off, I like the blue color. It's very pleasant to the eye and I hope you keep it. I also like the square-shaped windows; I suspect it would allow me to browse other windows while still on the system.

Student: Yes, that is the intention – to help you have screen space for running other applications. Do you have any other feedback on the GUI?

Mr. X: Nothing more in particular. I really like how you have made everything simple and neat, just as I expected.

Student: That's great to hear! Would you like to change any of the functionality of the system?

Mr. X: I think the location recommendation module can perhaps be better if it opened a map instead. That way, I would be able to navigate to nearby restaurants and hotels more easily.

Student: I agree. I will try to embed a map into the system to ease interactivity. I think that is a very valuable piece of advice. What about image and document storage. Would you like to keep those features?

Mr. X: Well, maybe it is better to replace them with something else. After all, my laptop has a decent file management system so I don't think I need an external application for that. I can create a travel-specific folder.

Student: Okay. Is there anything in particular you would like it to be replaced by?

Mr. X: Perhaps you can implement an image clicking feature instead. I think it would be much easier if I could simply click an image from the system rather than having to manually open my camera again and again. Try to make that feature focused on efficiency. If the camera can be opened fast, that will be of a huge help.

Student: I will definitely keep that in mind. I have another question – would you prefer that the system remains logged out after you close it or logged in until you log out?

Mr. X: I think it should log out immediately once the application is stored. That way, there will maximum privacy. Although it may be a slight hassle to log in again every time, I think it is a good security measure as I have will sensitive information such as my contacts on there.

Student: Okay, great! Anything else you would like to share about the system and prototypes?

Mr. X: Nothing more, best of luck!;   **Student:** Thank you.

5:30 PM IST 11th February, 2023 – Appendix 3 (Offline Interview)

Student: Hello, I hope you have had time to use and test the system. I would like to gain your feedback on each of the system's features.

Mr. X: Yes, I have tested the system without any issues. It is quite intuitive to use so I must commend you on that, and I am happy to provide any feedback.

Student: Great! I can go through each of the system's features and you can comment on the usability of each of them. Let me know if that works of you.

Mr. X: Sounds great!

Student: The first feature is "account creation and updation". How smoothly were you able to create your account and alter necessary credentials?

Mr. X: This was very easy to do. I received an email immediately after I created my account and was able to easily sign up. Frankly, I haven't had any issues with this part.

Student: That's great to hear! What about "user authentication"? Did you face any issues with managing passwords or logging in after you had created your account?

Mr. X: Once again, no issues. This worked very well. Maybe it would have been even better if there was an option to login with a fingerprint instead of textual password, but it's still very convenient.

Student: Hmm, that's a great suggestion! I'll see if I can integrate it into the system in the future. How did you find the "travel expenses" feature? Did it meet your expectations?

Mr. X: It definitely met my expectations. Only thing I would say is that sometimes I pressed the "reset to 0 expenses" button by mistake which lost all my previous progress. Maybe there could have been a way to restore lost progress, or save a backup.

Student: I definitely agree with that, and will mark it as a potential improvement in the system. What about the "open maps" feature?

Mr. X: To be honest, I wish the maps would automatically navigate to my current position instead of having to search it up. But otherwise, it works perfectly.

Student: Okay, I'll look into that. Was the "travel itinerary" working well for you?

Mr. X: Yes, this is one of my favorite features, as it allows me to store my progress so efficiently and easily replaces my use of large documents earlier on. Even though it's slightly complex, it works very effectively.

Student: That's nice to hear! What about the digital journal? Did you like it?

Mr. X: The journal is another of my favorites. The only criticism I would provide is to start the journal text at the top instead of the middle. But maybe that's a bit picky.

Student: Sure, I'll try to change that. What about the "click image" feature? Does it work well for you.

Mr. X: Yes, very easy to use. I really loved it.

Student: Awesome! Finally, how easily were you able to store and manage contacts in the system.

Mr. X: It's really nice. I love the way it sorts the contacts and especially the use of the importance feature is really valuable. My only suggestion would be to maybe try to protect the high importance contacts or blur it in some way for greater privacy.

Student: I'll note that down. Thank you for your time. Do you have anything else you would like to share?

Mr. X: Potentially, you could also consider adding a document management system, which stores documents like visas and passports. A specifically designed travel document management feature would be more effective than the standard file management system on my computer. But it's a really good system and you should be very proud of yourself. I enjoyed it a lot.

Student: Thank you for your valuable feedback. It will allow me to improve as a developer. See you!

Mr. X: Bye!

Feedback Form – Appendix 4

As filled by Mr. X

Success Criteria Fulfilled	Score on 10
Account Creation and Updation a. Allow the user to create an account with their email and a secure password b. Send the user a verification email upon account creation c. Allow the user to change their password	10/10
User Authentication a. Allow the user to login to their account if the username and password entered is correct	10/10
Travel Expenses a. Allow the user to input their total travel budget and daily expenses b. Calculate their total travel expenses c. Show the user the percentage of their budget they have exhausted	8/10
Open Maps a. Allow the user to open and access Maps through the system	9/10
Travel Itinerary a. Allow the user to input their daily itinerary b. Allow the user to save and update their itinerary	9/10
Digital Journal a. Allow the user to add, delete and edit the journal daily b. Allow the user to mark each write-up with a specific date c. Allow the user to view the journal	8/10
Click an Image a. Allow the user to click an image using the system	10/10
Important Contact Information a. Allow the user to add important contact details b. Allow the user to mark certain contacts with high importance, some with moderate importance and others with low importance	8/10

Features	Score on 10
Visually Appealing	10/10
Ease of Use	10/10
Compatibility of the application with your system	8/10

Comments: Great application, very easy to use and fulfills all my requirements. Well done!

Code

AccounCreationPage.java

```java
package travel_management_system;
import javax.swing.*;
import java.util.concurrent.ThreadLocalRandom;
import javax.mail.*;
import javax.mail.internet.*;
import java.util.*;
import java.sql.*;
import java.util.logging.Level;
import java.util.logging.Logger;

public class AccountCreationPage extends javax.swing.JFrame {

    public AccountCreationPage() {
        initComponents();
    }

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

        jPasswordField1 = new javax.swing.JPasswordField();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jTextField2 = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jPasswordField2 = new javax.swing.JPasswordField();
        jPasswordField3 = new javax.swing.JPasswordField();

        jPasswordField1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
        jPasswordField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jPasswordField1ActionPerformed(evt);
            }
        });

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(153, 204, 255));
```

```java
jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));

jLabel1.setFont(new java.awt.Font("Gill Sans", 1, 48)); // NOI18N
jLabel1.setText("CREATE AN ACCOUNT");

jLabel2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jLabel2.setText("RE-ENTER PASSWORD");

jLabel3.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jLabel3.setText("EMAIL ID");

jTextField2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jTextField2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
jTextField2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField2ActionPerformed(evt);
    }
});

jLabel4.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jLabel4.setText("PASSWORD");

jButton1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jButton1.setText("SUBMIT");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jButton2.setText("BACK");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jPasswordField2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jPasswordField2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
jPasswordField2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jPasswordField2ActionPerformed(evt);
    }
```

```java
        });

        jPasswordField3.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jPasswordField3.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
        jPasswordField3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jPasswordField3ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                .addGroup(jPanel1Layout.createSequentialGroup()
                  .addGap(44, 44, 44)
                  .addComponent(jLabel1))
                .addGroup(jPanel1Layout.createSequentialGroup()
                  .addGap(180, 180, 180)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                    .addComponent(jLabel2)
                    .addComponent(jLabel3)
                    .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
332, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel4)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                      .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE,
150, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addGap(18, 18, 18)
                      .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE,
146, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addGap(9, 9, 9))
                    .addComponent(jPasswordField2,
javax.swing.GroupLayout.PREFERRED_SIZE, 332, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jPasswordField3,
javax.swing.GroupLayout.PREFERRED_SIZE, 332,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                .addContainerGap(56, Short.MAX_VALUE))
        );
```

```java
        jPanel1Layout.setVerticalGroup(
          jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(41, 41, 41)
            .addComponent(jLabel1)
            .addGap(24, 24, 24)
            .addComponent(jLabel3)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(20, 20, 20)
            .addComponent(jLabel4)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jPasswordField3, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jLabel2)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jPasswordField2, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(34, 34, 34)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
              .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 57,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 57,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap(52, Short.MAX_VALUE))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
          layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(
          layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

```java
private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jPasswordField1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jPasswordField2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jPasswordField3ActionPerformed(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();
    WelcomePage welcomepage = new WelcomePage();
    welcomepage.setTitle("Travel Management System");
    welcomepage.setVisible(true);
}

public class SendEmail {
        final String senderEmail = "randomservices704@gmail.com";
        final String senderPassword = "dwfvetwdzojzmqdm"; //email password
        final String emailSMTPserver = "smtp.gmail.com";
        final String emailServerPort = "465";
        String receiverEmail = null;
        static String emailSubject;
        static String emailBody;
        public SendEmail(String receiverEmail, String subject, String body) {
                //receiver email
                this.receiverEmail = receiverEmail;
                //subject
                this.emailSubject = subject;
                //body
                this.emailBody = body;

                Properties props = new Properties();
                props.put("mail.smtp.user",senderEmail);
                props.put("mail.smtp.host", emailSMTPserver);
                props.put("mail.smtp.port", emailServerPort);
                props.put("mail.smtp.starttls.enable", "true");
                props.put("mail.smtp.auth", "true");
                props.put("mail.smtp.socketFactory.port", emailServerPort);
```

```java
                    props.put("mail.smtp.socketFactory.class", "javax.net.ssl.SSLSocketFactory");
                    props.put("mail.smtp.socketFactory.fallback", "false");
                    SecurityManager security = System.getSecurityManager();

                    try {
                            Authenticator auth = new SMTPAuthenticator();
                            Session session = Session.getInstance(props, auth);
                            MimeMessage msg = new MimeMessage(session);
                            msg.setText(emailBody);
                            //System.out.println(emailBody);
                            msg.setSubject(emailSubject);
                            msg.setFrom(new InternetAddress(senderEmail));
                            msg.addRecipient(Message.RecipientType.TO, new
InternetAddress(receiverEmail));
                            Transport.send(msg);
                            System.out.println("Message sent successfully");
                    }

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

        public class SMTPAuthenticator extends javax.mail.Authenticator {
                public PasswordAuthentication getPasswordAuthentication() {
                        return new PasswordAuthentication(senderEmail, senderPassword);
                }
        }
}


    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Connection dbconn =  DBConnection.connectDB();
        String email = jTextField2.getText();
        String password1 = String.valueOf(jPasswordField3.getPassword());
        String password2 = String.valueOf(jPasswordField2.getPassword());
        if (dbconn != null){
           try {
               PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("Select *
from accounts");
               ResultSet res = st.executeQuery();
               while(res.next())
               {
                   String mail = res.getString("username");
               if(email.equals(mail))
               {
```

```java
            JOptionPane.showMessageDialog(this, "The account with the entered email
already exists. Please log in instead.", "Error", JOptionPane.ERROR_MESSAGE);
        }}
    }
    catch (SQLException ex) {
        Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
    }}
    else{
        System.out.println("Database connection not available.");
    }
    if (email.isEmpty() || password1.isEmpty() || password2.isEmpty())
    {
        JOptionPane.showMessageDialog(this, "Please enter all required fields.", "Error",
JOptionPane.ERROR_MESSAGE);
    }
    else{
    if (!password1.equals(password2))
    {
        JOptionPane.showMessageDialog(this, "Passwords do not match.", "Error",
JOptionPane.ERROR_MESSAGE);
    }
    else
    {
        dispose();
        VerificationCodePage verificationcodepage = new VerificationCodePage();
        verificationcodepage.setTitle("Verify your email");
        verificationcodepage.setVisible(true);
        int randomNum = ThreadLocalRandom.current().nextInt(10000, 100001);
        SendEmail send = new SendEmail(email, "Verify Your Email - Travel Management
System", "Your verification code is " + randomNum + ".");
        if (dbconn != null){
        try {
            PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("INSERT
INTO accounts (id, username, password) VALUES (" + randomNum + ", \"" + email + "\", " +
password1 + ")");
            st.executeUpdate();
            PreparedStatement st1 = (PreparedStatement) dbconn.prepareStatement("INSERT
INTO expenses (id) VALUES (" + randomNum + ")");
            st1.executeUpdate();
        }
        catch (SQLException ex) {
        Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
    }}
    else{
        System.out.println("Database connection not available.");
    }
    }}
```

```java
    }

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

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

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

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

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

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

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

```java
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPasswordField jPasswordField1;
    private javax.swing.JPasswordField jPasswordField2;
    private javax.swing.JPasswordField jPasswordField3;
    private javax.swing.JTextField jTextField2;
    // End of variables declaration
}
```

ContactPage.java

```java
package travel_management_system;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class ContactPage extends javax.swing.JFrame {

    public ContactPage() {
        initComponents();
    }

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jTextField1 = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jButton4 = new javax.swing.JButton();
        jButton5 = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        jTextField2 = new javax.swing.JTextField();
```

```java
        jLabel4 = new javax.swing.JLabel();
        jComboBox1 = new javax.swing.JComboBox<>();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTable1 = new javax.swing.JTable();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(153, 204, 255));
        jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));
        jPanel1.setPreferredSize(new java.awt.Dimension(707, 558));

        jLabel1.setFont(new java.awt.Font("Gill Sans", 1, 48)); // NOI18N
        jLabel1.setText("CONTACTS");

        jButton1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton1.setText("SAVE");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jTextField1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jTextField1.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
        jTextField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField1ActionPerformed(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jLabel2.setText("CONTACT NUMBER");

        jButton2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton2.setText("BACK");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jButton3.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton3.setText("VIEW");
        jButton3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```java
        jButton3ActionPerformed(evt);
      }
    });

    jButton4.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jButton4.setText("DELETE");
    jButton4.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
      }
    });

    jButton5.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jButton5.setText("ADD");
    jButton5.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
      }
    });

    jLabel3.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jLabel3.setText("CONTACT NAME");

    jTextField2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jTextField2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
    jTextField2.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField2ActionPerformed(evt);
      }
    });

    jLabel4.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jLabel4.setText("CONTACT IMPORTANCE");

    jComboBox1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"HIGH", "MEDIUM", "LOW" }));

    jTable1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jTable1.setModel(new javax.swing.table.DefaultTableModel(
      new Object [][] {

      },
      new String [] {
        "Importance", "Name", "Number"
      }
```

```
    ));
    jScrollPane1.setViewportView(jTable1);

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
            .addGroup(jPanel1Layout.createSequentialGroup()
              .addGap(191, 191, 191)
              .addComponent(jLabel1))
            .addGroup(jPanel1Layout.createSequentialGroup()
              .addGap(54, 54, 54)
              .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addGap(12, 12, 12)
              .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
              .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
              .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
              .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)))
          .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
          .addContainerGap(45, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
              .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 170,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addComponent(jLabel2))
          .addGap(30, 30, 30)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
              .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, 203,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addComponent(jLabel3))
```

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                    .addComponent(jComboBox1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 182, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel4, javax.swing.GroupLayout.Alignment.TRAILING))
                .addGap(55, 55, 55))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                        .addContainerGap(53, Short.MAX_VALUE)
                        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 579,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addContainerGap(65, Short.MAX_VALUE)))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(50, 50, 50)
                .addComponent(jLabel1)
                .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                    .addComponent(jLabel2)
                    .addComponent(jLabel3)
                    .addComponent(jLabel4))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jComboBox1, javax.swing.GroupLayout.DEFAULT_SIZE, 39,
Short.MAX_VALUE))
                .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
                .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap(294, Short.MAX_VALUE))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addContainerGap(274, Short.MAX_VALUE)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 248,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(26, Short.MAX_VALUE)))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    int id = 0;

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Connection dbconn =  DBConnection.connectDB();
        DefaultTableModel tb1Model = (DefaultTableModel) jTable1.getModel();
        if (dbconn != null){
            try {
                if (tb1Model.getRowCount() == 0)
```

```java
        {
            PreparedStatement st2 = (PreparedStatement)
dbconn.prepareStatement("TRUNCATE TABLE contacts");
            st2.execute();
        }
        else{
            for (int i = 0; i < tb1Model.getRowCount(); i++)
            {
                PreparedStatement st = (PreparedStatement)
dbconn.prepareStatement("Select * from accounts");
                ResultSet res = st.executeQuery();
                while(res.next())
                {
                    id = res.getInt("id");
                }
                String importance = tb1Model.getValueAt(i, 0).toString();
                String name = tb1Model.getValueAt(i, 1).toString();
                String number = tb1Model.getValueAt(i, 2).toString();
                PreparedStatement st1 = (PreparedStatement)
dbconn.prepareStatement("INSERT INTO contacts (id, importance, name, number) VALUES
(?, ?, ?, ?)");
                st1.setInt(1, id);
                st1.setString(2, importance);
                st1.setString(3, name);
                st1.setString(4, number);
                st1.executeUpdate();
            }}
        }
        catch (SQLException ex) {
            Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
        }}
        else{
            System.out.println("Database connection not available.");
        }
    }

    private void jTextField1ActionPerformed(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();
        HomePage home = new HomePage();
        home.setTitle("Home");
        home.setVisible(true);
    }
```

```java
    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Connection dbconn =  DBConnection.connectDB();
        if (dbconn != null){
          try {
            PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("Select *
from contacts");
            ResultSet rs = st.executeQuery();
            DefaultTableModel tm = (DefaultTableModel) jTable1.getModel();
            tm.setRowCount(0);
            while(rs.next()){

            Object o[] =
{rs.getString("importance"),rs.getString("name"),rs.getString("number")};
            tm.addRow(o);
        }

        }
        catch (SQLException ex) {
        Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
        }}
        else{
          System.out.println("Database connection not available.");
        }
    }

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if (jTable1.getSelectedRowCount() == 0)
        {
            JOptionPane.showMessageDialog(this, "Please select a task to delete.", "Error",
JOptionPane.ERROR_MESSAGE);
        }
        else if (jTable1.getSelectedRowCount() == 1) {
            DefaultTableModel tb1Model = (DefaultTableModel) jTable1.getModel();
            tb1Model.removeRow(jTable1.getSelectedRow());
        }
    }

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String importance = jComboBox1.getSelectedItem().toString();
        if (jTextField1.getText().isEmpty() || jTextField2.getText().isEmpty())
        {
            JOptionPane.showMessageDialog(this, "Please enter all required fields.", "Error",
JOptionPane.ERROR_MESSAGE);
```

```java
        }
        else{
            String data[] = {importance, jTextField1.getText(), jTextField2.getText()};
            DefaultTableModel tb1Model = (DefaultTableModel) jTable1.getModel();
            tb1Model.addRow(data);
            jTextField1.setText("");
            jTextField2.setText("");
        }
    }

    private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

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

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

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

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

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

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

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JButton jButton5;
    private javax.swing.JComboBox<String> jComboBox1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable jTable1;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    // End of variables declaration
}
```

DBConnection.java

```java
package travel_management_system;
import java.sql.*;

public class DBConnection {
    static final String DB_URL = "jdbc:mysql://localhost:3306/traveldatabase";
    static final String USER = "root";
    static final String PASS = "";

    public static Connection connectDB()
    {
        Connection conn = null;
        try
```

```
        {
            Class.forName("com.mysql.cj.jdbc.Driver");
            conn = DriverManager.getConnection(DB_URL, USER, PASS);
            return conn;
        }
        catch(Exception ex)
        {
            System.out.println("There were errors connecting to the database.");
            return null;
        }
    }
}
```

HomePage.java

```
package travel_management_system;

import java.io.IOException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

public class HomePage extends javax.swing.JFrame {

    public HomePage() {
        initComponents();
    }

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jButton3 = new javax.swing.JButton();
        jButton10 = new javax.swing.JButton();
        jButton11 = new javax.swing.JButton();
        jButton12 = new javax.swing.JButton();
        jButton13 = new javax.swing.JButton();
        jButton14 = new javax.swing.JButton();
        jButton15 = new javax.swing.JButton();
        jButton16 = new javax.swing.JButton();
        jButton17 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(153, 204, 255));
```

```java
jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));
    jPanel1.setPreferredSize(new java.awt.Dimension(707, 558));

    jLabel1.setFont(new java.awt.Font("Gill Sans", 1, 80)); // NOI18N
    jLabel1.setText("HOME");

    jButton3.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jButton3.setText("OPEN MAP");
    jButton3.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton3ActionPerformed(evt);
        }
    });

    jButton10.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jButton10.setText("MANAGE ITINERARY");
    jButton10.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton10ActionPerformed(evt);
        }
    });

    jButton11.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jButton11.setText("MANAGE EXPENSES");
    jButton11.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton11ActionPerformed(evt);
        }
    });

    jButton12.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jButton12.setText("UPDATE JOURNAL");
    jButton12.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton12ActionPerformed(evt);
        }
    });

    jButton13.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jButton13.setText("CLICK IMAGE");
    jButton13.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton13ActionPerformed(evt);
        }
    });
```

```java
        jButton14.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton14.setText("MANAGE CONTACTS");
        jButton14.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton14ActionPerformed(evt);
            }
        });

        jButton15.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton15.setText("VIEW JOURNAL");
        jButton15.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton15ActionPerformed(evt);
            }
        });

        jButton16.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton16.setText("CHANGE PASSWORD");
        jButton16.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton16ActionPerformed(evt);
            }
        });

        jButton17.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton17.setText("LOG OUT");
        jButton17.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton17ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(202, 202, 202)
                    .addComponent(jLabel1))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(33, 33, 33)
```

```
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(jButton12, javax.swing.GroupLayout.PREFERRED_SIZE,
197, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(22, 22, 22)
                            .addComponent(jButton13, javax.swing.GroupLayout.PREFERRED_SIZE,
197, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(18, 18, 18)
                            .addComponent(jButton14, javax.swing.GroupLayout.PREFERRED_SIZE,
197, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(jButton11, javax.swing.GroupLayout.PREFERRED_SIZE,
197, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(22, 22, 22)
                            .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE,
197, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(18, 18, 18)
                            .addComponent(jButton10, javax.swing.GroupLayout.PREFERRED_SIZE,
197, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(jButton15, javax.swing.GroupLayout.PREFERRED_SIZE,
197, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(22, 22, 22)
                            .addComponent(jButton16, javax.swing.GroupLayout.PREFERRED_SIZE,
197, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(18, 18, 18)
                            .addComponent(jButton17, javax.swing.GroupLayout.PREFERRED_SIZE,
197, javax.swing.GroupLayout.PREFERRED_SIZE)))))
                .addContainerGap(33, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(15, 15, 15)
                .addComponent(jLabel1)
                .addGap(36, 36, 36)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                    .addComponent(jButton10, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton11, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```java
            .addGap(27, 27, 27)

            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jButton14, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton13, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton12, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(30, 30, 30)

            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jButton17, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton16, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton15, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap(54, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 559,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
    );

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

  private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        // TODO add your handling code here:
        Runtime.getRuntime().exec("open -a Maps");
```

```java
        } catch (IOException ex) {
            Logger.getLogger(HomePage.class.getName()).log(Level.SEVERE, null, ex);
        }
    }

    private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        ItineraryPage itinerarypage = new ItineraryPage();
        itinerarypage.setTitle("Manage Itinerary");
        itinerarypage.setVisible(true);
    }

    private void jButton11ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        InputExpenses inputexpenses = new InputExpenses();
        inputexpenses.setTitle("Input Expenses");
        inputexpenses.setVisible(true);
    }

    private void jButton12ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        JournalPage journalpage = new JournalPage();
        journalpage.setTitle("Manage Itinerary");
        journalpage.setVisible(true);
    }

    private void jButton13ActionPerformed(java.awt.event.ActionEvent evt) {
        Runtime rt = Runtime.getRuntime();
        try {
            String cmd = "open -a Camera";
            Process pr = rt.exec(cmd);
        } catch (IOException ex) {
            Logger.getLogger(HomePage.class.getName()).log(Level.SEVERE, null, ex);
        }
    }

    private void jButton14ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        ContactPage contactpage = new ContactPage();
        contactpage.setTitle("Manage Itinerary");
        contactpage.setVisible(true);
    }
```

```java
    private void jButton15ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        ViewJournalPage viewjournalpage = new ViewJournalPage();
        viewjournalpage.setTitle("Manage Itinerary");
        viewjournalpage.setVisible(true);
    }

    private void jButton16ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        PasswordChangePage passwordchangepage = new PasswordChangePage();
        passwordchangepage.setTitle("Change your password");
        passwordchangepage.setVisible(true);
    }

    private void jButton17ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        WelcomePage welcomepage = new WelcomePage();
        welcomepage.setTitle("Travel Management System");
        welcomepage.setVisible(true);
        JOptionPane.showMessageDialog(this, "You have successfully logged out.", "Success",
JOptionPane.INFORMATION_MESSAGE);
    }


    public static void main(String args[]) {

        //<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(HomePage.class.getName()).log(java.util.logging.Level.SE
VERE, null, ex);
```

```java
        } catch (InstantiationException ex) {

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

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

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

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

    // Variables declaration - do not modify
    private javax.swing.JButton jButton10;
    private javax.swing.JButton jButton11;
    private javax.swing.JButton jButton12;
    private javax.swing.JButton jButton13;
    private javax.swing.JButton jButton14;
    private javax.swing.JButton jButton15;
    private javax.swing.JButton jButton16;
    private javax.swing.JButton jButton17;
    private javax.swing.JButton jButton3;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JPanel jPanel1;
    // End of variables declaration
}
```

InputExpenses.java

```java
package travel_management_system;

import javax.swing.JOptionPane;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
```

```java
import java.util.logging.Level;
import java.util.logging.Logger;

public class InputExpenses extends javax.swing.JFrame {

    public InputExpenses() {
        initComponents();
    }

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

        jButton4 = new javax.swing.JButton();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();
        jTextField2 = new javax.swing.JTextField();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jButton5 = new javax.swing.JButton();

        jButton4.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton4.setText("BUTTON_TEXT");
        jButton4.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton4ActionPerformed(evt);
            }
        });

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(153, 204, 255));
        jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 5));
        jPanel1.setPreferredSize(new java.awt.Dimension(707, 558));

        jLabel1.setFont(new java.awt.Font("Gill Sans", 1, 48)); // NOI18N
        jLabel1.setText("INPUT EXPENSES");

        jButton1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton1.setText("BACK");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```java
        jButton1ActionPerformed(evt);
    }
});

jLabel2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jLabel2.setText("TOTAL BUDGET ($)");

jTextField1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jTextField1.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
jTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField1ActionPerformed(evt);
    }
});

jLabel3.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jLabel3.setText("DAILY EXPENSES ($)");

jTextField2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jTextField2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
jTextField2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField2ActionPerformed(evt);
    }
});

jButton2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jButton2.setText("RESET TOTAL EXPENSES TO 0");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jButton3.setText("SUBMIT");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jButton5.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
jButton5.setText("SEE RESULTS");
jButton5.addActionListener(new java.awt.event.ActionListener() {
```

```java
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton5ActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addGap(0, 134, Short.MAX_VALUE)
            .addComponent(jLabel1)
            .addGap(106, 106, 106))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(163, 163, 163)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G, false)
                .addComponent(jButton5, javax.swing.GroupLayout.DEFAULT_SIZE, 359,
Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G, false)
                .addComponent(jLabel2)
                .addComponent(jTextField1)
                .addComponent(jLabel3)
                .addComponent(jTextField2, javax.swing.GroupLayout.DEFAULT_SIZE, 359,
Short.MAX_VALUE)
                .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 165,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 165,
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()
            .addGap(52, 52, 52)
            .addComponent(jLabel1)
            .addGap(18, 18, 18)
            .addComponent(jLabel2)
```

```java
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 54,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jLabel3)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, 54,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jButton5, javax.swing.GroupLayout.DEFAULT_SIZE, 50,
Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(48, 48, 48))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
        );

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

    boolean flag = false;
    double total_expenses = 0;

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

```java
        // TODO add your handling code here:
        dispose();
        HomePage home = new HomePage();
        home.setTitle("Home");
        home.setVisible(true);
    }

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

    private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Connection dbconn =  DBConnection.connectDB();
        if (dbconn != null){
            try {
                PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("DELETE
FROM expenses WHERE dailyExpenses >= 0");
                st.executeUpdate();
                flag = true;
            }
            catch (SQLException ex) {
            Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
        }}
        else{
            System.out.println("Database connection not available.");
        }
    }

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        int id = 0;
        LinkedList dailyExpenses = new LinkedList();
        double budget;
        String dailyExpense;
        budget = Double.parseDouble(jTextField1.getText());
        dailyExpense = jTextField2.getText();
        Connection dbconn =  DBConnection.connectDB();
        int day_count = 0;
        dailyExpenses.add(Double.parseDouble(dailyExpense));
        day_count = day_count + 1;
        total_expenses = total_expenses + Double.parseDouble(dailyExpense);
        if (flag)
```

```java
        {
            total_expenses = Double.parseDouble(dailyExpense);
            for (int i = 0; i < day_count; i++)
            {
                dailyExpenses.delete();
            }
            flag = false;
        }
        if (dbconn != null){
            try {
                PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("Select *
from accounts");
                ResultSet res = st.executeQuery();
                while(res.next())
                {
                    id = res.getInt("id");
                }
                PreparedStatement st1 = (PreparedStatement) dbconn.prepareStatement("INSERT
INTO expenses (id, budget, dailyExpenses, totalExpenses) VALUES (" + id + ", " + budget + ", "
+ Double.parseDouble(dailyExpense) + ", " + total_expenses + ")");
                st1.executeUpdate();
            }
            catch (SQLException ex) {
                Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
            }}
        else{
            System.out.println("Database connection not available.");
        }
    }

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

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        double budget = 0;
        double travel_expenses = 0;
        Connection dbconn =  DBConnection.connectDB();
        if (dbconn != null){
            try {
                PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("Select *
from expenses WHERE totalExpenses=(SELECT MAX(totalExpenses) FROM expenses)");
                ResultSet res = st.executeQuery();
                while(res.next())
                {
                    travel_expenses = res.getDouble("totalExpenses");
```

```java
                budget = res.getDouble("budget");
            }
        }
        catch (SQLException ex) {
        Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
    }}
    else{
        System.out.println("Database connection not available.");
    }
    JOptionPane.showMessageDialog(this, "You have used " + (100 *
travel_expenses)/budget + " percent of your travel budget.", "Expenses Data",
JOptionPane.INFORMATION_MESSAGE);
    }

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

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

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

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

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

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
// End of variables declaration
}
```

ItineraryPage.java

```java
package travel_management_system;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.table.*;
import javax.swing.JOptionPane;

public class ItineraryPage extends javax.swing.JFrame {

    public ItineraryPage() {
        initComponents();
    }
```

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

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    jTextField1 = new javax.swing.JTextField();
    jLabel2 = new javax.swing.JLabel();
    jButton2 = new javax.swing.JButton();
    jComboBox1 = new javax.swing.JComboBox<>();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();
    jButton3 = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    jButton5 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(153, 204, 255));
    jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));
    jPanel1.setPreferredSize(new java.awt.Dimension(707, 558));

    jLabel1.setFont(new java.awt.Font("Gill Sans", 1, 48)); // NOI18N
    jLabel1.setText("ITINERARY");

    jButton1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jButton1.setText("DELETE");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jTextField1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jTextField1.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
    jTextField1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jTextField1ActionPerformed(evt);
        }
    });

    jLabel2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jLabel2.setText("TASK");
```

```java
        jButton2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton2.setText("ADD");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jComboBox1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"TASK COMPLETE", "TASK INCOMPLETE" }));

        jTable1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jTable1.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {

            },
            new String [] {
                "Completed", "Task"
            }
        ) {
            Class[] types = new Class [] {
                java.lang.String.class, java.lang.String.class
            };

            public Class getColumnClass(int columnIndex) {
                return types [columnIndex];
            }
        });
        jScrollPane1.setViewportView(jTable1);

        jButton3.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton3.setText("SAVE");
        jButton3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton3ActionPerformed(evt);
            }
        });

        jButton4.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton4.setText("BACK");
        jButton4.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton4ActionPerformed(evt);
            }
        });
```

```java
    jButton5.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jButton5.setText("VIEW");
    jButton5.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton5ActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(182, 182, 182)
                .addComponent(jLabel1))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(107, 107, 107)
                .addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE, 235,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(0, 0, Short.MAX_VALUE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(115, 115, 115)

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel2)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
336, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE,
109, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(125, Short.MAX_VALUE))
            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
```

```
                .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
                        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE,
101, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)
                        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE,
104, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)
                        .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE,
105, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(jButton5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(0, 0, Short.MAX_VALUE))))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel1)
            .addGap(18, 18, 18)
            .addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jLabel2)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(2, 2, 2)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addComponent(jButton5, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 41, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 259,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(424, 424, 424))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 558,
Short.MAX_VALUE)
    );

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

  int id = 0;

  private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if (jTable1.getSelectedRowCount() == 0)
    {
      JOptionPane.showMessageDialog(this, "Please select a task to delete.", "Error",
JOptionPane.ERROR_MESSAGE);
    }
    else if (jTable1.getSelectedRowCount() == 1) {
      DefaultTableModel tb1Model = (DefaultTableModel) jTable1.getModel();
      tb1Model.removeRow(jTable1.getSelectedRow());
    }
  }

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

```java
    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String comboValue = jComboBox1.getSelectedItem().toString();
        if (comboValue.equals("TASK COMPLETE"))
        {
            comboValue = "Yes";
        }
        else{
            comboValue = "No";
        }
        if (jTextField1.getText().isEmpty())
        {
            JOptionPane.showMessageDialog(this, "Please enter all required fields.", "Error",
JOptionPane.ERROR_MESSAGE);
        }
        else{
            String data[] = {comboValue, jTextField1.getText()};
            DefaultTableModel tb1Model = (DefaultTableModel) jTable1.getModel();
            tb1Model.addRow(data);
            jTextField1.setText("");
        }
    }

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Connection dbconn =  DBConnection.connectDB();
        DefaultTableModel tb1Model = (DefaultTableModel) jTable1.getModel();
        if (dbconn != null){
            try {
                if (tb1Model.getRowCount() == 0)
                {
                    PreparedStatement st2 = (PreparedStatement)
dbconn.prepareStatement("TRUNCATE TABLE tasks");
                    st2.execute();
                }
                else{
                    for (int i = 0; i < tb1Model.getRowCount(); i++)
                    {
                        PreparedStatement st = (PreparedStatement)
dbconn.prepareStatement("Select * from accounts");
                        ResultSet res = st.executeQuery();
                        while(res.next())
                        {
                            id = res.getInt("id");
                        }
                        String completed = tb1Model.getValueAt(i, 0).toString();
```

```java
                String task = tb1Model.getValueAt(i, 1).toString();
                PreparedStatement st1 = (PreparedStatement)
dbconn.prepareStatement("INSERT INTO tasks (id, completed, task) VALUES (?, ?, ?)");
                st1.setInt(1, id);
                st1.setString(2, completed);
                st1.setString(3, task);
                st1.executeUpdate();
            }}
        }
        catch (SQLException ex) {
            Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
        }}
        else{
            System.out.println("Database connection not available.");
        }
    }

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        HomePage homepage = new HomePage();
        homepage.setTitle("Home");
        homepage.setVisible(true);
    }

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Connection dbconn =  DBConnection.connectDB();
        if (dbconn != null){
            try {
                PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("Select *
from tasks");
                ResultSet rs = st.executeQuery();
                DefaultTableModel tm = (DefaultTableModel) jTable1.getModel();
                tm.setRowCount(0);
                while(rs.next()){

                Object o[] = {rs.getString("completed"),rs.getString("task")};
                tm.addRow(o);
            }

            }
            catch (SQLException ex) {
            Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
        }}
        else{
            System.out.println("Database connection not available.");
```

```java
        }
    }

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

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

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

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

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

```java
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JButton jButton5;
    private javax.swing.JComboBox<String> jComboBox1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable jTable1;
    private javax.swing.JTextField jTextField1;
    // End of variables declaration
}
```

JournalPage.java

```java
package travel_management_system;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;

public class JournalPage extends javax.swing.JFrame {

    public JournalPage() {
        initComponents();
    }

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jTextField1 = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jTextField2 = new javax.swing.JTextField();
        jButton2 = new javax.swing.JButton();
```

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

        jPanel1.setBackground(new java.awt.Color(153, 204, 255));
        jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));
        jPanel1.setPreferredSize(new java.awt.Dimension(707, 558));

        jLabel1.setFont(new java.awt.Font("Gill Sans", 1, 48)); // NOI18N
        jLabel1.setText("UPDATE JOURNAL");

        jButton1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton1.setText("SUBMIT");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jTextField1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jTextField1.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
        jTextField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField1ActionPerformed(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jLabel2.setText("JOURNAL");

        jLabel3.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jLabel3.setText("DATE");

        jTextField2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jTextField2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
        jTextField2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField2ActionPerformed(evt);
            }
        });

        jButton2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton2.setText("BACK");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```java
            jButton2ActionPerformed(evt);
          }
      });

      javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
      jPanel1.setLayout(jPanel1Layout);
      jPanel1Layout.setHorizontalGroup(
          jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
              .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
              .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addGap(50, 50, 50)
              .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addGap(207, 207, 207))
          .addGroup(jPanel1Layout.createSequentialGroup()
              .addGap(114, 114, 114)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                  .addComponent(jLabel1)
                  .addComponent(jLabel2)
                  .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, 498,
javax.swing.GroupLayout.PREFERRED_SIZE)
                  .addComponent(jLabel3)
                  .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 256,
javax.swing.GroupLayout.PREFERRED_SIZE))
              .addContainerGap(85, Short.MAX_VALUE))
      );
      jPanel1Layout.setVerticalGroup(
          jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addGroup(jPanel1Layout.createSequentialGroup()
              .addGap(27, 27, 27)
              .addComponent(jLabel1)
              .addGap(44, 44, 44)
              .addComponent(jLabel3)
              .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
              .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addGap(28, 28, 28)
              .addComponent(jLabel2)
              .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
              .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, 186,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addGap(29, 29, 29)
```

```java
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addContainerGap(37, Short.MAX_VALUE))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    int id = 0;

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String date = jTextField1.getText();
        String journal = jTextField2.getText();
        Connection dbconn =  DBConnection.connectDB();
        if (dbconn != null){
            try {
                PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("Select *
from accounts");
                ResultSet res = st.executeQuery();
                while(res.next())
                {
                    id = res.getInt("id");
                }
                PreparedStatement st1 = (PreparedStatement) dbconn.prepareStatement("INSERT
INTO journal (id, date, journal) VALUES (?, ?, ?)");
                st1.setInt(1, id);
```

```java
                st1.setString(2, date);
                st1.setString(3, journal);
                st1.executeUpdate();
            }
            catch (SQLException ex) {
            Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
        }}
        else{
            System.out.println("Database connection not available.");
        }
    }

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

    private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        HomePage homepage = new HomePage();
        homepage.setTitle("Home");
        homepage.setVisible(true);
    }

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

```
            } catch (ClassNotFoundException ex) {

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

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

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

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

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

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    // End of variables declaration
}
```

LinkedList.java

```
package travel_management_system;

public class LinkedList {
    node head = new node();

    void add(double num)
```

```java
    {
        node temp = new node(num, null);
        if (head == null)
        {
            head = temp;
        }
        else
        {
            temp.next = head;
            head = temp;
        }
    }

    void delete()
    {
        if (head != null)
        {
            head = head.next;
        }
        else
        {
            System.out.println("The linked list is empty.");
        }
    }

    String print()
    {
        node temp = head;
        String list = "";
        while (temp != null)
        {
            System.out.println(temp.num);
            list = list + temp.num + ", ";
            temp = temp.next;
        }
        list = list.substring(0, list.length() - 2);
        list = "( " + list + " )";
        return list;
    }
}
```

LoginPage.java

```java
package travel_management_system;
import javax.swing.*;
import java.sql.*;
import java.util.logging.Level;
```

```java
import java.util.logging.Logger;

public class LoginPage extends javax.swing.JFrame {

    public LoginPage() {
        initComponents();
    }

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jPasswordField1 = new javax.swing.JPasswordField();
        jButton2 = new javax.swing.JButton();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(153, 204, 255));
        jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));
        jPanel1.setPreferredSize(new java.awt.Dimension(707, 558));

        jLabel1.setFont(new java.awt.Font("Gill Sans", 1, 80)); // NOI18N
        jLabel1.setText("SIGN IN");

        jTextField1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jTextField1.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
        jTextField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField1ActionPerformed(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jLabel2.setText("EMAIL ID");

        jLabel3.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jLabel3.setText("PASSWORD");

        jPasswordField1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
```

```java
        jPasswordField1.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
        jPasswordField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jPasswordField1ActionPerformed(evt);
            }
        });

        jButton2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton2.setText("BACK");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jButton1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton1.setText("SUBMIT");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILIN
G)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addContainerGap(169, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILIN
G)
                        .addComponent(jLabel1)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                        .addComponent(jLabel2)
                        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
332, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel3)
```

```
                    .addComponent(jPasswordField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 332,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
                    .addGap(184, 184, 184)
                    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 147,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18)
                    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 147,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(0, 0, Short.MAX_VALUE)))
            .addGap(187, 187, 187))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap(77, Short.MAX_VALUE)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(53, 53, 53)
            .addComponent(jLabel2)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(26, 26, 26)
            .addComponent(jLabel3)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(46, 46, 46)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 56,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(68, 68, 68))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );

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

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

    private void jPasswordField1ActionPerformed(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();
        WelcomePage welcomepage = new WelcomePage();
        welcomepage.setTitle("Travel Management System");
        welcomepage.setVisible(true);
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String username = jTextField1.getText();
        String password = String.valueOf(jPasswordField1.getPassword());
        if(username.isEmpty() || password.isEmpty())
        {
            JOptionPane.showMessageDialog(this, "Please enter all required fields.", "Error",
JOptionPane.ERROR_MESSAGE);
        }
        else
        {
            userLogin(username, password);
        }
    }

    public static void main(String args[]) {

        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
```

```java
                new LoginPage().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPasswordField jPasswordField1;
    private javax.swing.JTextField jTextField1;
    // End of variables declaration

    private void userLogin(String username, String password) {
        Connection dbconn =  DBConnection.connectDB();
        if (dbconn != null){
        try {
            PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("Select *
from accounts WHERE username = ? AND password = ?");
            st.setString(1, username);
            st.setString(2, password);
            ResultSet res = st.executeQuery();
            if (res.next())
            {
                dispose();
                HomePage home = new HomePage();
                home.setTitle("Home");
                home.setVisible(true);
            }
            else{
                JOptionPane.showMessageDialog(this, "Username and password are incorrect.",
"Error", JOptionPane.ERROR_MESSAGE);
            }
        } catch (SQLException ex) {
            Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
        }}
        else{System.out.println("Database connection not available.");}
    }
}
```

PasswordChangePage.java

package travel_management_system;

```java
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.*;

public class PasswordChangePage extends javax.swing.JFrame {

    public PasswordChangePage() {
        initComponents();
    }

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jPasswordField1 = new javax.swing.JPasswordField();
        jLabel3 = new javax.swing.JLabel();
        jPasswordField2 = new javax.swing.JPasswordField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(153, 204, 255));
        jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));

        jLabel1.setFont(new java.awt.Font("Gill Sans", 1, 48)); // NOI18N
        jLabel1.setText("CHANGE PASSWORD");

        jLabel2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jLabel2.setText("NEW PASSWORD");

        jPasswordField1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jPasswordField1.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
        jPasswordField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jPasswordField1ActionPerformed(evt);
            }
```

```java
        });

        jLabel3.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jLabel3.setText("RE-ENTER NEW PASSWORD");

        jPasswordField2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jPasswordField2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
        jPasswordField2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jPasswordField2ActionPerformed(evt);
            }
        });

        jButton1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton1.setText("SUBMIT");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton2.setText("HOME");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(73, 73, 73)
                        .addComponent(jLabel1))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(118, 118, 118)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jLabel2)
```

```java
                .addComponent(jPasswordField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 325, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel3)
                .addComponent(jPasswordField2,
javax.swing.GroupLayout.PREFERRED_SIZE, 325,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addContainerGap(75, Short.MAX_VALUE))
      .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
        .addGap(0, 0, Short.MAX_VALUE)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(100, 100, 100)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(176, 176, 176))
    );
    jPanel1Layout.setVerticalGroup(
      jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(58, 58, 58)
        .addComponent(jLabel1)
        .addGap(46, 46, 46)
        .addComponent(jLabel2)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE, 52,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(36, 36, 36)
        .addComponent(jLabel3)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jPasswordField2, javax.swing.GroupLayout.PREFERRED_SIZE, 52,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(59, 59, 59)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
          .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
          .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(75, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
      layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```java
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    private void jPasswordField1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jPasswordField2ActionPerformed(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();
        HomePage homepage = new HomePage();
        homepage.setTitle("Home");
        homepage.setVisible(true);
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Connection dbconn =  DBConnection.connectDB();
        String newpassword1 = String.valueOf(jPasswordField1.getPassword());
        String newpassword2 = String.valueOf(jPasswordField2.getPassword());
        if (newpassword1.isEmpty() || newpassword2.isEmpty())
        {
            JOptionPane.showMessageDialog(this, "Please enter all required fields.", "Error",
JOptionPane.ERROR_MESSAGE);
        }
        else{
        if (!newpassword1.equals(newpassword2))
        {
            JOptionPane.showMessageDialog(this, "Passwords do not match.", "Error",
JOptionPane.ERROR_MESSAGE);
        }
        else
        {
            if (dbconn != null){
```

```java
        try {
            PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("UPDATE
accounts SET password =" + newpassword2);
            st.executeUpdate();
        }
        catch (SQLException ex) {
        Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
    }}
    else{
        System.out.println("Database connection not available.");
    }
        JOptionPane.showMessageDialog(this, "Your password has been successfully
updated.", "Success", JOptionPane.INFORMATION_MESSAGE);
        dispose();
        HomePage homepage = new HomePage();
        homepage.setTitle("Home");
        homepage.setVisible(true);
    }}
  }

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

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

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

```java
        } catch (IllegalAccessException ex) {

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

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

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

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPasswordField jPasswordField1;
    private javax.swing.JPasswordField jPasswordField2;
    // End of variables declaration
}
```

VerificationCodePage.java

```java
package travel_management_system;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.*;

public class VerificationCodePage extends javax.swing.JFrame {

    public VerificationCodePage() {
        initComponents();
```

```java
    }

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(153, 204, 255));
        jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));

        jLabel1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jLabel1.setText("PLEASE ENTER THE VERIFICATION CODE SENT TO YOUR EMAIL:");

        jTextField1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jTextField1.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
        jTextField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField1ActionPerformed(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Gill Sans", 1, 48)); // NOI18N
        jLabel2.setText("VERIFY YOUR EMAIL");

        jButton1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton1.setText("SUBMIT");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton2.setText("BACK");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
```

```java
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(87, 87, 87)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel1)
                    .addComponent(jLabel2)
                    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 320, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(75, Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 155, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 155, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(205, 205, 205))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(85, 85, 85)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 70, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(72, 72, 72)
                .addComponent(jLabel1)
                .addGap(18, 18, 18)
                .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 44, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(84, 84, 84)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 56, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 56, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(101, Short.MAX_VALUE))
```

```java
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

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

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

  private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int id = 0;
    Connection dbconn =  DBConnection.connectDB();
    if (dbconn != null){
      try {
        PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("Select *
from accounts");
        ResultSet res = st.executeQuery();
        while(res.next())
        {
          id = res.getInt("id");
        }
      }
      catch (SQLException ex) {
      Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
    }}
    else{
      System.out.println("Database connection not available.");
    }
    String code = jTextField1.getText();
    if (code.isEmpty())
    {
      JOptionPane.showMessageDialog(this, "Please enter all required fields.", "Error",
JOptionPane.ERROR_MESSAGE);
```

```java
        }
        else
        {
            if (code.equals(Integer.toString(id)))
            {
                dispose();
                HomePage homepage = new HomePage();
                homepage.setTitle("Home");
                homepage.setVisible(true);
            }
            else{
                JOptionPane.showMessageDialog(this, "The verification code is incorrect.", "Error",
JOptionPane.ERROR_MESSAGE);
            }
        }
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        AccountCreationPage accountcreationpage = new AccountCreationPage();
        accountcreationpage.setTitle("Create an account");
        accountcreationpage.setVisible(true);
    }

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

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

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

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

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

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

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JTextField jTextField1;
    // End of variables declaration
}
```

ViewJournalPage.java

```java
package travel_management_system;

import javax.swing.JOptionPane;
import javax.swing.table.*;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;

public class ViewJournalPage extends javax.swing.JFrame {
```

```java
public ViewJournalPage() {
    initComponents();
}

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

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    jScrollPane2 = new javax.swing.JScrollPane();
    jTable2 = new javax.swing.JTable();
    jButton2 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(153, 204, 255));
    jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));
    jPanel1.setPreferredSize(new java.awt.Dimension(707, 558));

    jLabel1.setFont(new java.awt.Font("Gill Sans", 1, 48)); // NOI18N
    jLabel1.setText("VIEW JOURNAL");

    jButton1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jButton1.setText("VIEW JOURNAL");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jTable2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
    jTable2.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {

        },
        new String [] {
            "Date", "Journal"
        }
    ) {
        Class[] types = new Class [] {
            java.lang.String.class, java.lang.String.class
        };

        public Class getColumnClass(int columnIndex) {
```

```java
                return types [columnIndex];
            }
        });
        jScrollPane2.setViewportView(jTable2);

        jButton2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton2.setText("BACK");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(173, 173, 173)
                .addComponent(jButton1)
                .addGap(45, 45, 45)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 147,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addContainerGap(104, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                        .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 488,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(105, 105, 105))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                        .addComponent(jLabel1)
                        .addGap(138, 138, 138))))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(40, 40, 40)
                .addComponent(jLabel1)
                .addGap(18, 18, 18)
```

```java
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 327,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(35, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
    );

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

  private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Connection dbconn =  DBConnection.connectDB();
    if (dbconn != null){
      try {
        PreparedStatement st = (PreparedStatement) dbconn.prepareStatement("Select *
from journal");
        ResultSet rs = st.executeQuery();
        DefaultTableModel tm = (DefaultTableModel)jTable2.getModel();
        tm.setRowCount(0);
        while(rs.next()){

        Object o[] = {rs.getString("date"),rs.getString("journal")};
        tm.addRow(o);
        }
```

```java
            }
            catch (SQLException ex) {
            Logger.getLogger(LoginPage.class.getName()).log(Level.SEVERE, null, ex);
        }}
        else{
            System.out.println("Database connection not available.");
        }
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        HomePage home = new HomePage();
        home.setTitle("Home");
        home.setVisible(true);
    }

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

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

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

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

```java
java.util.logging.Logger.getLogger(ViewJournalPage.class.getName()).log(java.util.logging.Le
vel.SEVERE, null, ex);
        }
        //</editor-fold>

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

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane2;
    private javax.swing.JTable jTable2;
    // End of variables declaration
}
```

WelcomePage.java

```java
package travel_management_system;

public class WelcomePage extends javax.swing.JFrame {

    public WelcomePage() {
        initComponents();
    }

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();

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

```java
        jPanel1.setBackground(new java.awt.Color(153, 204, 255));
        jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 5));

        jLabel1.setFont(new java.awt.Font("Gill Sans", 1, 80)); // NOI18N
        jLabel1.setText("WELCOME");

        jButton1.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton1.setText("CREATE AN ACCOUNT");
        jButton1.setAutoscrolls(true);
        jButton1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0,
0, 0)));
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton2.setFont(new java.awt.Font("Gill Sans", 0, 15)); // NOI18N
        jButton2.setText("SIGN IN");
        jButton2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0,
0, 0)));
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Gill Sans", 3, 24)); // NOI18N
        jLabel2.setText("TO YOUR PERSONALISED");

        jLabel3.setFont(new java.awt.Font("Gill Sans", 3, 24)); // NOI18N
        jLabel3.setText("TRAVEL MANAGEMENT SYSTEM");

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(224, 224, 224)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
```

```
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 229,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 229,
javax.swing.GroupLayout.PREFERRED_SIZE)))
              .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(118, 118, 118)
                .addComponent(jLabel1))
              .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(185, 185, 185)
                .addComponent(jLabel2))
              .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(141, 141, 141)
                .addComponent(jLabel3)))
            .addContainerGap(125, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
      jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(45, 45, 45)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel2)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(45, 45, 45)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 87,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 87,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(97, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
      layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(
      layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    );
```

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

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        LoginPage loginpage = new LoginPage();
        loginpage.setTitle("Sign In");
        loginpage.setVisible(true);
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        dispose();
        AccountCreationPage accountcreationpage = new AccountCreationPage();
        accountcreationpage.setTitle("Create an account");
        accountcreationpage.setVisible(true);
    }

    public static void main(String args[]) {
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                WelcomePage welcomepage = new WelcomePage();
                welcomepage.setVisible(true);
                welcomepage.setTitle("Travel Management System");
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    // End of variables declaration
}
```

node.java

```java
package travel_management_system;

public class node {
    double num;
    node next;
```

```
    node()
    {
        next = null;
    }

    node(double num, node next)
    {
        this.num = num;
        this.next = next;
    }
}
```