Employee Management System

Object Oriented Programming Lab Project Report

CSL-210

Semester BSCS-(2-B) Spring 2020

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Acknowledgement

We have put a lot of effort in this Protect. However, it would not have been possible without the kind support and help of our Course Instructor, Ms. Salas Akbar. I would like to extend my sincere thanks to her.

I am highly indebted to Bahria University for their guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project.

I would like to express my gratitude towards my parents & faculty of BUKC for their kind co-operation and encouragement which help me in completion of this project.

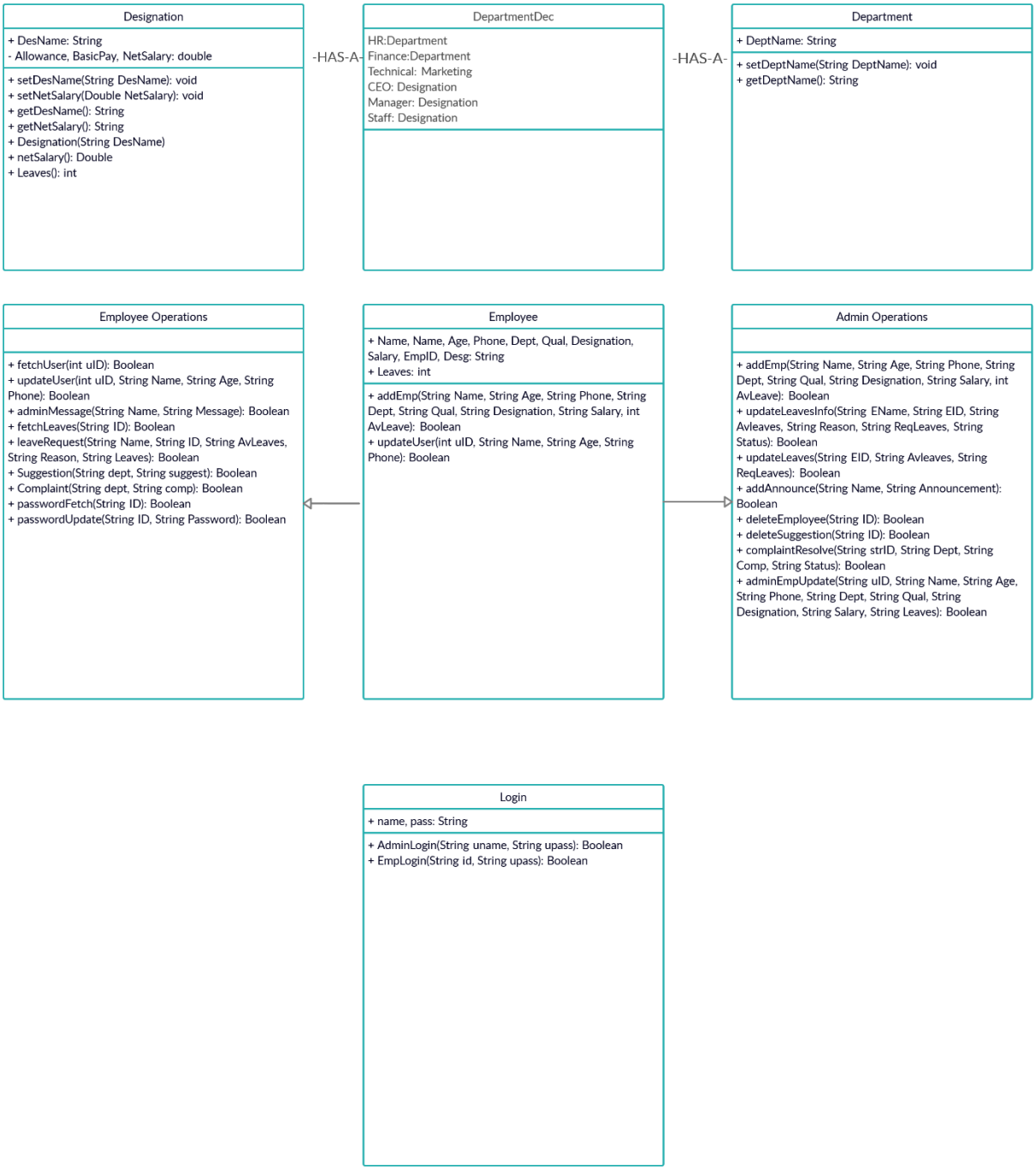
I would also like to extend my sincere thanks to my friends for their constant moral support.

Introduction and Motivation

Employee Management System is used to store information and monitor different activities of Employees in a company. All of the data such as names, working hours, salary, amount of leaves and other details are stored through connection with a database. This System allows us to manage the employee data and track the employees. It increases the efficiency editing or managing data for not only the admin but employees. It is a really easy to use software that requires no special learning for the employee and the administrator both It allows a company to register new employees, check their data like their Salary, their Position in the company, their Personal Data, how many Leaves that employee has based on their position/post in the company. This software also has an administrative panel where the admins or managers can add employee data, delete employee data, make changes to salaries like changes how allowance or taxes etc., and changes in their posts/positions like promoting or demoting them. This particular system that we have created, consists of 2 roles for the user login: Administrator and employee. Admin role allows you to add, edit, delete, and search employees' and their particular data. It also allows the users to modify some of the information such as the bonus/allowances and the job position i.e. allowing them to promote their position to a higher one. These are some of the features of our program.

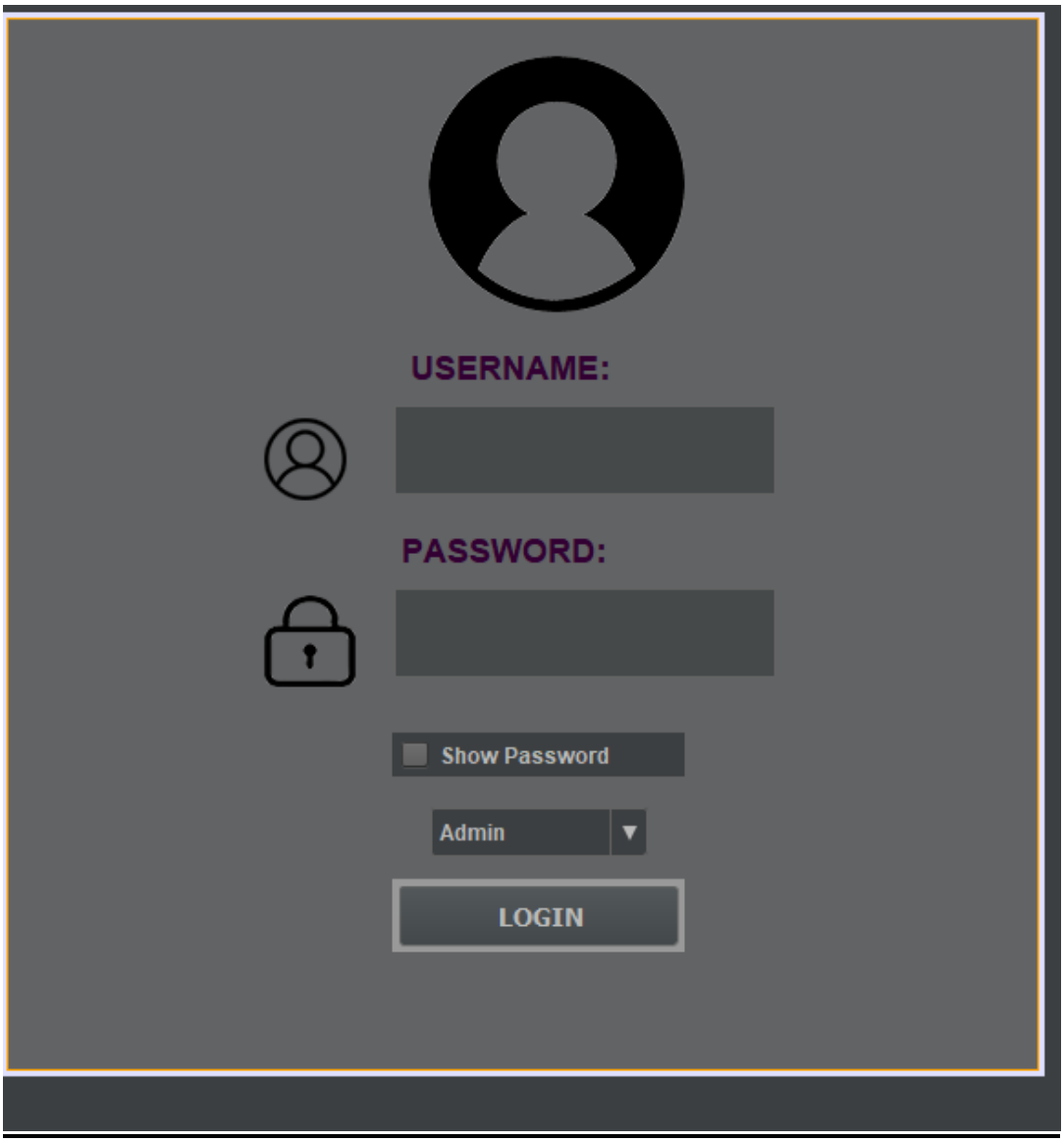
Our motivation for this project is to make it so that the paper-based management is replaced is by an enhanced, digital and more efficient way of employee management. This method reduces the cost and hassle of maintaining a hard copy inefficient management method. This allows the company to keep exact track of their employees and even communicate through digital means instead of physical or classical means of communications like Notices, Hard Copy Mails etc.

UML

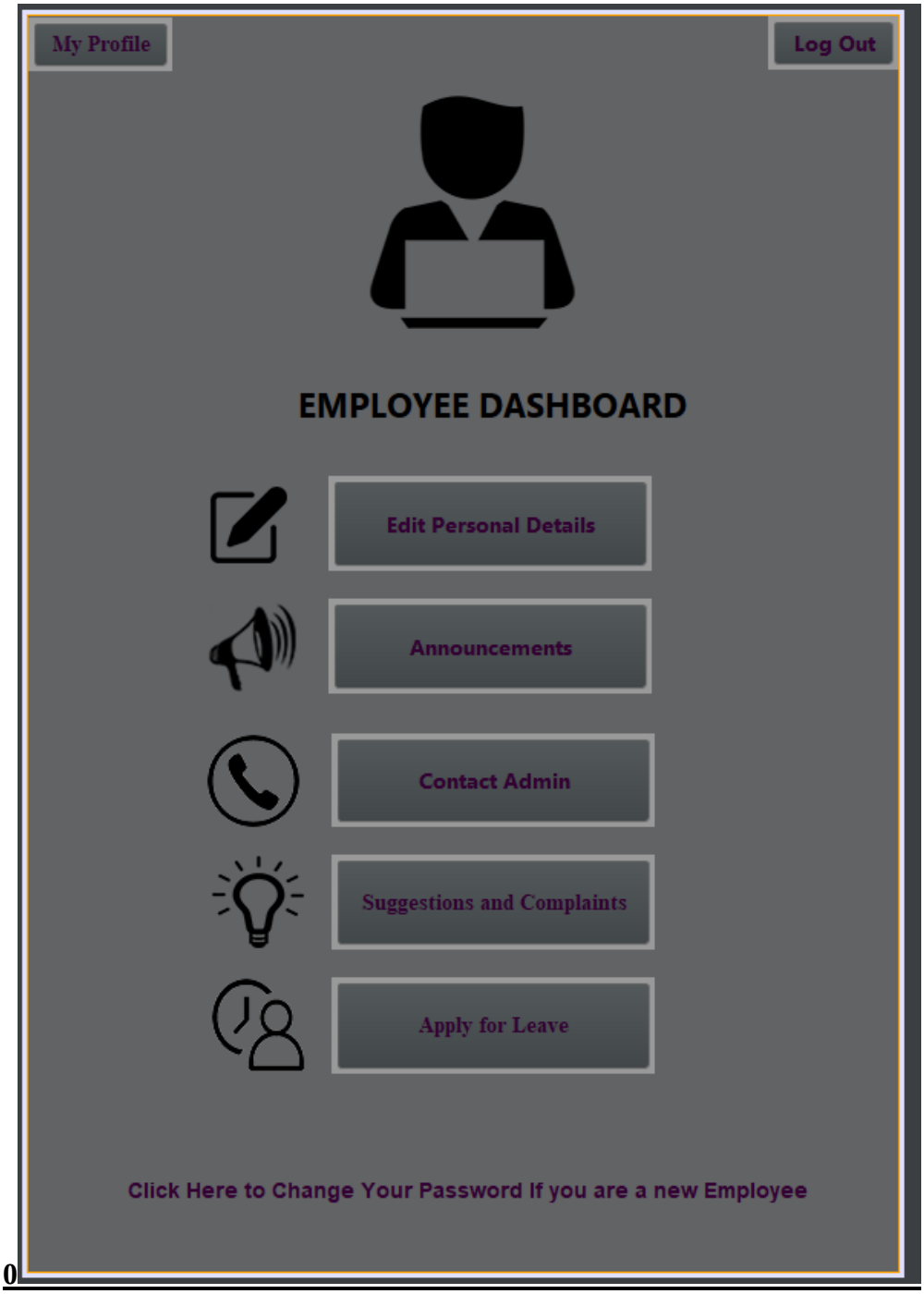

Designation
+ DesName: String
- Allowance, BasicPay, NetSalary: double
+ setDesName(String DesName): void
+ setNetSalary(Double NetSalary): void
+ getDesName(): String
+ getNetSalary(): String
+ Designation(String DesName)
+ netSalary(): Double
+ Leaves(): int
-HAS-A-
DepartmentDec
HR:Department
Finance:Department
Technical: Marketing
CEO: Designation
Manager: Designation
Staff: Designation
-HAS-A-
Department
+ DeptName: String
+ setDeptName(String DeptName): void
+ getDeptName(): String
Employee Operations
+ fetchUser(int uID): Boolean
+ updateUser(int uID, String Name, String Age, String Phone): Boolean
+ adminMessage(String Name, String Message): Boolean
+ fetchLeaves(String ID): Boolean
+ leaveRequest(String Name, String ID, String AvLeaves, String Reason, String Leaves): Boolean
+ Suggestion(String dept, String suggest): Boolean
+ Complaint(String dept, String comp): Boolean
+ passwordFetch(String ID): Boolean
+ passwordUpdate(String ID, String Password): Boolean
Employee
+ Name, Name, Age, Phone, Dept, Qual, Designation, Salary, EmpID, Desg: String
+ Leaves: int
+ addEmp(String Name, String Age, String Phone, String Dept, String Qual, String Designation, String Salary, int AvLeave): Boolean
+ updateUser(int uID, String Name, String Age, String Phone): Boolean
Admin Operations
+ addEmp(String Name, String Age, String Phone, String Dept, String Qual, String Designation, String Salary, int AvLeave): Boolean
+ updateLeavesInfo(String EName, String EID, String Avleaves, String Reason, String ReqLeaves, String Status): Boolean
+ updateLeaves(String EID, String Avleaves, String ReqLeaves): Boolean
+ addAnnounce(String Name, String Announcement): Boolean
+ deleteEmployee(String ID): Boolean
+ deleteSuggestion(String ID): Boolean
+ complaintResolve(String strID, String Dept, String Comp, String Status): Boolean
+ adminEmpUpdate(String uID, String Name, String Age, String Phone, String Dept, String Qual, String Designation, String Salary, String Leaves): Boolean
Login
+ name, pass: String
+ AdminLogin(String uname, String upass): Boolean
+ EmpLogin(String id, String upass): Boolean

PROJECT DESIGN

LoginForm.java:

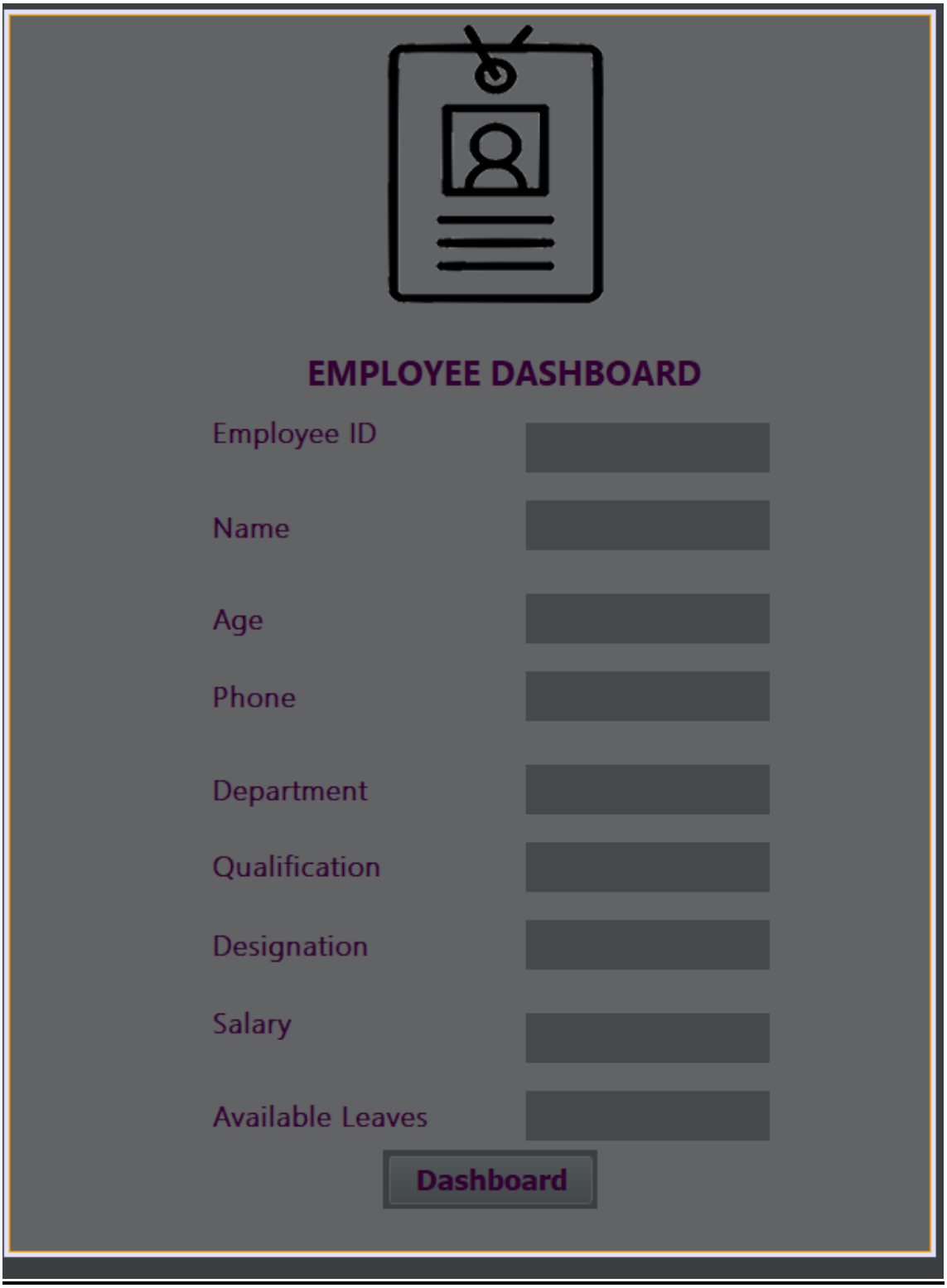


EmployeDashboard.java:

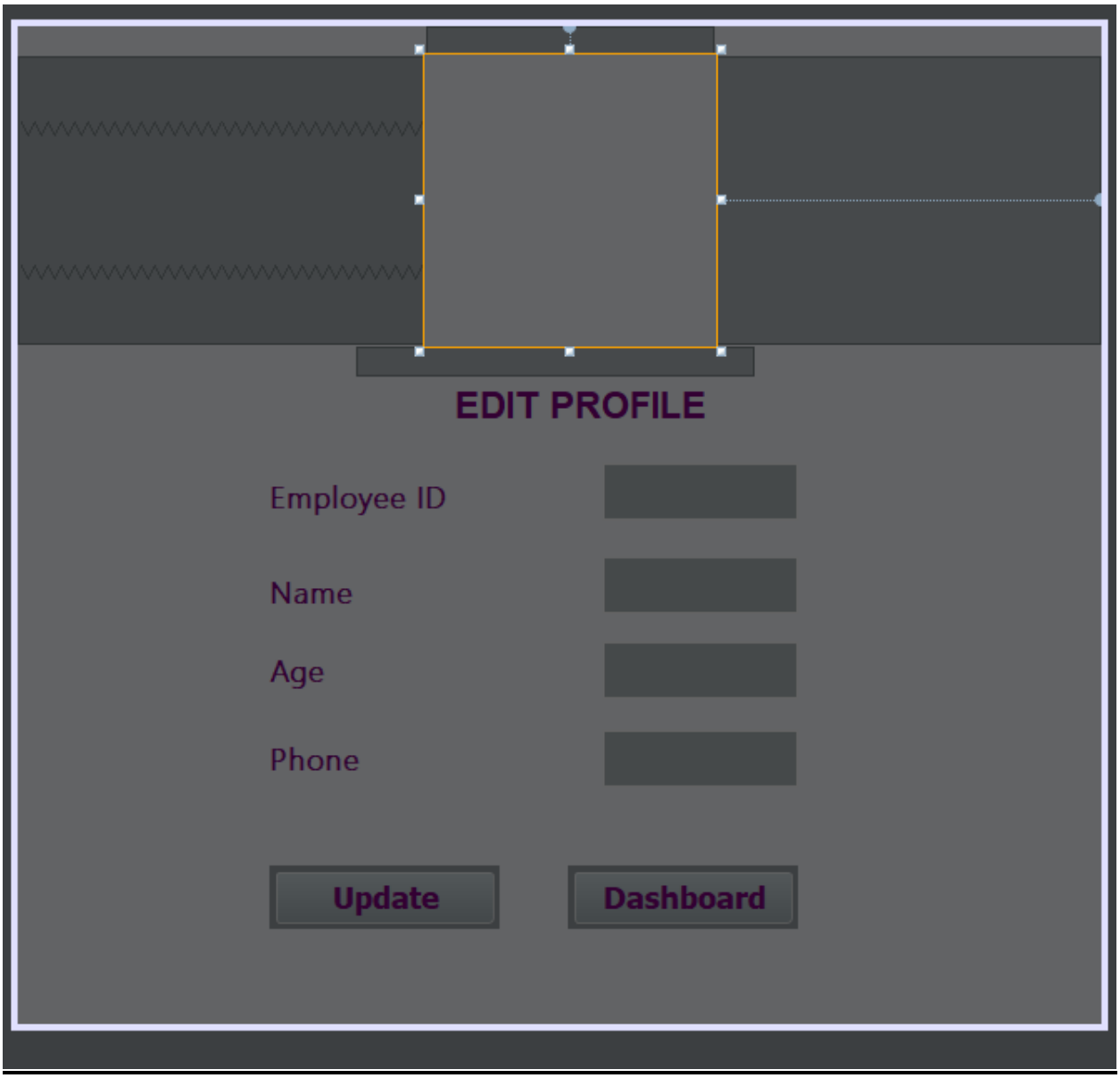


0

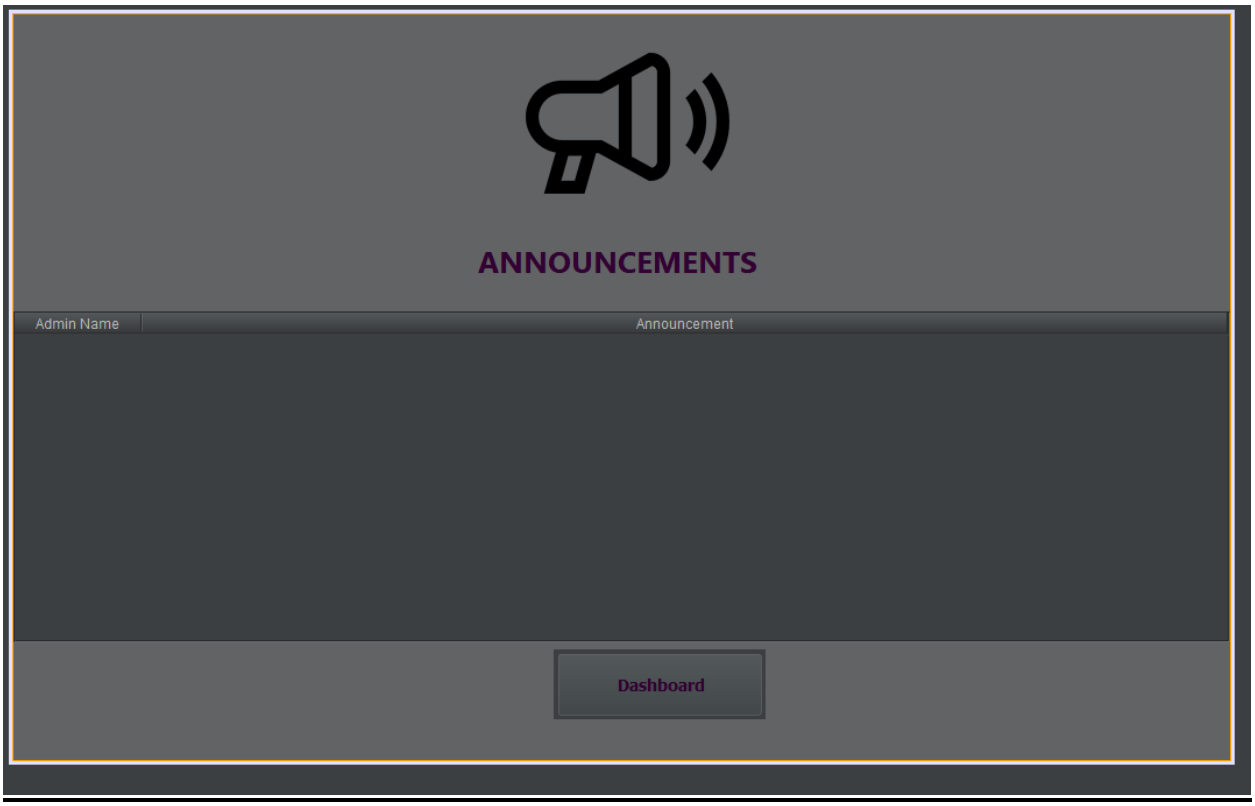
EmployeeProfile.java:



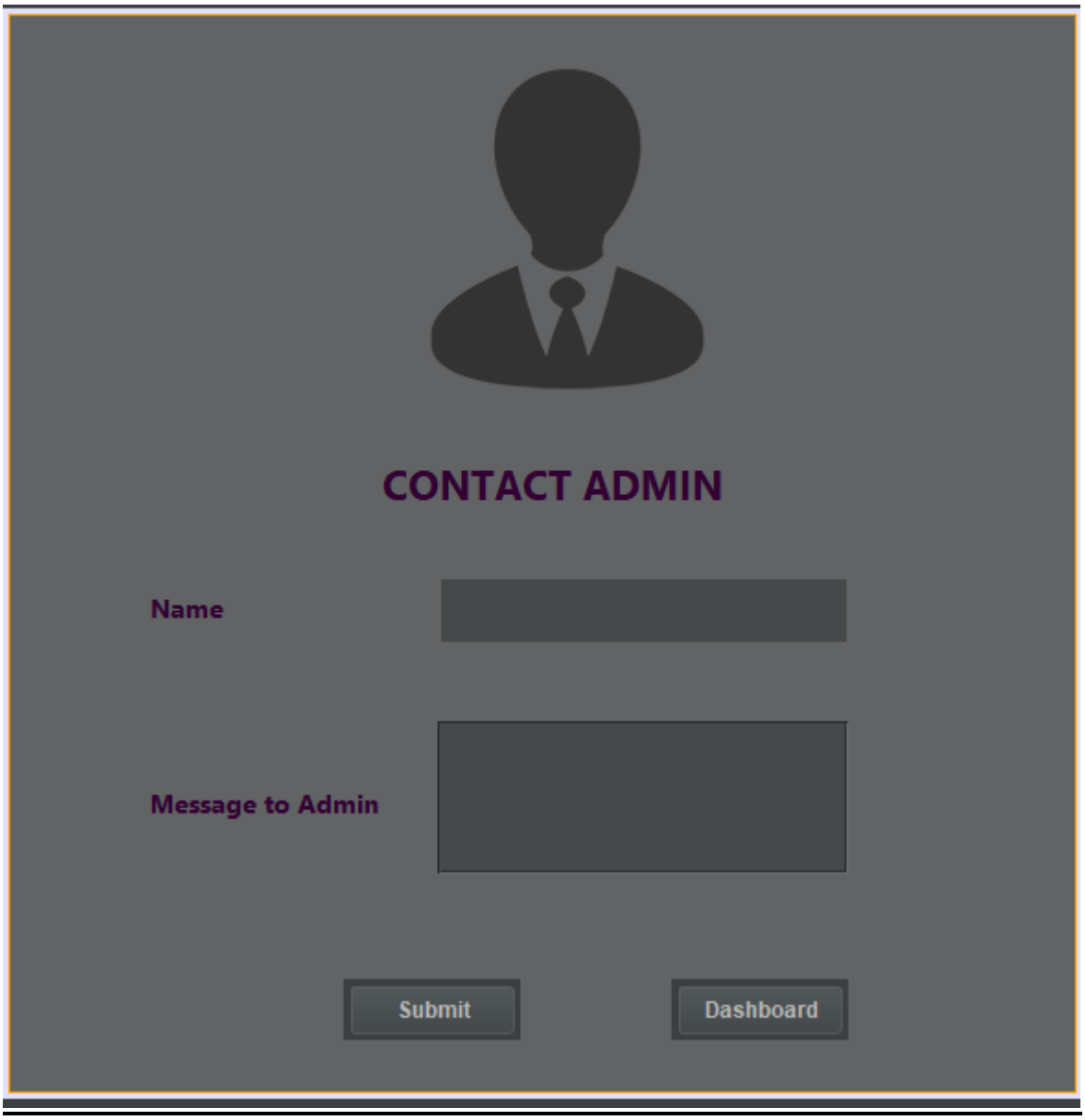
EditProfile.java:



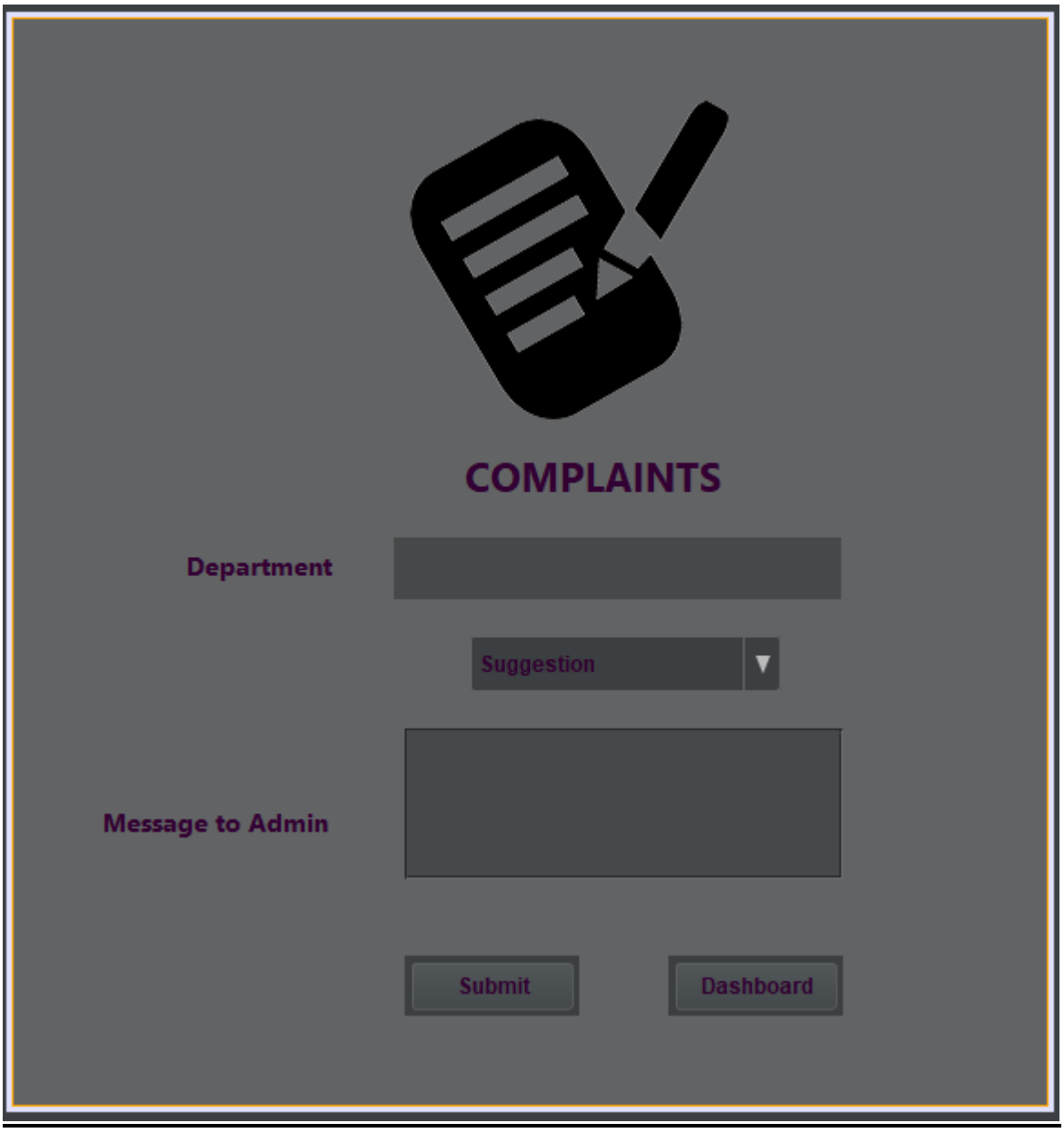
Annnouncements.java:



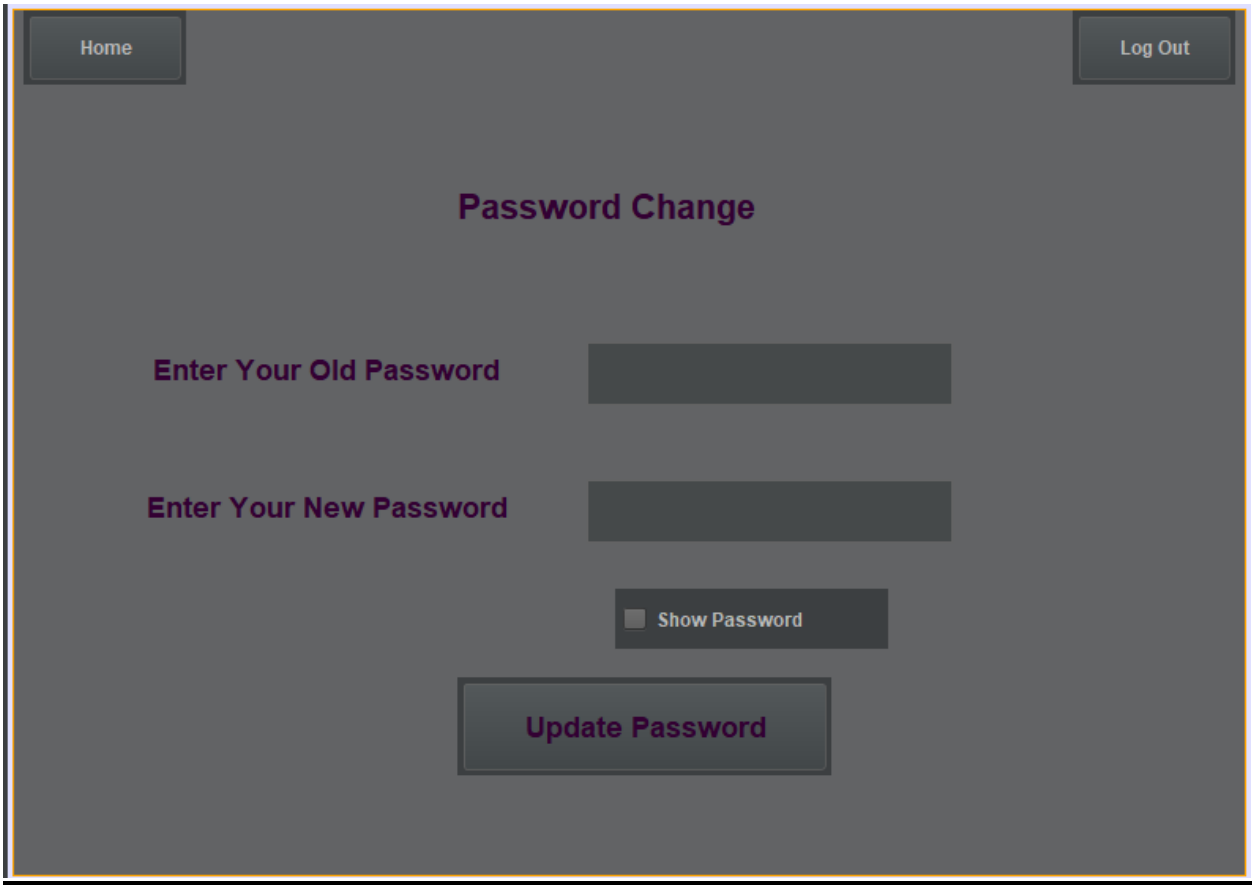
ContactAdmin.java:



Complaints.java:


COMPLAINTS
Department
Suggestion
Message to Admin
Submit
Dashboard

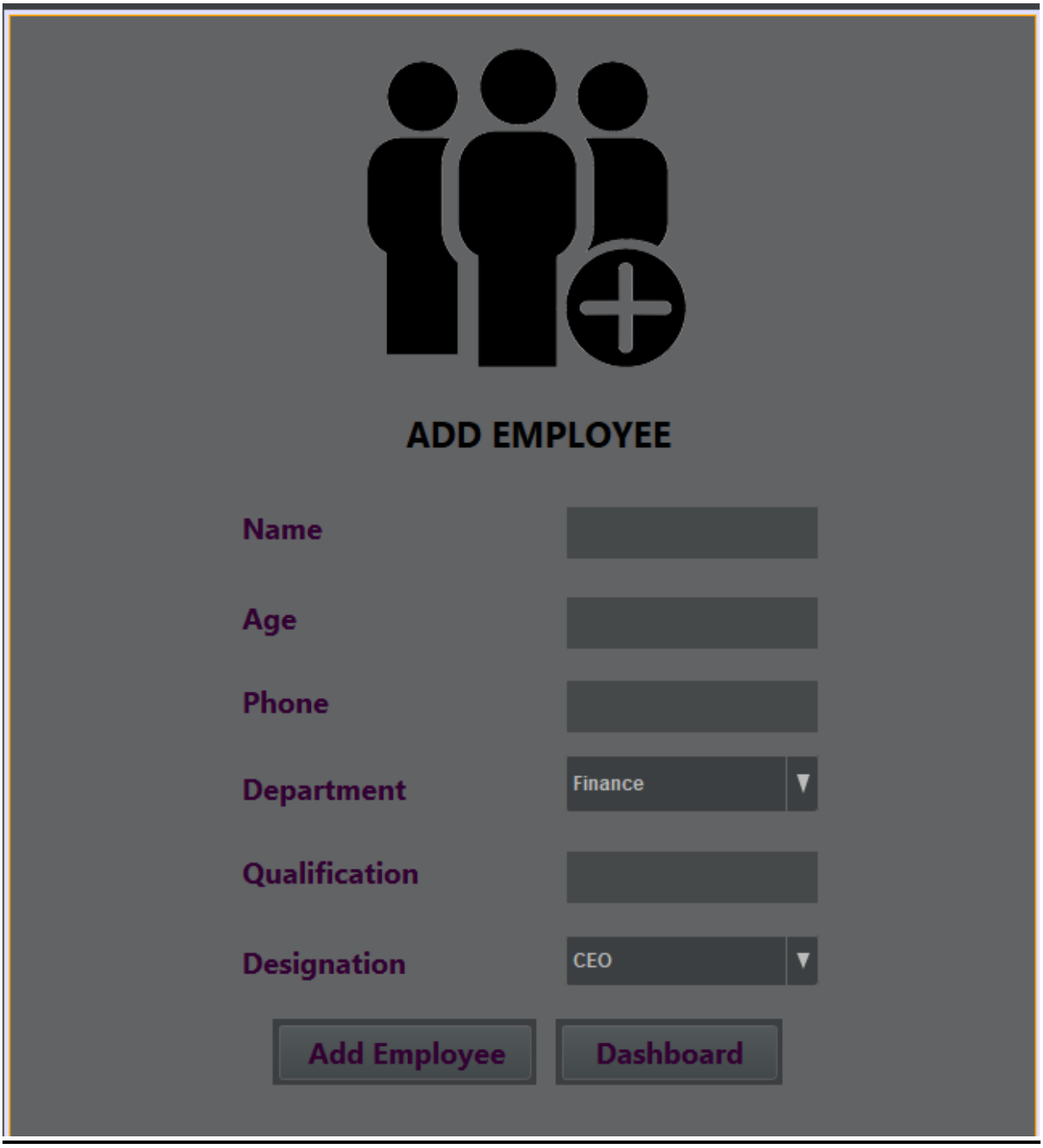
NewPassword.java



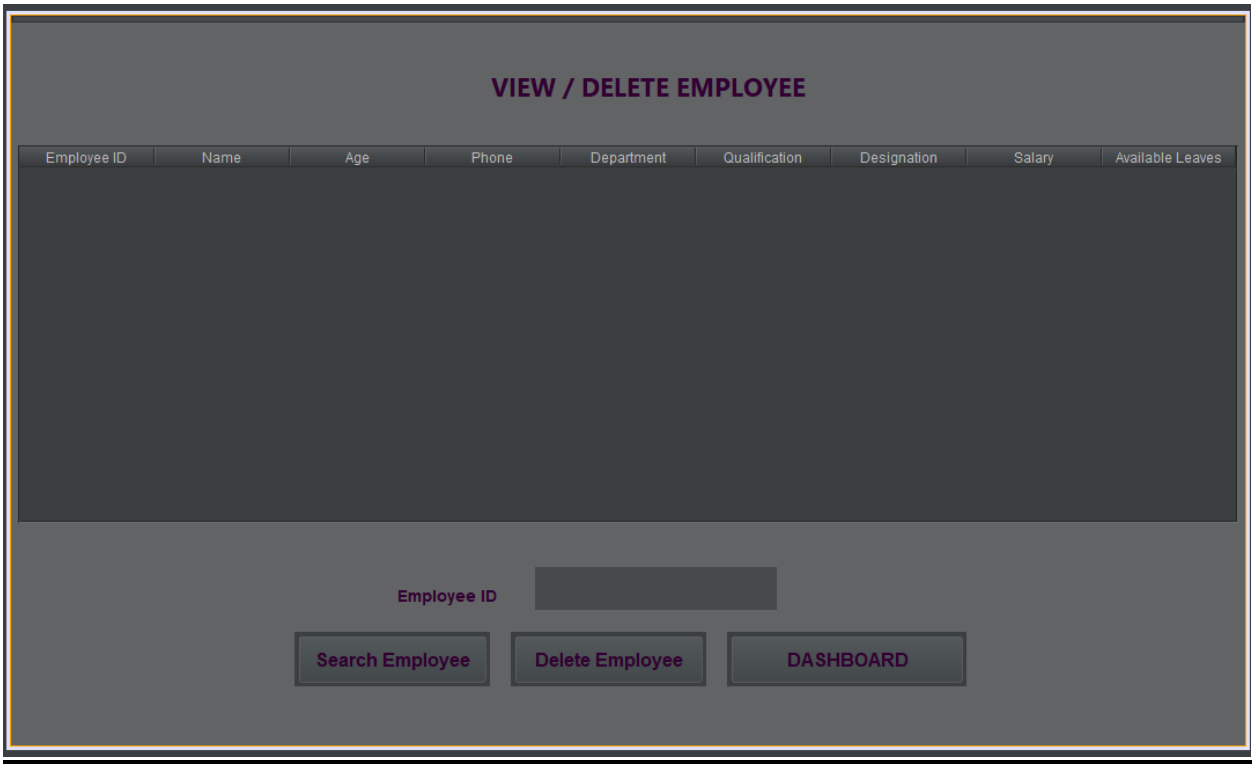
Admin.java

Log Out
ADMIN DASHBOARD
Add Employee
View or Remove Employee
Check Suggestions & Complaints
Make Announcement
Edit or Promote Employee
Check Leave Applications
Check Messages

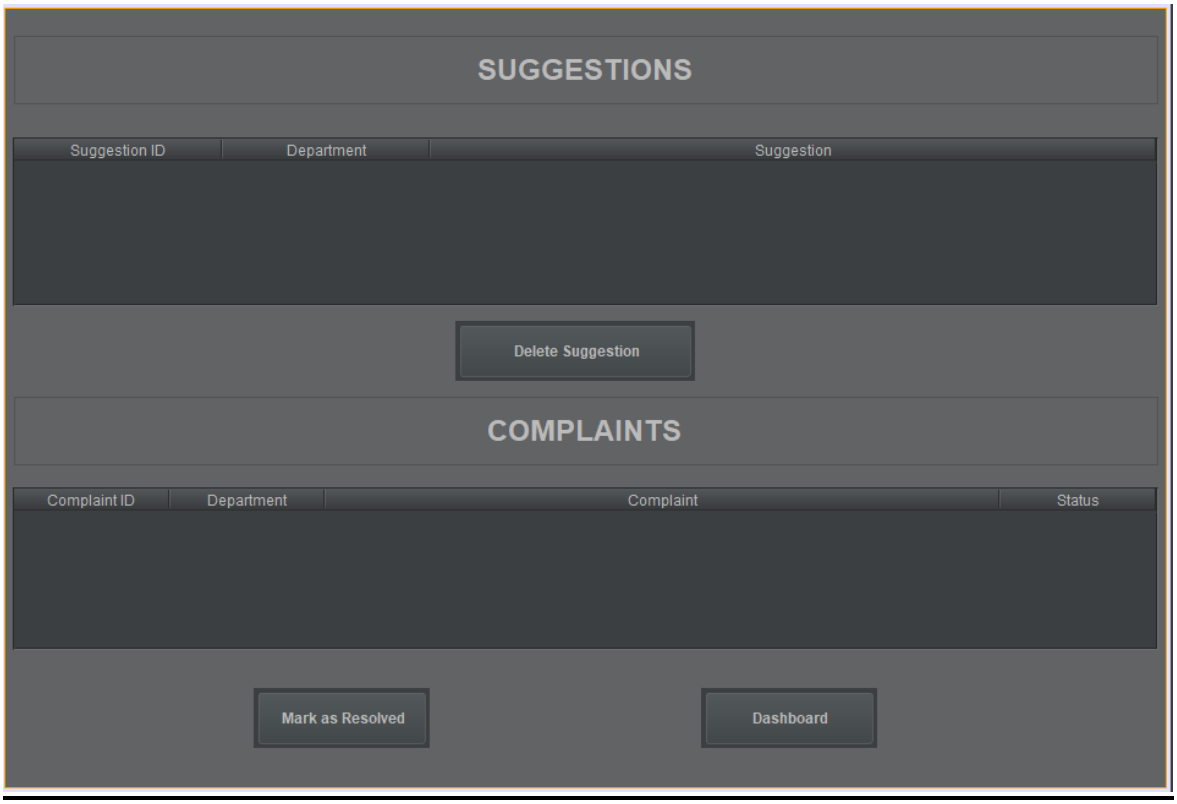
AddEmployee:



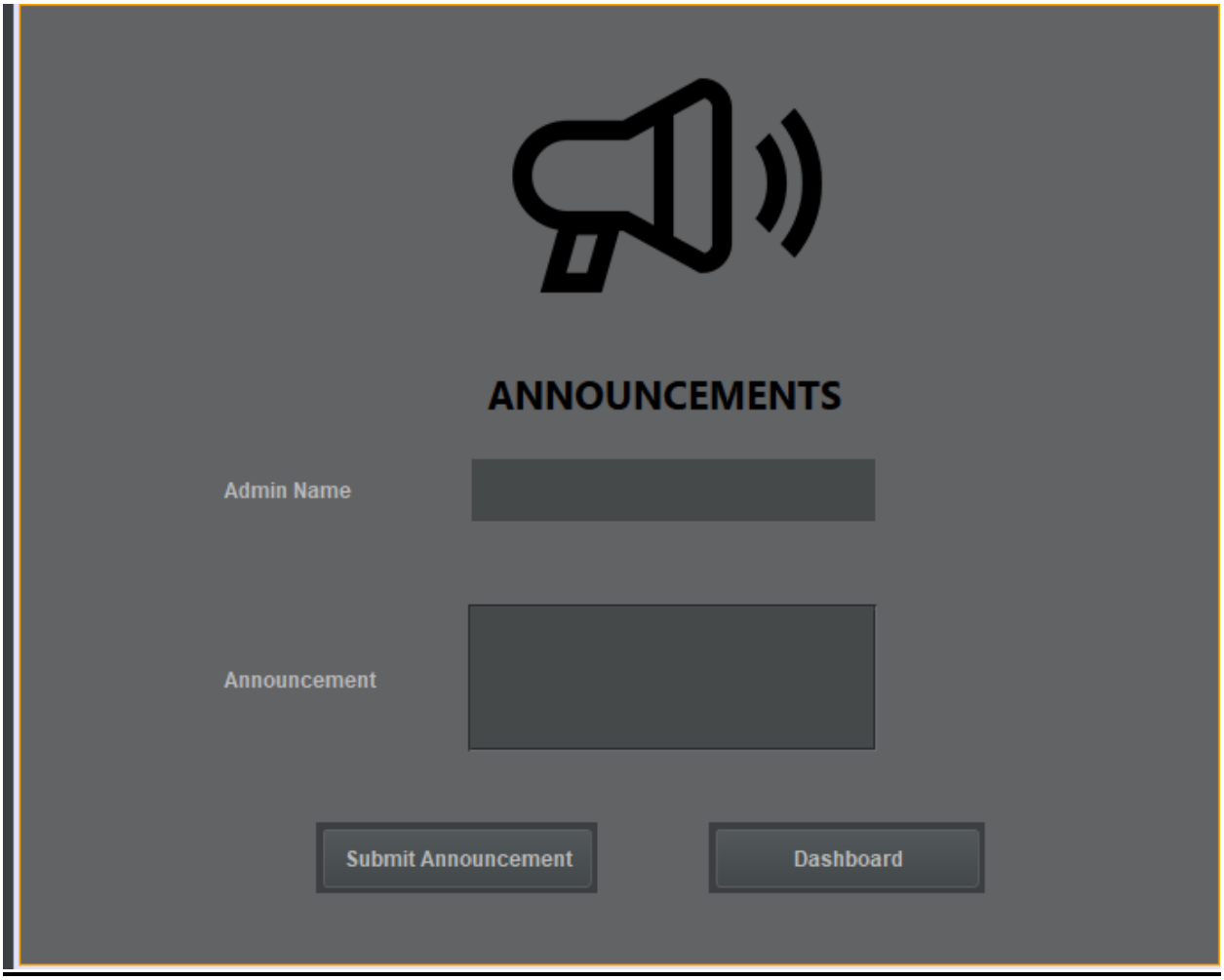
ViewDelEmployee:



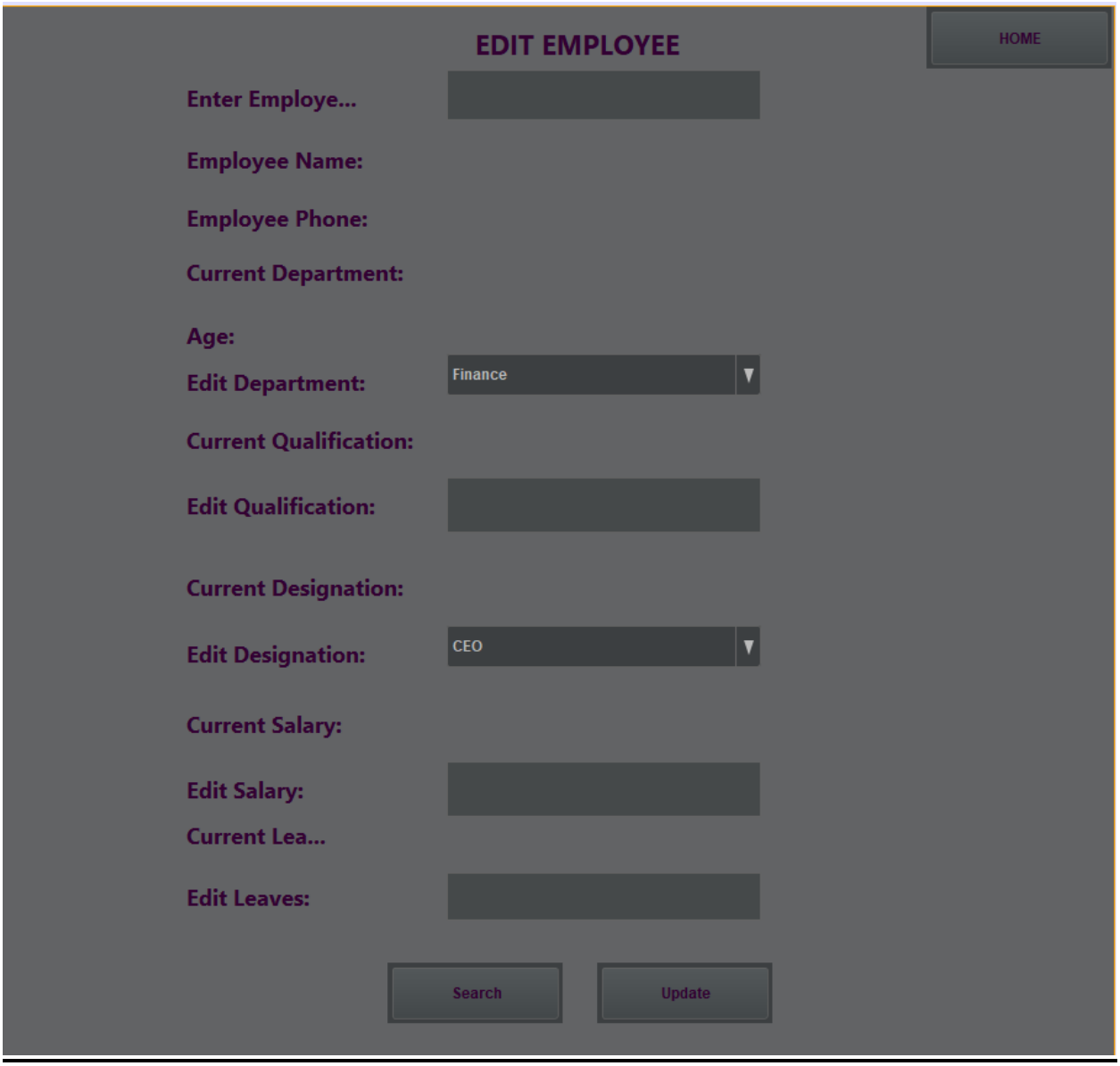
SuggestionComplaints.java:



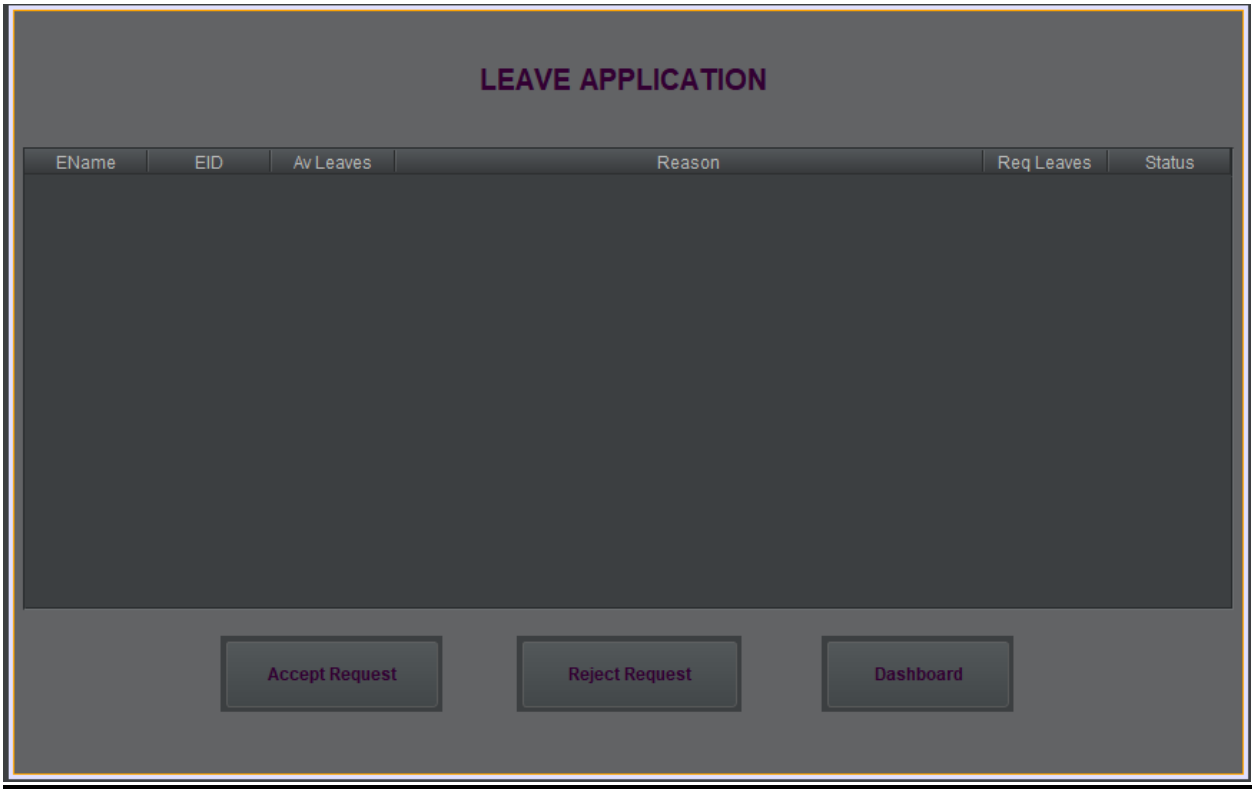
Add Announcements:



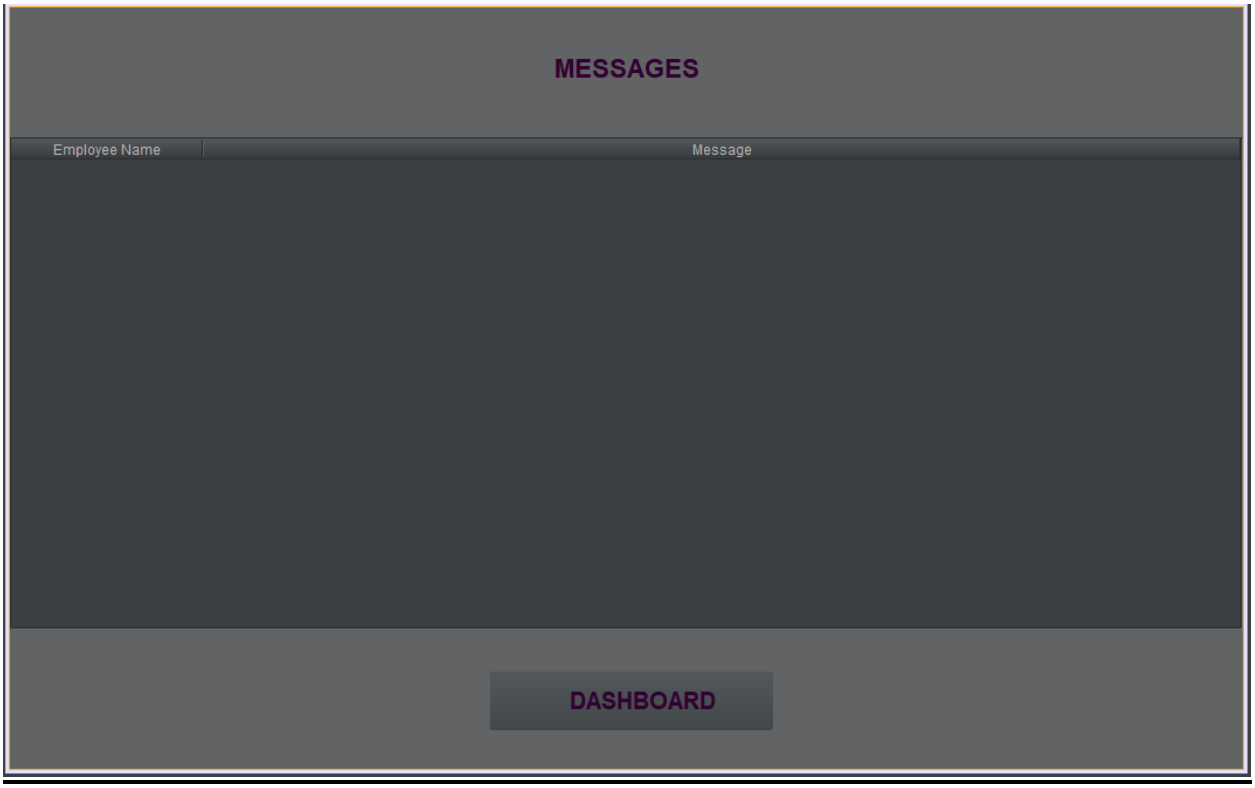
EditEmployee.java:



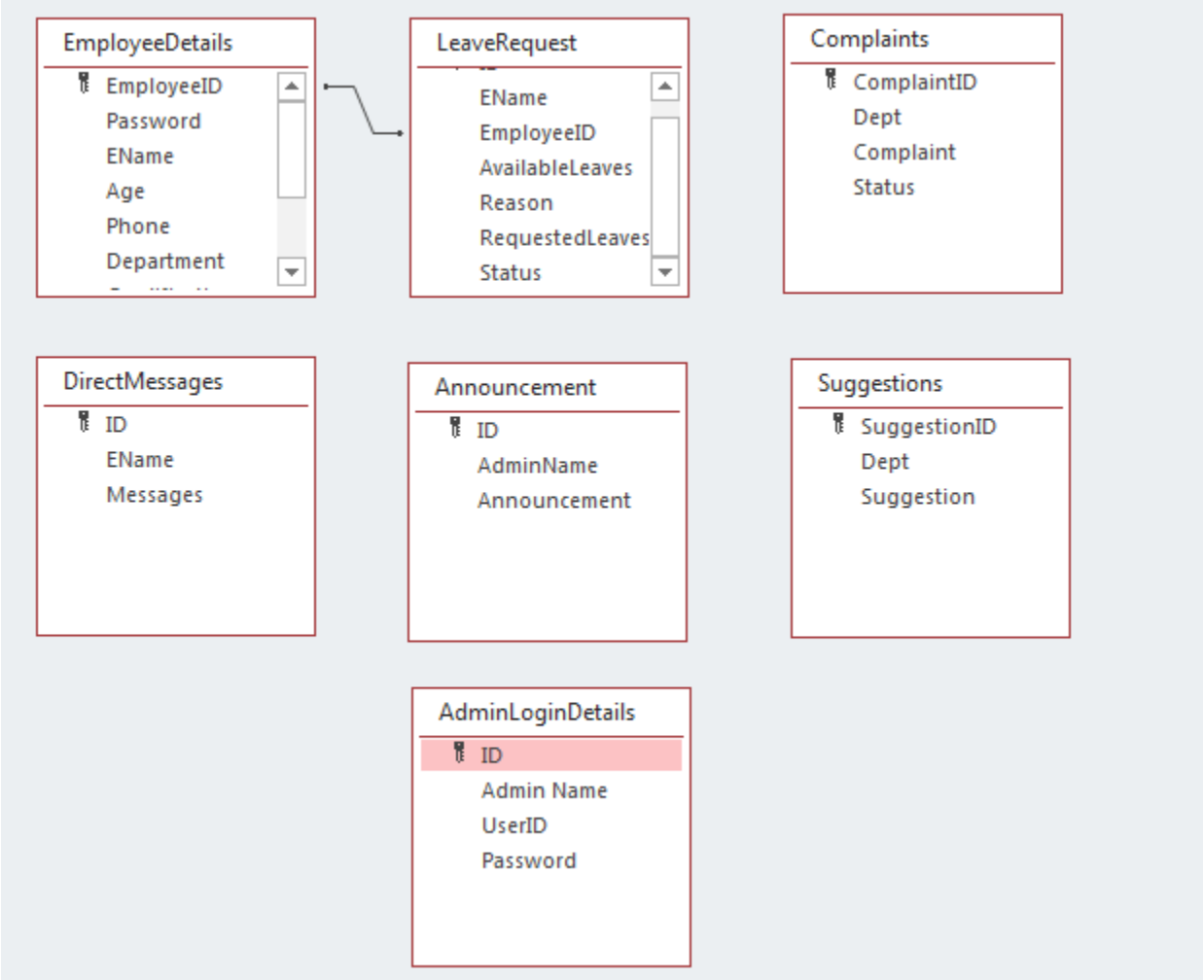
LeaveApp:


LEAVE APPLICATION
EName
EID
Av Leaves
Reason
Req Leaves
Status
Accept Request
Reject Request
Dashboard

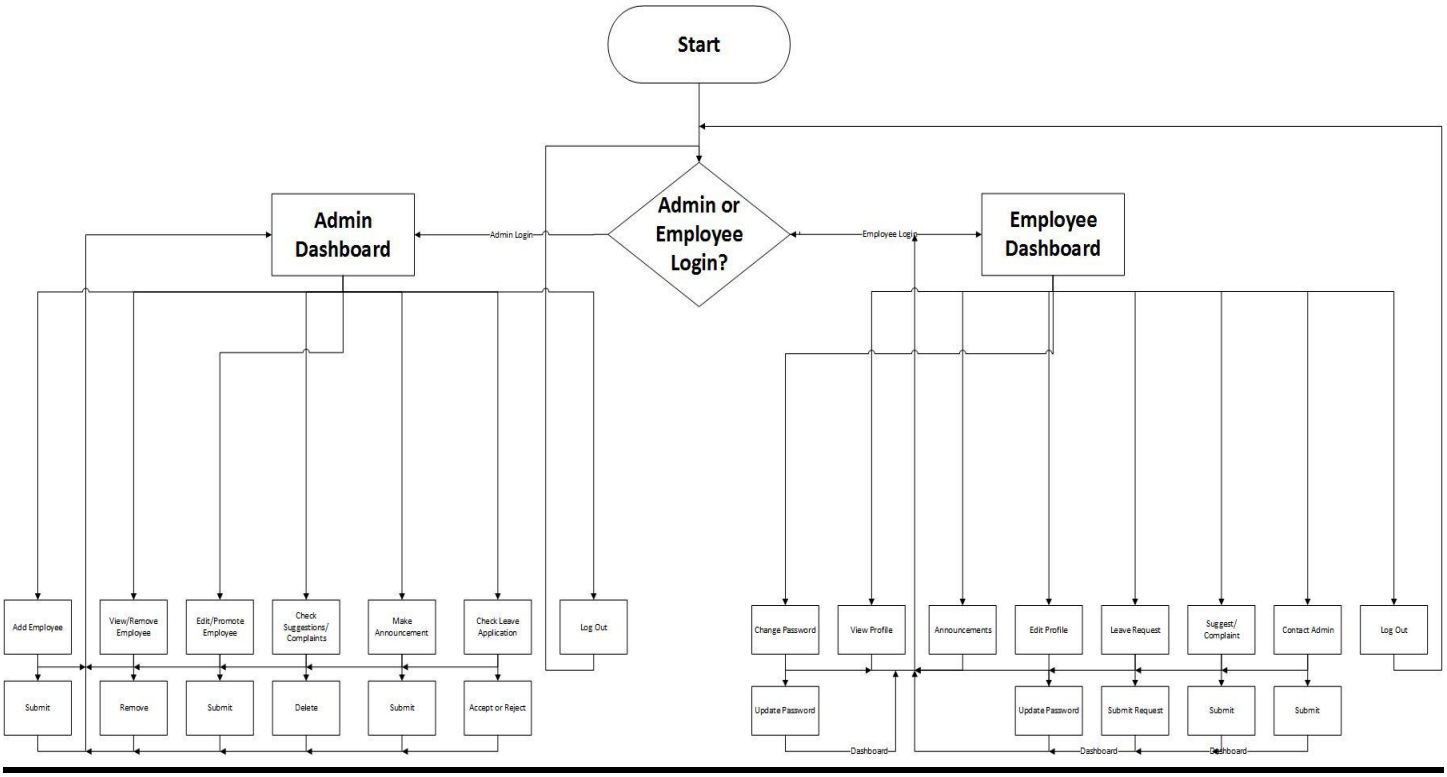
Messages.java:



DATABASE DIAGRAM



FLOWCHART


Start
Admin or Employee Login?
Admin Login
Employee Login
Admin Dashboard
Employee Dashboard
Add Employee
View/Remove Employee
Edit/Promote Employee
Check Suggestions/ Complaints
Make Announcement
Check Leave Application
Log Out
Submit
Remove
Submit
Delete
Submit
Accept or Reject
Change Password
View Profile
Announcements
Edit Profile
Leave Request
Suggest/ Complaint
Contact Admin
Log Out
Update Password
Update Password
Submit Request
Submit
Submit
Dashboard
Dashboard
Dashboard

HARDWARE AND SOFTWARE SPECIFICATIONS

Hardware requirement

- OS: Window XP or higher
- Hard Drive: 40GB
- RAM: 256 MB

Software requirement

- Java language
- Net beans IDE 7.0.1 or higher
- Microsoft Access

Results (Screenshot code and output)

Results:

CODE:

LoginForm.java:

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package projectstart;

import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import backEnd.*;
import javax.swing.JFrame;

/**
 *
 * @author fazee
 */
public class LoginForm extends javax.swing.JFrame {

    EmployeeDashboard emp = new EmployeeDashboard();
    DBConnection con = new DBConnection();

    /**
     * Creates new form LoginForm
     */
    public LoginForm() {
        initComponents();
        setResizable(false);
```

```
        setLocationRelativeTo(null);
    }

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

        jPanel2 = new javax.swing.JPanel();
        txtID = new javax.swing.JTextField();
        jComboBox1 = new javax.swing.JComboBox<>();
        BtnLogin = new javax.swing.JButton();
        upass = new javax.swing.JPasswordField();
        chkBoxPassword = new javax.swing.JCheckBox();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setMinimumSize(new java.awt.Dimension(563, 574));

        jPanel2.setBackground(new java.awt.Color(98, 99, 101));
        jPanel2.setLayout(null);
        jPanel2.add(txtID);
        txtID.setBounds(210, 210, 210, 50);

        jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Admin",
"Employee" }));
        jComboBox1.addActionListener(new java.awt.event.ActionListener() {
```

```
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jComboBox1ActionPerformed(evt);
        }
    });
    jPanel2.add(jComboBox1);
    jComboBox1.setBounds(230, 430, 120, 30);

    BtnLogin.setBackground(new java.awt.Color(153, 153, 153));
    BtnLogin.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    BtnLogin.setText("LOGIN");
    BtnLogin.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            BtnLoginActionPerformed(evt);
        }
    });
    jPanel2.add(BtnLogin);
    BtnLogin.setBounds(210, 470, 160, 40);
    jPanel2.add(upass);
    upass.setBounds(210, 310, 210, 50);

    chkBoxPassword.setText("Show Password");
    chkBoxPassword.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            chkBoxPasswordActionPerformed(evt);
        }
    });
    jPanel2.add(chkBoxPassword);
    chkBoxPassword.setBounds(210, 390, 160, 24);

    jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/Password.png"))); //
NOI18N
    jPanel2.add(jLabel3);
    jLabel3.setBounds(140, 310, 60, 60);
```

```
        jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/username.png"))); // 
NOI18N
        jPanel2.add(jLabel4);
        jLabel4.setBounds(140, 210, 60, 60);

        jLabel1.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(51, 0, 51));
        jLabel1.setText(" PASSWORD:");
        jPanel2.add(jLabel1);
        jLabel1.setBounds(210, 270, 200, 40);

        jLabel2.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(51, 0, 51));
        jLabel2.setText("  USERNAME:");
        jPanel2.add(jLabel2);
        jLabel2.setBounds(210, 170, 200, 40);

        jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/Daco_2735205.png"))); // 
NOI18N
        jPanel2.add(jLabel5);
        jLabel5.setBounds(230, 20, 160, 140);

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, 563, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, 574, Short.MAX_VALUE)
        );

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

```
    private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void BtnLoginActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
//        String ID=txtID.getText();
        if (jComboBox1.getSelectedItem().equals("Admin")) {
            con.EstablishConnection();
            String UN = txtID.getText();
            String UP = upass.getText();

            Login log = new Login();
            boolean b;
            try {
                b = log.AdminLogin(UN, UP);
                if (b) {
                    JOptionPane.showMessageDialog(null, "Admin Logged In!");

                    dispose();
                    Admin ad = new Admin();
                    ad.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                    ad.adminName = txtID.getText();
                    ad.setVisible(true);

                } else {
                    JOptionPane.showMessageDialog(null, "Log In Denied!");
                }
            } catch (SQLException ex) {
                Logger.getLogger(LoginForm.class.getName()).log(Level.SEVERE, null, ex);
            }

        } else {
```

```
            con.EstablishConnection();
            String id = txtID.getText();
            String UP = upass.getText();

            Login log = new Login();
            boolean b;
            try {
               b = log.EmpLogin(id, UP);
               if (b) {
                  emp.EmpID = txtID.getText();
                  JOptionPane.showMessageDialog(null, "Employee Logged In!");
//                emp.setEmployeeID(ID);
                  emp.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                  dispose();
                  emp.setVisible(true);

               } else {
                  JOptionPane.showMessageDialog(null, "Log In Denied!");

               }
            } catch (SQLException ex) {
               Logger.getLogger(LoginForm.class.getName()).log(Level.SEVERE, null, ex);
            }
         }

      }

      private void chkBoxPasswordActionPerformed(java.awt.event.ActionEvent evt) {
         if (chkBoxPassword.isSelected()) {
            upass.setEchoChar((char) 0);
         } else {
            upass.setEchoChar('*');
         }
      }
```

```
    /**
     * @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(LoginForm.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(LoginForm.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(LoginForm.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(LoginForm.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 LoginForm().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton BtnLogin;
    private javax.swing.JCheckBox chkBoxPassword;
    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.JLabel jLabel5;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JTextField txtID;
    private javax.swing.JPasswordField upass;
    // End of variables declaration
}
```

EmployeDashboard.java:

```
package projectstart;

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

public class EmployeeDashboard extends javax.swing.JFrame {

    String EmpID;
    EditProfile edit = new EditProfile();

    public EmployeeDashboard() {
        initComponents();
```

```
    setResizable(false);
    setLocationRelativeTo(null);
    edit.EmpID = this.EmpID;
}

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

    jButton4 = new javax.swing.JButton();
    jButton6 = new javax.swing.JButton();
    jPanel1 = new javax.swing.JPanel();
    BtnLogOut = new javax.swing.JButton();
    BtnProfile = new javax.swing.JButton();
    BtnAnnouncements = new javax.swing.JButton();
    BtnEdit = new javax.swing.JButton();
    BtnLeave = new javax.swing.JButton();
    BtnSuggest = new javax.swing.JButton();
    BtnContact = new javax.swing.JButton();
    txtCheck = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    lblPassword = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
```

```
jButton4.setText("jButton1");

jButton6.setText("jButton1");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setMinimumSize(new java.awt.Dimension(568, 819));

jPanel1.setBackground(new java.awt.Color(98, 99, 101));

BtnLogOut.setBackground(new java.awt.Color(153, 153, 153));
BtnLogOut.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
BtnLogOut.setForeground(new java.awt.Color(51, 0, 51));
BtnLogOut.setText("Log Out");
BtnLogOut.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnLogOutActionPerformed(evt);
    }
});

BtnProfile.setBackground(new java.awt.Color(153, 153, 153));
BtnProfile.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
BtnProfile.setForeground(new java.awt.Color(51, 0, 51));
BtnProfile.setText("My Profile");
BtnProfile.setMaximumSize(new java.awt.Dimension(71, 23));
BtnProfile.setMinimumSize(new java.awt.Dimension(71, 23));
BtnProfile.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnProfileActionPerformed(evt);
    }
});

BtnAnnouncements.setBackground(new java.awt.Color(153, 153, 153));
BtnAnnouncements.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
BtnAnnouncements.setForeground(new java.awt.Color(51, 0, 51));
```

```
BtnAnnouncements.setText("Announcements");
BtnAnnouncements.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnAnnouncementsActionPerformed(evt);
    }
});

BtnEdit.setBackground(new java.awt.Color(153, 153, 153));
BtnEdit.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
BtnEdit.setForeground(new java.awt.Color(51, 0, 51));
BtnEdit.setText("Edit Personal Details");
BtnEdit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnEditActionPerformed(evt);
    }
});

BtnLeave.setBackground(new java.awt.Color(153, 153, 153));
BtnLeave.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
BtnLeave.setForeground(new java.awt.Color(51, 0, 51));
BtnLeave.setText("Apply for Leave");
BtnLeave.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnLeaveActionPerformed(evt);
    }
});

BtnSuggest.setBackground(new java.awt.Color(153, 153, 153));
BtnSuggest.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
BtnSuggest.setForeground(new java.awt.Color(51, 0, 51));
BtnSuggest.setText("Suggestions and Complaints");
BtnSuggest.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnSuggestActionPerformed(evt);
```

```
        }
    });

    BtnContact.setBackground(new java.awt.Color(153, 153, 153));
    BtnContact.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
    BtnContact.setForeground(new java.awt.Color(51, 0, 51));
    BtnContact.setText("Contact Admin");
    BtnContact.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            BtnContactActionPerformed(evt);
        }
    });

    jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/Employee.png"))); //
NOI18N

    jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/edit.png"))); // NOI18N

    jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/announce.png"))); //
NOI18N
    jLabel4.setText("jLabel4");

    jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/contact.png"))); // NOI18N
    jLabel5.setText("jLabel5");

    jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/suggestions.png"))); //
NOI18N
    jLabel2.setText("jLabel2");

    jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/leave.png"))); // NOI18N
    jLabel6.setText("jLabel6");

    lblPassword.setFont(new java.awt.Font("Dialog", 1, 14)); // NOI18N
    lblPassword.setForeground(new java.awt.Color(51, 0, 51));
    lblPassword.setText("Click Here to Change Your Password If you are a new Employee ");
```

```
        lblPassword.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                lblPasswordMouseClicked(evt);
            }
        });

        jLabel7.setFont(new java.awt.Font("Segoe UI", 1, 22)); // NOI18N
        jLabel7.setForeground(new java.awt.Color(0, 0, 0));
        jLabel7.setText("            EMPLOYEE DASHBOARD");

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(BtnProfile, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(BtnLogOut, javax.swing.GroupLayout.PREFERRED_SIZE, 85,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(37, 37, 37)
                        .addComponent(txtCheck, javax.swing.GroupLayout.PREFERRED_SIZE, 70,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(65, 65, 65)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addGap(52, 52, 52)
                                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAI
LING)
```

```
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                    .addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 59, javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 61, javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGap(18, 18, 18)
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addComponent(BtnEdit, javax.swing.GroupLayout.PREFERRED_SIZE, 211, javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(BtnAnnouncements, javax.swing.GroupLayout.PREFERRED_SIZE, 211, javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 60, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(BtnContact, javax.swing.GroupLayout.PREFERRED_SIZE, 211, javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel1Layout.createSequentialGroup()
                        .addGap(3, 3, 3)
                        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 60, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)
                        .addComponent(BtnSuggest, javax.swing.GroupLayout.PREFERRED_SIZE, 211, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(3, 3, 3)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
                                .addGroup(jPanel1Layout.createSequentialGroup()
                                    .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addGap(18, 18, 18)
                                    .addComponent(BtnLeave, javax.swing.GroupLayout.PREFERRED_SIZE, 211,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 224,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                        .addGap(104, 104, 104))
                    .addComponent(lblPassword, javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                        .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 393,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(28, 28, 28)))))
            .addContainerGap(55, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(BtnProfile, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(BtnLogOut, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 173,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(9, 9, 9)
                .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
            .addComponent(BtnEdit, javax.swing.GroupLayout.PREFERRED_SIZE, 62,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(18, 18, 18)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                    .addComponent(BtnAnnouncements, javax.swing.GroupLayout.PREFERRED_SIZE, 62,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(106, 106, 106)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                    .addComponent(BtnContact, javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel5))))
        .addGap(18, 18, 18)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(BtnSuggest, javax.swing.GroupLayout.PREFERRED_SIZE, 62,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel2))
        .addGap(18, 18, 18)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(BtnLeave, javax.swing.GroupLayout.PREFERRED_SIZE, 63,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(66, 66, 66)
        .addComponent(lblPassword)
        .addGap(97, 97, 97)
        .addComponent(txtCheck, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, 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, 819, Short.MAX_VALUE)
        );

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


    private void BtnProfileActionPerformed(java.awt.event.ActionEvent evt) {
        EmployeeProfile empf = new EmployeeProfile();
        empf.EmpID = this.EmpID;
        empf.displayInfo();
        empf.setVisible(true);
        this.dispose();
    }

    private void BtnSuggestActionPerformed(java.awt.event.ActionEvent evt) {
        Complaints sc = new Complaints();
        sc.empID = this.EmpID;
        sc.setVisible(true);
        this.dispose();
    }

    private void BtnEditActionPerformed(java.awt.event.ActionEvent evt) {
        EditProfile edit = new EditProfile();
        edit.EmpID = this.EmpID;
```

```
    edit.displayInfo();
    edit.setVisible(true);
    this.dispose();
}

private void BtnAnnouncementsActionPerformed(java.awt.event.ActionEvent evt) {
    Announcements ann;
    try {
        ann = new Announcements();
        ann.empID = this.EmpID;
        ann.setVisible(true);
        this.dispose();
    } catch (Exception ex) {
        Logger.getLogger(EmployeeDashboard.class.getName()).log(Level.SEVERE, null, ex);
    }
}

private void BtnContactActionPerformed(java.awt.event.ActionEvent evt) {
    ContactAdmin contact = new ContactAdmin();
    contact.empID = this.EmpID;
    contact.setVisible(true);
    this.dispose();
}

private void BtnLogOutActionPerformed(java.awt.event.ActionEvent evt) {
    LoginForm log = new LoginForm();
    log.setVisible(true);
    this.dispose();
}

private void BtnLeaveActionPerformed(java.awt.event.ActionEvent evt) {
    ApplyForLeave ap = new ApplyForLeave();
    ap.EmpLeaveID = this.EmpID;
    try {
```

```
            ap.displayDetails();
        } catch (Exception ex) {
            Logger.getLogger(EmployeeDashboard.class.getName()).log(Level.SEVERE, null, ex);
        }
        ap.setVisible(true);
        this.dispose();

    }

    private void lblPasswordMouseClicked(java.awt.event.MouseEvent evt) {
        NewPassword np = new NewPassword();
        np.EmpID = this.EmpID;
        np.setVisible(true);
        this.dispose();
    }
```

EmployeeProfile.java:

```
package projectstart;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import backEnd.*;

public class EmployeeProfile extends javax.swing.JFrame {

    /**
     * Creates new form EmployeeProfile
     */
    EmployeeDashboard empD = new EmployeeDashboard();
    String EmpID;

    public EmployeeProfile() {
        initComponents();
        setResizable(false);
```

```
    setLocationRelativeTo(null);
}

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

    jTextField9 = new javax.swing.JTextField();
    jLabel2 = new javax.swing.JLabel();
    jTextField10 = new javax.swing.JTextField();
    jLabel3 = new javax.swing.JLabel();
    jTextField11 = new javax.swing.JTextField();
    BtnDashboard = new javax.swing.JButton();
    jTextField12 = new javax.swing.JTextField();
    jLabel4 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jTextField7 = new javax.swing.JTextField();
    jTextField8 = new javax.swing.JTextField();
    jButton1 = new javax.swing.JButton();
    jTextField13 = new javax.swing.JTextField();
    jLabel1 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    txtPhone = new javax.swing.JTextField();
    jLabel8 = new javax.swing.JLabel();
    txtDesignation = new javax.swing.JTextField();
    jLabel9 = new javax.swing.JLabel();
    txtDepartment = new javax.swing.JTextField();
```

```
BtnDashboard1 = new javax.swing.JButton();
txtQualification = new javax.swing.JTextField();
jLabel10 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
txtEID = new javax.swing.JTextField();
txtName = new javax.swing.JTextField();
txtAge = new javax.swing.JTextField();
jLabel14 = new javax.swing.JLabel();
Salary = new javax.swing.JLabel();
txtSalary = new javax.swing.JTextField();
Salary1 = new javax.swing.JLabel();
txtLeaves = new javax.swing.JTextField();
jLabel15 = new javax.swing.JLabel();
jLabel16 = new javax.swing.JLabel();

jLabel2.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel2.setText("Employee ID");
jLabel2.setMinimumSize(new java.awt.Dimension(50, 50));

jLabel3.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel3.setText("Age");
jLabel3.setMinimumSize(new java.awt.Dimension(50, 50));

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

jLabel4.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel4.setText("Phone");
jLabel4.setMinimumSize(new java.awt.Dimension(50, 50));

jLabel5.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel5.setText("Department");
```

```
jLabel5.setMinimumSize(new java.awt.Dimension(50, 50));

jLabel6.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel6.setText("Qualification");
jLabel6.setMinimumSize(new java.awt.Dimension(50, 50));

jLabel7.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel7.setText("Designation");
jLabel7.setMinimumSize(new java.awt.Dimension(50, 50));

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

jLabel1.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel1.setText("Name");
jLabel1.setMinimumSize(new java.awt.Dimension(50, 50));

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setMinimumSize(new java.awt.Dimension(592, 814));

jPanel1.setBackground(new java.awt.Color(98, 99, 101));
jPanel1.setLayout(null);

txtPhone.setFocusable(false);
txtPhone.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtPhoneActionPerformed(evt);
    }
});
jPanel1.add(txtPhone);
txtPhone.setBounds(330, 420, 160, 35);

jLabel8.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel8.setForeground(new java.awt.Color(51, 0, 51));
```

```
jLabel8.setText("Name");
jLabel8.setMinimumSize(new java.awt.Dimension(50, 50));
jPanel1.add(jLabel8);
jLabel8.setBounds(130, 310, 106, 36);

txtDesignation.setFocusable(false);
txtDesignation.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtDesignationActionPerformed(evt);
    }
});
jPanel1.add(txtDesignation);
txtDesignation.setBounds(330, 580, 160, 35);

jLabel9.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel9.setForeground(new java.awt.Color(51, 0, 51));
jLabel9.setText("Age");
jLabel9.setMinimumSize(new java.awt.Dimension(50, 50));
jPanel1.add(jLabel9);
jLabel9.setBounds(130, 370, 106, 35);

txtDepartment.setFocusable(false);
txtDepartment.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtDepartmentActionPerformed(evt);
    }
});
jPanel1.add(txtDepartment);
txtDepartment.setBounds(330, 480, 160, 35);

BtnDashboard1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
BtnDashboard1.setForeground(new java.awt.Color(51, 0, 51));
BtnDashboard1.setText("Dashboard");
BtnDashboard1.addActionListener(new java.awt.event.ActionListener() {
```

```
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnDashboard1ActionPerformed(evt);
    }
});
jPanel1.add(BtnDashboard1);
BtnDashboard1.setBounds(240, 730, 138, 38);

txtQualification.setFocusable(false);
txtQualification.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtQualificationActionPerformed(evt);
    }
});
jPanel1.add(txtQualification);
txtQualification.setBounds(330, 530, 160, 35);

jLabel10.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel10.setForeground(new java.awt.Color(51, 0, 51));
jLabel10.setText("Phone");
jLabel10.setMinimumSize(new java.awt.Dimension(50, 50));
jPanel1.add(jLabel10);
jLabel10.setBounds(130, 420, 109, 35);

jLabel11.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel11.setForeground(new java.awt.Color(51, 0, 51));
jLabel11.setText("Department");
jLabel11.setMinimumSize(new java.awt.Dimension(50, 50));
jPanel1.add(jLabel11);
jLabel11.setBounds(130, 480, 109, 35);

jLabel12.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel12.setForeground(new java.awt.Color(51, 0, 51));
jLabel12.setText("Qualification");
jLabel12.setMinimumSize(new java.awt.Dimension(50, 50));
```

```
jPanel1.add(jLabel12);
jLabel12.setBounds(130, 530, 109, 33);

jLabel13.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel13.setForeground(new java.awt.Color(51, 0, 51));
jLabel13.setText("Designation");
jLabel13.setMinimumSize(new java.awt.Dimension(50, 50));
jPanel1.add(jLabel13);
jLabel13.setBounds(130, 580, 101, 35);

txtEID.setFocusable(false);
txtEID.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtEIDActionPerformed(evt);
    }
});
jPanel1.add(txtEID);
txtEID.setBounds(330, 260, 160, 35);

txtName.setFocusable(false);
txtName.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtNameActionPerformed(evt);
    }
});
jPanel1.add(txtName);
txtName.setBounds(330, 310, 160, 35);

txtAge.setFocusable(false);
txtAge.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtAgeActionPerformed(evt);
    }
});
```

```
jPanel1.add(txtAge);
txtAge.setBounds(330, 370, 160, 35);

jLabel14.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel14.setForeground(new java.awt.Color(51, 0, 51));
jLabel14.setText("Employee ID");
jLabel14.setMinimumSize(new java.awt.Dimension(50, 50));
jPanel1.add(jLabel14);
jLabel14.setBounds(130, 250, 106, 35);

Salary.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
Salary.setForeground(new java.awt.Color(51, 0, 51));
Salary.setText("Salary");
Salary.setMinimumSize(new java.awt.Dimension(50, 50));
jPanel1.add(Salary);
Salary.setBounds(130, 630, 101, 35);

txtSalary.setFocusable(false);
txtSalary.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      txtSalaryActionPerformed(evt);
   }
});
jPanel1.add(txtSalary);
txtSalary.setBounds(330, 640, 160, 35);

Salary1.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
Salary1.setForeground(new java.awt.Color(51, 0, 51));
Salary1.setText("Available Leaves");
Salary1.setMinimumSize(new java.awt.Dimension(50, 50));
jPanel1.add(Salary1);
Salary1.setBounds(130, 690, 153, 35);

txtLeaves.setFocusable(false);
```

```
        txtLeaves.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtLeavesActionPerformed(evt);
            }
        });
        jPanel1.add(txtLeaves);
        txtLeaves.setBounds(330, 690, 160, 35);

        jLabel15.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/EmpDash.png"))); // 
NOI18N
        jPanel1.add(jLabel15);
        jLabel15.setBounds(243, 6, 139, 179);

        jLabel16.setFont(new java.awt.Font("Segoe UI", 1, 22)); // NOI18N
        jLabel16.setForeground(new java.awt.Color(51, 0, 51));
        jLabel16.setText("     EMPLOYEE DASHBOARD");
        jPanel1.add(jLabel16);
        jLabel16.setBounds(161, 197, 319, 65);

        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, 592, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 795, Short.MAX_VALUE)
        );

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

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

```
}

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

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

private void BtnDashboard1ActionPerformed(java.awt.event.ActionEvent evt) {
    EmployeeDashboard empd = new EmployeeDashboard();
    empd.setVisible(true);
    empd.EmpID = this.EmpID;
    this.dispose();
}

public void displayInfo() {
    EmployeeOperations Op = new EmployeeOperations();
    txtEID.setText(EmpID);
    boolean b;
    int id = Integer.parseInt(txtEID.getText());
    try {
        b = Op.fetchUser(id);
        if (b) {
            txtName.setText(Op.Name);
            txtAge.setText(Op.Age);
            txtPhone.setText(Op.Phone);
            txtDepartment.setText(Op.Dept);
            txtQualification.setText(Op.Qual);
            txtDesignation.setText(Op.Desg);
            txtSalary.setText(Op.Salary.toString());
            txtLeaves.setText(Integer.toString(Op.AvLeaves));
        } else {
```

```
            JOptionPane.showMessageDialog(null, "Error");
        }
    } catch (Exception ex) {
        Logger.getLogger(EditProfile.class.getName()).log(Level.SEVERE, null, ex);
    }
}
```

EditProfile.java:

```
package projectstart;

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

public class EditProfile extends javax.swing.JFrame {

    DBConnection con = new DBConnection();
    Connection con_obj = con.EstablishConnection();
    Statement state = null;
    PreparedStatement PrepState = null;
    ResultSet result = null;
    String EmpID;

    /**
     * Creates new form EditProfile
     */
    public EditProfile() {
        initComponents();
        setResizable(false);
        setLocationRelativeTo(null);
```

```
    con.EstablishConnection();
    txtEID.enable(false);
}

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

    BtnDashboard3 = new javax.swing.JButton();
    buttonGroup1 = new javax.swing.ButtonGroup();
    jPanel1 = new javax.swing.JPanel();
    txtEID = new javax.swing.JTextField();
    txtName = new javax.swing.JTextField();
    txtAge = new javax.swing.JTextField();
    jLabel14 = new javax.swing.JLabel();
    txtPhone = new javax.swing.JTextField();
    jLabel8 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    BtnDashboard = new javax.swing.JButton();
    jLabel10 = new javax.swing.JLabel();
    BtnUpdate = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();

    BtnDashboard3.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
    BtnDashboard3.setText("Display");
    BtnDashboard3.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            BtnDashboard3ActionPerformed(evt);
```

```
    }
});

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(98, 99, 101));

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

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

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

jLabel14.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel14.setForeground(new java.awt.Color(51, 0, 51));
jLabel14.setText("Employee ID");
jLabel14.setMinimumSize(new java.awt.Dimension(50, 50));

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

```
});

jLabel8.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel8.setForeground(new java.awt.Color(51, 0, 51));
jLabel8.setText("Name");
jLabel8.setMinimumSize(new java.awt.Dimension(50, 50));

jLabel9.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel9.setForeground(new java.awt.Color(51, 0, 51));
jLabel9.setText("Age");
jLabel9.setMinimumSize(new java.awt.Dimension(50, 50));

BtnDashboard.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
BtnDashboard.setForeground(new java.awt.Color(51, 0, 51));
BtnDashboard.setText("Dashboard");
BtnDashboard.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      BtnDashboardActionPerformed(evt);
   }
});

jLabel10.setFont(new java.awt.Font("Segoe UI Light", 1, 18)); // NOI18N
jLabel10.setForeground(new java.awt.Color(51, 0, 51));
jLabel10.setText("Phone");
jLabel10.setMinimumSize(new java.awt.Dimension(50, 50));

BtnUpdate.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
BtnUpdate.setForeground(new java.awt.Color(51, 0, 51));
BtnUpdate.setText("Update");
BtnUpdate.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      BtnUpdateActionPerformed(evt);
   }
});
```

```
        jLabel2.setFont(new java.awt.Font("Dialog", 1, 22)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(51, 0, 51));
        jLabel2.setText("          EDIT PROFILE");

        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(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 175,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(231, 231, 231))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(151, 151, 151)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 106,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGap(93, 93, 93)
                                .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, 118,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G, false)
                                .addGroup(jPanel1Layout.createSequentialGroup()
                                    .addComponent(BtnUpdate, javax.swing.GroupLayout.PREFERRED_SIZE, 138,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                    .addComponent(BtnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 138,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                .addGroup(jPanel1Layout.createSequentialGroup()
```

```
                        .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(90, 90, 90)
                        .addComponent(txtPhone, javax.swing.GroupLayout.PREFERRED_SIZE, 118,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TR
AILING, false)
                            .addComponent(jLabel14, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 106,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(93, 93, 93)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
                            .addComponent(txtAge, javax.swing.GroupLayout.PREFERRED_SIZE, 118,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(txtEID, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 118, javax.swing.GroupLayout.PREFERRED_SIZE))))))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(202, 202, 202)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 241,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap(182, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addGap(17, 17, 17)
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 175,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE, 33, Short.MAX_VALUE)
                .addGap(18, 18, 18)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
```

```
                .addComponent(txtEID, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(3, 3, 3))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 3,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(18, 18, 18)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(3, 3, 3)
                .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(12, 12, 12)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(txtAge, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(txtPhone, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(47, 47, 47)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(BtnDashboard)
            .addComponent(BtnUpdate))
        .addGap(57, 57, 57))
    );
```

```
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/Emp.png")));

        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.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
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>

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

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

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

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

```
private void BtnDashboardActionPerformed(java.awt.event.ActionEvent evt) {
    EmployeeDashboard empd = new EmployeeDashboard();
    empd.EmpID = this.EmpID;
    empd.setVisible(true);
    this.dispose();
}

public void displayInfo() {
    EmployeeOperations Op = new EmployeeOperations();
    txtEID.setText(EmpID);
    boolean b;
    int ID = Integer.parseInt(txtEID.getText());
    try {
        b = Op.fetchUser(ID);
        if (b) {
            txtName.setText(Op.Name);
            txtAge.setText(Op.Age);
            txtPhone.setText(Op.Phone);
        } else {
            JOptionPane.showMessageDialog(null, "Error");
        }
    } catch (Exception ex) {
        Logger.getLogger(EditProfile.class.getName()).log(Level.SEVERE, null, ex);
    }
}


private void BtnDashboard3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void BtnUpdateActionPerformed(java.awt.event.ActionEvent evt) {
    EmployeeOperations Op = new EmployeeOperations();
    Employee ep = new Employee();
```

```
        String Name = txtName.getText();
        String Age = txtAge.getText();
        String Phone = txtPhone.getText();
        int ID = Integer.parseInt(txtEID.getText());
        boolean b;
        try {
            b = ep.updateUser(ID, Name, Age, Phone);
            if (b) {
                JOptionPane.showMessageDialog(null, "Record Updated!");
            } else {
                JOptionPane.showMessageDialog(null, "Error.");
            }
        } catch (Exception ex) {
            Logger.getLogger(EditProfile.class.getName()).log(Level.SEVERE, null, ex);
        }

    }
```

Annnouncements.java:

```
package projectstart;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import static javax.swing.UIManager.getString;
import javax.swing.table.DefaultTableModel;
import backEnd.*;

/**
 *
```

```
 * @author lenovo
 */
public class Announcements extends javax.swing.JFrame {

    DBConnection con = new DBConnection();
    Connection con_obj = con.EstablishConnection();
    Statement state = null;
    PreparedStatement PrepState = null;
    ResultSet result = null;
    String empID;

    /**
     * Creates new form Announcements
     */
    public Announcements() throws SQLException, Exception {
        initComponents();
        setResizable(false);
        setLocationRelativeTo(null);
        tblAnnouncement.setRowHeight(20);
        displayTable();
    }

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

        jPopupMenu1 = new javax.swing.JPopupMenu();
        jPanel2 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
```

```
tblAnnouncement = new javax.swing.JTable();
jButton1 = new javax.swing.JButton();
BtnDashboard = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel2.setBackground(new java.awt.Color(98, 99, 101));

tblAnnouncement.setBackground(new java.awt.Color(153, 153, 153));
tblAnnouncement.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
tblAnnouncement.setModel(new javax.swing.table.DefaultTableModel(
   new Object [][] {

   },
   new String [] {
      "Admin Name", "Announcement"
   }
));
jScrollPane1.setViewportView(tblAnnouncement);
if (tblAnnouncement.getColumnModel().getColumnCount() > 0) {
   tblAnnouncement.getColumnModel().getColumn(1).setPreferredWidth(900);
}

jButton1.setText("jButton1");

BtnDashboard.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
BtnDashboard.setForeground(new java.awt.Color(51, 0, 51));
BtnDashboard.setText("Dashboard");
BtnDashboard.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      BtnDashboardActionPerformed(evt);
   }
```

```
        });

        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/announce2.png"))); // NOI18N
        jLabel1.setText("jLabel1");

        jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 26)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(51, 0, 51));
        jLabel2.setText("          ANNOUNCEMENTS");

        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jScrollPane1)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(322, 322, 322)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 387, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(336, Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
                        .addComponent(BtnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 182, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(399, 399, 399))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
                        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 175, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(430, 430, 430))))
        );
        jPanel2Layout.setVerticalGroup(
```

```
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 175,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(26, 26, 26)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 284,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(BtnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(35, 35, 35))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    );

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

  private void BtnDashboardActionPerformed(java.awt.event.ActionEvent evt) {
    EmployeeDashboard empD = new EmployeeDashboard();
```

```
        empD.EmpID = this.empID;
        empD.setVisible(true);
        this.dispose();;
    }

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

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

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

```
java.util.logging.Logger.getLogger(Announcements.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() {
                try {
                    new Announcements().setVisible(true);
                } catch (Exception ex) {
                    Logger.getLogger(Announcements.class.getName()).log(Level.SEVERE, null, ex);

                }
            }
        });
    }

    public void displayTable() throws SQLException, Exception {
        try {
            String sql = "select * from Announcement";
            PrepState = con_obj.prepareStatement(sql);
            result = PrepState.executeQuery();
            DefaultTableModel tm = (DefaultTableModel) tblAnnouncement.getModel();
            tm.setRowCount(0);
            while (result.next()) {
                Object o[] = {result.getString("AdminName"), result.getString("Announcement")};
                tm.addRow(o);
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
    }
```

ContactAdmin.java:

```
package projectstart;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import backEnd.*;

public class ContactAdmin extends javax.swing.JFrame {


    String empID;
    public ContactAdmin() {
        initComponents();
        setResizable(false);
        setLocationRelativeTo(null);
    }

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

        jPanel1 = new javax.swing.JPanel();
        txtName = new javax.swing.JTextField();
        jScrollPane1 = new javax.swing.JScrollPane();
        txtMessage = new javax.swing.JTextArea();
        BtnDashboard = new javax.swing.JButton();
        BtnSubmit = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setBackground(new java.awt.Color(98, 99, 101));
```

```
jPanel1.setBackground(new java.awt.Color(98, 99, 101));

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

BtnDashboard.setText("Dashboard");
BtnDashboard.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      BtnDashboardActionPerformed(evt);
   }
});

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

jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel2.setForeground(new java.awt.Color(51, 0, 51));
jLabel2.setText("Message to Admin");

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel1.setForeground(new java.awt.Color(51, 0, 51));
jLabel1.setText("Name");

jLabel3.setFont(new java.awt.Font("Segoe UI", 1, 22)); // NOI18N
jLabel3.setForeground(new java.awt.Color(51, 0, 51));
jLabel3.setText("            CONTACT ADMIN");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/ContactaAdmin.png"))); //
NOI18N
```

```
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(76, 76, 76)
      .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
         .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addGroup(jPanel1Layout.createSequentialGroup()
               .addComponent(BtnSubmit, javax.swing.GroupLayout.PREFERRED_SIZE, 96,
javax.swing.GroupLayout.PREFERRED_SIZE)
               .addGap(82, 82, 82)
               .addComponent(BtnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 96,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createSequentialGroup()
               .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                  .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                     .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 138,
javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addGap(18, 18, 18))
                  .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                     .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 94,
javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addGap(62, 62, 62)))
               .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                  .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, 223,
javax.swing.GroupLayout.PREFERRED_SIZE)
                  .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))
            .addGroup(jPanel1Layout.createSequentialGroup()
               .addGap(42, 42, 42)
```

```
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 321,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap(123, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 173,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(190, 190, 190))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
            .addGap(26, 26, 26)
            .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE, 179, Short.MAX_VALUE)
            .addGap(18, 18, 18)
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 62,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(42, 42, 42)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(57, 57, 57))
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(78, 78, 78)))
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
                .addComponent(BtnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(BtnSubmit, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(28, 28, 28))
        );

        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.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    private void BtnDashboardActionPerformed(java.awt.event.ActionEvent evt) {
        EmployeeDashboard emp = new EmployeeDashboard();
        emp.setVisible(true);
        this.dispose();

    }

    private void BtnSubmitActionPerformed(java.awt.event.ActionEvent evt) {
        EmployeeOperations Op = new EmployeeOperations();
        String Name = txtName.getText();
        String Message = txtMessage.getText();
```

```
        boolean access;
        try {
            access = Op.adminMessage(Name, Message);
            if (access) {
            JOptionPane.showMessageDialog(null, "Message has been sent to an Admin!");
        } else {
            JOptionPane.showMessageDialog(null, "Error");
        }
        } catch (Exception ex) {
            Logger.getLogger(ContactAdmin.class.getName()).log(Level.SEVERE, null, ex);
        }

    }

    /**
     * @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(ContactAdmin.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
```

```
        } catch (InstantiationException ex) {

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

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

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

Complaints.java:

```
package projectstart;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import backEnd.*;

/**
 *
 * @author fazee
 */
public class Complaints extends javax.swing.JFrame {
```

```
String empID;

public Complaints() {
    initComponents();
    setResizable(false);
    setLocationRelativeTo(null);
}

@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();
    txtDept = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    txtMsg = new javax.swing.JTextArea();
    BtnSubmit = new javax.swing.JButton();
    BtnDashboard = new javax.swing.JButton();
    selectType = new javax.swing.JComboBox<>();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(98, 99, 101));

    jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(51, 0, 51));
    jLabel1.setText("Department");

    jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
```

```
        jLabel2.setForeground(new java.awt.Color(51, 0, 51));
        jLabel2.setText("Message to Admin");

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

        BtnSubmit.setForeground(new java.awt.Color(51, 0, 51));
        BtnSubmit.setText("Submit");
        BtnSubmit.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                BtnSubmitActionPerformed(evt);
            }
        });

        BtnDashboard.setForeground(new java.awt.Color(51, 0, 51));
        BtnDashboard.setText("Dashboard");
        BtnDashboard.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                BtnDashboardActionPerformed(evt);
            }
        });

        selectType.setForeground(new java.awt.Color(51, 0, 51));
        selectType.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Suggestion",
"Complaint" }));

        jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/Complaints.png"))); //
NOI18N

        jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 22)); // NOI18N
        jLabel4.setForeground(new java.awt.Color(51, 0, 51));
        jLabel4.setText("          COMPLAINTS");

        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(250, 250, 250)
                        .addComponent(selectType, javax.swing.GroupLayout.PREFERRED_SIZE, 172,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(95, 95, 95)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING
)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 94,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGap(18, 18, 18)
                                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)
                                    .addComponent(txtDept, javax.swing.GroupLayout.PREFERRED_SIZE, 249,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                                        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 175,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                        .addGap(63, 63, 63))))
                            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 280,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addComponent(BtnSubmit, javax.swing.GroupLayout.PREFERRED_SIZE, 96,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGap(49, 49, 49)
                                .addComponent(BtnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 96,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 241,
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(49, 49, 49)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 140,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(112, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addGap(45, 45, 45)
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 175,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE, 38, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtDept, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
                .addComponent(selectType, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(18, 18, 18)
                        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(52, 52, 52)
                        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(42, 42, 42)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(BtnSubmit, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
                .addComponent(BtnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(49, 49, 49))
        );

        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.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    private void BtnSubmitActionPerformed(java.awt.event.ActionEvent evt) {
        EmployeeOperations Op = new EmployeeOperations();
        if (selectType.getSelectedItem().equals("Suggestion")) {
            String Dept = txtDept.getText();
            String Message = txtMsg.getText();
            boolean access;
            try {
                access = Op.Suggestion(Dept, Message);
                if (access) {
                    JOptionPane.showMessageDialog(null, "Suggestion Submitted!");
                } else {
                    JOptionPane.showMessageDialog(null, "Error");
                }
```

```
        } catch (Exception ex) {
            Logger.getLogger(Complaints.class.getName()).log(Level.SEVERE, null, ex);
        }

    } else {

        String Dept = txtDept.getText();
        String Message = txtMsg.getText();
        boolean access;
        try {
            access = Op.Complaint(Dept, Message);
            if (access) {
                JOptionPane.showMessageDialog(null, "Complaint Submitted!");
            } else {
                JOptionPane.showMessageDialog(null, "Error");
            }
        } catch (Exception ex) {
            Logger.getLogger(Complaints.class.getName()).log(Level.SEVERE, null, ex);
        }
    }

}

private void BtnDashboardActionPerformed(java.awt.event.ActionEvent evt) {
    EmployeeDashboard emp = new EmployeeDashboard();
    emp.EmpID = this.empID;
    emp.setVisible(true);
    this.dispose();

}

/**
 * @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(Complaints.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Complaints.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Complaints.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Complaints.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        }
        //</editor-fold>
        //</editor-fold>

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

```
        });
    }
```

NewPassword.java

```
package projectstart;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import backEnd.*;

public class NewPassword extends javax.swing.JFrame {

    String EmpID;

    public NewPassword() {
        initComponents();
        setResizable(false);
        setLocationRelativeTo(null);
    }

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

        jButton2 = new javax.swing.JButton();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        txtOPass = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        btnPassword = new javax.swing.JButton();
        txtPass = new javax.swing.JPasswordField();
```

```
txtNewPass = new javax.swing.JPasswordField();
chkBoxPassword = new javax.swing.JCheckBox();

jButton2.setText("Home");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(98, 99, 101));

jLabel1.setFont(new java.awt.Font("Dialog", 1, 22)); // NOI18N
jLabel1.setForeground(new java.awt.Color(51, 0, 51));
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("Password Change");

jLabel3.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(51, 0, 51));
jLabel3.setText("Enter Your Old Password");

jLabel2.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
jLabel2.setForeground(new java.awt.Color(51, 0, 51));
jLabel2.setText("Enter Your New Password");

jButton1.setText("Log Out");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

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

```
});

btnPassword.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
btnPassword.setForeground(new java.awt.Color(51, 0, 51));
btnPassword.setText("Update Password");
btnPassword.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnPasswordActionPerformed(evt);
    }
});

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

chkBoxPassword.setText("Show Password");
chkBoxPassword.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        chkBoxPasswordActionPerformed(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()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(156, 156, 156)
```

```
                    .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(88, 88, 88)
                            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 250,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(24, 24, 24))
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                            .addContainerGap()
                            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 266,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)))
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING, false)
                        .addComponent(txtPass, javax.swing.GroupLayout.DEFAULT_SIZE, 233,
Short.MAX_VALUE)
                        .addComponent(txtNewPass)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(19, 19, 19)
                            .addComponent(chkBoxPassword, javax.swing.GroupLayout.PREFERRED_SIZE,
173, javax.swing.GroupLayout.PREFERRED_SIZE)))))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(txtOPass, javax.swing.GroupLayout.PREFERRED_SIZE, 173,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 103,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 103,
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
            .addContainerGap())
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(281, 281, 281)
            .addComponent(btnPassword, javax.swing.GroupLayout.PREFERRED_SIZE, 237,
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()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .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))
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(182, 182, 182)
                    .addComponent(txtOPass, javax.swing.GroupLayout.PREFERRED_SIZE, 0,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(0, 0, Short.MAX_VALUE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(50, 50, 50)
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(41, 41, 41)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                        .addComponent(txtPass, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE, 72,
Short.MAX_VALUE))
                    .addGap(32, 32, 32)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
```

```
                    .addComponent(txtNewPass, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE))))
            .addGap(29, 29, 29)
            .addComponent(chkBoxPassword, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(btnPassword, javax.swing.GroupLayout.PREFERRED_SIZE, 62,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(63, 63, 63))
        );

        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)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    private void btnPasswordActionPerformed(java.awt.event.ActionEvent evt) {
        EmployeeOperations Op = new EmployeeOperations();
        String Pass = "";
        boolean b;
        try {
            b = Op.passwordFetch(EmpID);
```

```
            if (b) {
                Pass = Op.Password;
            } else {
                JOptionPane.showMessageDialog(null, "Error");
            }
        } catch (Exception ex) {
            Logger.getLogger(EditProfile.class.getName()).log(Level.SEVERE, null, ex);
        }

        if (txtPass.getText().equals(Pass)) {
            boolean b2;
            String newPass = txtNewPass.getText();
            try {
                if (Pass.equals(newPass)) {
                    JOptionPane.showMessageDialog(null, "It is the same password. Enter new one.");
                } else {
                    b2 = Op.passwordUpdate(EmpID, newPass);
                    if (b2) {
                        JOptionPane.showMessageDialog(null, "Password Updated!");
                    } else {
                        JOptionPane.showMessageDialog(null, "Error.");
                    }
                }
            } catch (Exception ex) {
                Logger.getLogger(EditProfile.class.getName()).log(Level.SEVERE, null, ex);
            }

        } else {
            JOptionPane.showMessageDialog(null, "Old Password is Incorect. Please Try Again.");
        }
    }


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

```
        EmployeeDashboard empd = new EmployeeDashboard();
        empd.EmpID = this.EmpID;
        empd.setVisible(true);
        this.dispose();
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        LoginForm lg = new LoginForm();
        lg.setVisible(true);
        this.dispose();
    }

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

    }

    private void chkBoxPasswordActionPerformed(java.awt.event.ActionEvent evt) {
        if (chkBoxPassword.isSelected()) {
            txtPass.setEchoChar((char) 0);
            txtNewPass.setEchoChar((char) 0);
        } else {
            txtPass.setEchoChar('*');
            txtNewPass.setEchoChar('*');
        }
    }

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

Admin.java

```
package projectstart;

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

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

    String adminName;

    public Admin() {
        initComponents();
        setResizable(false);
        setLocationRelativeTo(null);
    }

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

        jPanel1 = new javax.swing.JPanel();
        BtnAdd = new javax.swing.JButton();
        BtnAnnouncements = new javax.swing.JButton();
        BtnContact = new javax.swing.JButton();
        BtnLeave = new javax.swing.JButton();
        BtnSuggest = new javax.swing.JButton();
        BtnLogOut = new javax.swing.JButton();
        BtnSuggest1 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
```

```
jLabel8 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(98, 99, 101));
jPanel1.setLayout(null);

BtnAdd.setBackground(new java.awt.Color(153, 153, 153));
BtnAdd.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
BtnAdd.setForeground(new java.awt.Color(51, 0, 51));
BtnAdd.setText("Add Employee");
BtnAdd.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnAddActionPerformed(evt);
    }
});
jPanel1.add(BtnAdd);
BtnAdd.setBounds(275, 264, 248, 54);

BtnAnnouncements.setBackground(new java.awt.Color(153, 153, 153));
BtnAnnouncements.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
BtnAnnouncements.setForeground(new java.awt.Color(51, 0, 51));
BtnAnnouncements.setText("Check Leave Applications");
BtnAnnouncements.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnAnnouncementsActionPerformed(evt);
    }
});
jPanel1.add(BtnAnnouncements);
BtnAnnouncements.setBounds(275, 601, 249, 54);

BtnContact.setBackground(new java.awt.Color(153, 153, 153));
BtnContact.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
```

```
BtnContact.setForeground(new java.awt.Color(51, 0, 51));
BtnContact.setText("Make Announcement");
BtnContact.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      BtnContactActionPerformed(evt);
   }
});
jPanel1.add(BtnContact);
BtnContact.setBounds(275, 465, 249, 53);

BtnLeave.setBackground(new java.awt.Color(153, 153, 153));
BtnLeave.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
BtnLeave.setForeground(new java.awt.Color(51, 0, 51));
BtnLeave.setText("Edit or Promote Employee");
BtnLeave.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      BtnLeaveActionPerformed(evt);
   }
});
jPanel1.add(BtnLeave);
BtnLeave.setBounds(275, 535, 249, 54);

BtnSuggest.setBackground(new java.awt.Color(153, 153, 153));
BtnSuggest.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
BtnSuggest.setForeground(new java.awt.Color(51, 0, 51));
BtnSuggest.setText("Check Suggestions & Complaints");
BtnSuggest.setMaximumSize(new java.awt.Dimension(163, 33));
BtnSuggest.setMinimumSize(new java.awt.Dimension(163, 33));
BtnSuggest.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      BtnSuggestActionPerformed(evt);
   }
});
jPanel1.add(BtnSuggest);
```

```
BtnSuggest.setBounds(275, 393, 249, 53);

BtnLogOut.setBackground(new java.awt.Color(153, 153, 153));
BtnLogOut.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
BtnLogOut.setForeground(new java.awt.Color(51, 0, 51));
BtnLogOut.setText("Log Out");
BtnLogOut.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnLogOutActionPerformed(evt);
    }
});
jPanel1.add(BtnLogOut);
BtnLogOut.setBounds(638, 0, 99, 48);

BtnSuggest1.setBackground(new java.awt.Color(153, 153, 153));
BtnSuggest1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
BtnSuggest1.setForeground(new java.awt.Color(51, 0, 51));
BtnSuggest1.setText("View or Remove Employee");
BtnSuggest1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnSuggest1ActionPerformed(evt);
    }
});
jPanel1.add(BtnSuggest1);
BtnSuggest1.setBounds(275, 324, 248, 54);

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/Admin.png"))); // NOI18N
jPanel1.add(jLabel1);
jLabel1.setBounds(275, 6, 232, 207);

jLabel2.setFont(new java.awt.Font("Dialog", 1, 22)); // NOI18N
jLabel2.setForeground(new java.awt.Color(51, 0, 51));
jLabel2.setText("           ADMIN DASHBOARD");
jPanel1.add(jLabel2);
```

```
        jLabel2.setBounds(178, 219, 348, 43);

        jButton1.setFont(new java.awt.Font("Dialog", 1, 14)); // NOI18N
        jButton1.setForeground(new java.awt.Color(51, 0, 51));
        jButton1.setText("Check Messages");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });
        jPanel1.add(jButton1);
        jButton1.setBounds(275, 670, 249, 53);

        jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/edit.png"))); // NOI18N
        jPanel1.add(jLabel3);
        jLabel3.setBounds(210, 320, 59, 60);

        jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/announce.png"))); //
NOI18N
        jLabel4.setText("jLabel4");
        jPanel1.add(jLabel4);
        jLabel4.setBounds(200, 460, 61, 61);

        jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/contact.png"))); // NOI18N
        jLabel5.setText("jLabel5");
        jPanel1.add(jLabel5);
        jLabel5.setBounds(210, 670, 60, 60);

        jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/suggestions.png"))); //
NOI18N
        jLabel6.setText("jLabel2");
        jPanel1.add(jLabel6);
        jLabel6.setBounds(200, 390, 60, 60);

        jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/leave.png"))); // NOI18N
```

```
        jLabel7.setText("jLabel6");
        jPanel1.add(jLabel7);
        jLabel7.setBounds(210, 600, 60, 61);

        jLabel8.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/edit.png"))); // NOI18N
        jPanel1.add(jLabel8);
        jLabel8.setBounds(210, 260, 59, 60);

        jLabel9.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/edit.png"))); // NOI18N
        jPanel1.add(jLabel9);
        jLabel9.setBounds(210, 530, 59, 60);

        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.DEFAULT_SIZE, 739, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 785, Short.MAX_VALUE)
        );

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

    private void BtnAnnouncementsActionPerformed(java.awt.event.ActionEvent evt) {
        LeaveApp la=new LeaveApp();
        la.setVisible(true);
        la.displayLeaveRequests();
        this.dispose();
    }

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

```
    AddAnnouncement ann=new AddAnnouncement();
    ann.adminName=this.adminName;
    ann.displayName();
    ann.setVisible(true);
    this.dispose();
}

private void BtnLeaveActionPerformed(java.awt.event.ActionEvent evt) {
   EditEmployee ed=new EditEmployee();
   ed.setVisible(true);
   this.dispose();
}

private void BtnSuggestActionPerformed(java.awt.event.ActionEvent evt) {
    SuggestionsComplaints sc=new SuggestionsComplaints();
    sc.setVisible(true);
    this.dispose();
}

private void BtnAddActionPerformed(java.awt.event.ActionEvent evt) {
    AddEmployee ad=new AddEmployee();
    ad.setVisible(true);
    this.dispose();
}

private void BtnLogOutActionPerformed(java.awt.event.ActionEvent evt) {
    LoginForm log = new LoginForm();
    log.setVisible(true);
    this.dispose();
}

private void BtnSuggest1ActionPerformed(java.awt.event.ActionEvent evt) {
   ViewDelEmployee vd=new ViewDelEmployee();
   vd.setVisible(true);
```

```
    this.dispose();
  }

  private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Messages msg = new Messages();
    try {
      msg.displayTable();
    } catch (Exception ex) {
      Logger.getLogger(Admin.class.getName()).log(Level.SEVERE, null, ex);
    }
    msg.setVisible(true);
    this.dispose();

  }
```

AddEmployee:

```
package projectstart;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import backEnd.*;

public class AddEmployee extends javax.swing.JFrame {

  public AddEmployee() {
    initComponents();
    setResizable(false);
    setLocationRelativeTo(null);
  }

  /**
   * This method is called from within the constructor to initialize the form.
   * WARNING: Do NOT modify this code. The content of this method is always
```

```
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel8 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    BtnDashboard = new javax.swing.JButton();
    txtQualification = new javax.swing.JTextField();
    jLabel10 = new javax.swing.JLabel();
    BtnAdd = new javax.swing.JButton();
    jLabel11 = new javax.swing.JLabel();
    jLabel12 = new javax.swing.JLabel();
    jLabel13 = new javax.swing.JLabel();
    txtName = new javax.swing.JTextField();
    txtAge = new javax.swing.JTextField();
    txtPhone = new javax.swing.JTextField();
    ComboDept = new javax.swing.JComboBox();
    ComboDesg = new javax.swing.JComboBox();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(98, 99, 101));

    jLabel8.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
    jLabel8.setForeground(new java.awt.Color(51, 0, 51));
    jLabel8.setText("Name");
    jLabel8.setMinimumSize(new java.awt.Dimension(50, 50));

    jLabel9.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
```

```
jLabel9.setForeground(new java.awt.Color(51, 0, 51));
jLabel9.setText("Age");
jLabel9.setMinimumSize(new java.awt.Dimension(50, 50));

BtnDashboard.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
BtnDashboard.setForeground(new java.awt.Color(51, 0, 51));
BtnDashboard.setText("Dashboard");
BtnDashboard.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnDashboardActionPerformed(evt);
    }
});

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

jLabel10.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel10.setForeground(new java.awt.Color(51, 0, 51));
jLabel10.setText("Phone");
jLabel10.setMinimumSize(new java.awt.Dimension(50, 50));

BtnAdd.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
BtnAdd.setForeground(new java.awt.Color(51, 0, 51));
BtnAdd.setText("Add Employee");
BtnAdd.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BtnAddActionPerformed(evt);
    }
});

jLabel11.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
```

```
jLabel11.setForeground(new java.awt.Color(51, 0, 51));
jLabel11.setText("Department");
jLabel11.setMinimumSize(new java.awt.Dimension(50, 50));

jLabel12.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel12.setForeground(new java.awt.Color(51, 0, 51));
jLabel12.setText("Qualification");
jLabel12.setMinimumSize(new java.awt.Dimension(50, 50));

jLabel13.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel13.setForeground(new java.awt.Color(51, 0, 51));
jLabel13.setText("Designation");
jLabel13.setMinimumSize(new java.awt.Dimension(50, 50));

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

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

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

ComboDept.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Finance", "HR",
"Technical", "Marketing" }));
```

```
        ComboDesg.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "CEO", "Manager",
"Staff" }));

        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/AddEmp.png"))); //
NOI18N
        jLabel1.setText("jLabel1");

        jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 22)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(0, 0, 0));
        jLabel2.setText("                ADD EMPLOYEE");

        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(222, 222, 222)
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 198,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(144, 144, 144)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 348,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addGap(19, 19, 19)
                                .addComponent(BtnAdd, javax.swing.GroupLayout.PREFERRED_SIZE, 164,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
```

```
                    .addComponent(BtnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(22, 22, 22))
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TR
AILING, false)
                            .addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 106,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, 159,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAI
LING)
                        .addComponent(txtPhone, javax.swing.GroupLayout.PREFERRED_SIZE, 159,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TR
AILING, false)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addComponent(ComboDesg, javax.swing.GroupLayout.PREFERRED_SIZE, 159,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 90,
Short.MAX_VALUE)
                                .addComponent(txtQualification, javax.swing.GroupLayout.PREFERRED_SIZE,
159, javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel1Layout.createSequentialGroup()
```

```
                                .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addComponent(ComboDept, javax.swing.GroupLayout.PREFERRED_SIZE, 159,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                            .addComponent(txtAge, javax.swing.GroupLayout.PREFERRED_SIZE, 159,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 174,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGap(288, 288, 288))))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(20, 20, 20)
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 198,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(14, 14, 14)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtAge, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 14,
Short.MAX_VALUE)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
                .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtPhone, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(ComboDept, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 39, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel11, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 35, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txtQualification, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(ComboDesg, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(BtnAdd)
                .addComponent(BtnDashboard))
            .addGap(32, 32, 32))
        );

        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, 637,
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 BtnDashboardActionPerformed(java.awt.event.ActionEvent evt) {
        Admin ad = new Admin();
        ad.setVisible(true);
        this.dispose();
    }

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

    private void BtnAddActionPerformed(java.awt.event.ActionEvent evt) {
        DepartmentDec dc = new DepartmentDec();
        Employee emp=new Employee();
        emp.Name = txtName.getText();
        emp.Age = txtAge.getText();
        emp.Phone = txtPhone.getText();
        emp.Qual = txtQualification.getText();
        emp.Salary = null;
        emp.Desg = null;
        emp.Dept = null;
        emp.AvLeaves=0;
        Double sal;
        if (ComboDept.getSelectedItem().equals("HR")) {
            emp.Dept = dc.HR.getDeptName();
        } else if (ComboDept.getSelectedItem() == "Finance") {
            emp.Dept = dc.Finance.getDeptName();
```

```
        } else if (ComboDept.getSelectedItem() == "Technical") {
            emp.Dept = dc.Technical.getDeptName();
        } else if (ComboDept.getSelectedItem() == "Marketing") {
            emp.Dept = dc.Marketing.getDeptName();
        } else {
            JOptionPane.showMessageDialog(null, "Choose a department please!");
        }

        if (ComboDesg.getSelectedItem() == "CEO") {
            emp.Desg = dc.CEO.getDesName();
            sal = dc.CEO.netSalary();
            emp.Salary=sal;
            emp.AvLeaves=dc.CEO.Leaves();
        } else if (ComboDesg.getSelectedItem() == "Manager") {
            emp.Desg = dc.Manager.getDesName();
            sal = dc.Manager.netSalary();
            emp.AvLeaves=dc.Manager.Leaves();
            emp.Salary=sal;
        } else if (ComboDesg.getSelectedItem() == "Staff") {
            emp.Desg = dc.Staff.getDesName();
            sal = dc.Staff.netSalary();
            emp.Salary=sal;
            emp.AvLeaves=dc.Staff.Leaves();
        } else {
            JOptionPane.showMessageDialog(null, "Choose a Designation please!");
        }
        boolean b;
        try {
            b = emp.addEmp(emp.Name, emp.Age, emp.Phone, emp.Dept, emp.Qual, emp.Desg,
emp.Salary.toString(), emp.AvLeaves);
            if (b) {
                JOptionPane.showMessageDialog(null, "Record Inserted!");
            } else {
                JOptionPane.showMessageDialog(null, "Error.");
            }
```

```
        } catch (Exception ex) {
            Logger.getLogger(EditProfile.class.getName()).log(Level.SEVERE, null, ex);

        }
    }
```

ViewDelEmployee:

```
package projectstart;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import backEnd.*;

public class ViewDelEmployee extends javax.swing.JFrame {

    String EmpID;
    DBConnection con = new DBConnection();
    Connection con_obj = con.EstablishConnection();
    Statement state = null;
    PreparedStatement PrepState = null;
    ResultSet result = null;

    public ViewDelEmployee() {
        initComponents();
        setResizable(false);
        setLocationRelativeTo(null);
        tblEmployee.setRowHeight(20);
    }
```

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

        jPanel1 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        tblEmployee = new javax.swing.JTable();
        btnSearch = new javax.swing.JButton();
        btnDelete = new javax.swing.JButton();
        txtID = new javax.swing.JTextField();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(98, 99, 101));

        tblEmployee.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {

            },
            new String [] {
                "Employee ID", "Name", "Age", "Phone", "Department", "Qualification", "Designation", "Salary",
"Available Leaves"
            }
        ));
        jScrollPane1.setViewportView(tblEmployee);

        btnSearch.setFont(new java.awt.Font("Dialog", 1, 16)); // NOI18N
```

```
btnSearch.setForeground(new java.awt.Color(51, 0, 51));
btnSearch.setText("Search Employee");
btnSearch.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnSearchActionPerformed(evt);
    }
});

btnDelete.setFont(new java.awt.Font("Dialog", 1, 16)); // NOI18N
btnDelete.setForeground(new java.awt.Color(51, 0, 51));
btnDelete.setText("Delete Employee");
btnDelete.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnDeleteActionPerformed(evt);
    }
});

jLabel1.setFont(new java.awt.Font("Dialog", 1, 14)); // NOI18N
jLabel1.setForeground(new java.awt.Color(51, 0, 51));
jLabel1.setText("Employee ID");

jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 22)); // NOI18N
jLabel2.setForeground(new java.awt.Color(51, 0, 51));
jLabel2.setText("                VIEW / DELETE EMPLOYEE ");

jButton1.setFont(new java.awt.Font("Dialog", 1, 16)); // NOI18N
jButton1.setForeground(new java.awt.Color(51, 0, 51));
jButton1.setText("DASHBOARD");
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(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                        .addContainerGap()
                        .addComponent(jScrollPane1))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(334, 334, 334)
                        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 99,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)
                        .addComponent(txtID, javax.swing.GroupLayout.PREFERRED_SIZE, 212,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(0, 398, Short.MAX_VALUE)))
                .addContainerGap())
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addGap(0, 0, Short.MAX_VALUE)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 469,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(297, 297, 297))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(245, 245, 245)
                .addComponent(btnSearch, javax.swing.GroupLayout.PREFERRED_SIZE, 169,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(btnDelete, javax.swing.GroupLayout.PREFERRED_SIZE, 169,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 207,
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(23, 23, 23)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 65,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 326,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(36, 36, 36)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 28,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtID, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(btnSearch, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(btnDelete, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(51, 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.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

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

    private void btnSearchActionPerformed(java.awt.event.ActionEvent evt) {
        try {
            EmpID = txtID.getText();
            if (EmpID == " ") {
                JOptionPane.showMessageDialog(null, "Please enter Employee ID");
            }
            String sql = "select * from EmployeeDetails where EmployeeID='" + EmpID + "'";
            PrepState = con_obj.prepareStatement(sql);
            result = PrepState.executeQuery();
            DefaultTableModel tm = (DefaultTableModel) tblEmployee.getModel();
            tm.setRowCount(0);
            while (result.next()) {
                Object o[] = {result.getString("EmployeeID"), result.getString("EName"), result.getString("Age"),
result.getString("Phone"), result.getString("Department"), result.getString("Qualification"),
result.getString("Designation"), result.getString("Salary"), result.getString("AvailableLeaves")};
                tm.addRow(o);
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
    }

    private void btnDeleteActionPerformed(java.awt.event.ActionEvent evt) {
        AdminOperations Op = new AdminOperations();
        boolean access = Op.deleteEmployee(EmpID);
        if (access) {
```

```
            JOptionPane.showMessageDialog(null, "Deleted");
        } else {
            JOptionPane.showMessageDialog(null, "Error");
        }
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Admin ad = new Admin();
        ad.setVisible(true);
        this.dispose();
    }

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

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

SuggestionComplaints.java:

```
package projectstart;

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

public class SuggestionsComplaints extends javax.swing.JFrame {

    DBConnection con = new DBConnection();
```

```
Connection con_obj = con.EstablishConnection();
Statement state = null;
PreparedStatement PrepState = null;
ResultSet result = null;
AdminOperations Op = new AdminOperations();

public SuggestionsComplaints() {
    initComponents();
    setResizable(false);
    setLocationRelativeTo(null);
    tblSuggestions.setRowHeight(20);
    tblComplaints.setRowHeight(20);
    dispComplaint();
    dispSuggestion();
}

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

    jTextField2 = new javax.swing.JTextField();
    jButton2 = new javax.swing.JButton();
    jPanel1 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    tblComplaints = new javax.swing.JTable();
    jScrollPane2 = new javax.swing.JScrollPane();
    tblSuggestions = new javax.swing.JTable();
    jTextField3 = new javax.swing.JTextField();
    jTextField4 = new javax.swing.JTextField();
    btnResolve = new javax.swing.JButton();
    btnDashboard = new javax.swing.JButton();
    btnDelete1 = new javax.swing.JButton();

    jTextField2.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
```

```
jTextField2.setHorizontalAlignment(javax.swing.JTextField.CENTER);
jTextField2.setText("SUGGESTIONS");

jButton2.setText("Delete ");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(98, 99, 101));

tblComplaints.setFont(new java.awt.Font("Dialog", 1, 14)); // NOI18N
tblComplaints.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

    },
    new String [] {
        "Complaint ID", "Department", "Complaint", "Status"
    }
));
jScrollPane1.setViewportView(tblComplaints);
if (tblComplaints.getColumnModel().getColumnCount() > 0) {
    tblComplaints.getColumnModel().getColumn(2).setPreferredWidth(500);
}

tblSuggestions.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

    },
    new String [] {
        "Suggestion ID", "Department", "Suggestion"
    }
));
jScrollPane2.setViewportView(tblSuggestions);
if (tblSuggestions.getColumnModel().getColumnCount() > 0) {
    tblSuggestions.getColumnModel().getColumn(2).setPreferredWidth(500);
```

```
}

jTextField3.setEditable(false);
jTextField3.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
jTextField3.setHorizontalAlignment(javax.swing.JTextField.CENTER);
jTextField3.setText("COMPLAINTS");

jTextField4.setEditable(false);
jTextField4.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
jTextField4.setHorizontalAlignment(javax.swing.JTextField.CENTER);
jTextField4.setText("SUGGESTIONS");

btnResolve.setText("Mark as Resolved");
btnResolve.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      btnResolveActionPerformed(evt);
   }
});

btnDashboard.setText("Dashboard");
btnDashboard.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      btnDashboardActionPerformed(evt);
   }
});

btnDelete1.setText("Delete Suggestion");
btnDelete1.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      btnDelete1ActionPerformed(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()
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addGap(203, 203, 203)
                                .addComponent(btnResolve, javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGap(222, 222, 222)
                                .addComponent(btnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addGap(368, 368, 368)
                                .addComponent(btnDelete1, javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addGap(0, 230, Short.MAX_VALUE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addContainerGap()
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jScrollPane2)
                            .addComponent(jTextField3)
                            .addComponent(jTextField4)
                            .addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING))))
                .addContainerGap())
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addGap(21, 21, 21)
                .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE, 57,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(27, 27, 27)
```

```
            .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 138,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
               .addGroup(jPanel1Layout.createSequentialGroup()
                  .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                  .addComponent(btnDelete1, javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)
                  .addGap(12, 12, 12)
                  .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE, 57,
javax.swing.GroupLayout.PREFERRED_SIZE)
                  .addGap(18, 18, 18)
                  .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 133,
javax.swing.GroupLayout.PREFERRED_SIZE)
                  .addContainerGap(112, Short.MAX_VALUE))
               .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                  .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 312,
Short.MAX_VALUE)
                  .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)
                     .addComponent(btnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(btnResolve, javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE))
                  .addGap(32, 32, 32))))
      );

      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.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
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>

    private void btnDashboardActionPerformed(java.awt.event.ActionEvent evt) {
        Admin ad = new Admin();
        ad.setVisible(true);
        this.dispose();
    }

    private void btnDelete1ActionPerformed(java.awt.event.ActionEvent evt) {
        int row = tblSuggestions.getSelectedRow();
        String strID = tblSuggestions.getModel().getValueAt(row, 0).toString();
        boolean access = Op.deleteSuggestion(strID);
        if (access) {
            JOptionPane.showMessageDialog(null, "Deleted");
        } else {
            JOptionPane.showMessageDialog(null, "Error");
        }
    }

    private void btnResolveActionPerformed(java.awt.event.ActionEvent evt) {
        int row = tblComplaints.getSelectedRow();
        String strID = tblSuggestions.getModel().getValueAt(row, 0).toString();
        String Dept = tblSuggestions.getModel().getValueAt(row, 1).toString();
        String Comp = tblSuggestions.getModel().getValueAt(row, 2).toString();
        String Status = "RESOLVED";
        boolean access;
        try {
            access = Op.complaintResolve(strID, Dept, Comp, Status);
            if (access) {
```

```
            JOptionPane.showMessageDialog(null, "Complaint Updated!");
        } else {
            JOptionPane.showMessageDialog(null, "Error");
        }
    } catch (Exception ex) {
        Logger.getLogger(Complaints.class.getName()).log(Level.SEVERE, null, ex);
    }
}

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(SuggestionsComplaints.class.getName()).log(java.util.logging.Level.SEVE
RE, null, ex);
    } catch (InstantiationException ex) {

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

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

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

    public void dispComplaint() {
        try {
            String Status = "PENDING";
            String sql = "select * from Complaints where Status='" + Status + "'  ";
            PrepState = con_obj.prepareStatement(sql);
            result = PrepState.executeQuery();
            DefaultTableModel tm = (DefaultTableModel) tblComplaints.getModel();
            tm.setRowCount(0);
            while (result.next()) {
                Object o[] = {result.getString("ComplaintID"), result.getString("Dept"), result.getString("Complaint"), result.getString("Status")};
                tm.addRow(o);
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
    }

    public void dispSuggestion() {
        try {
            String sql = "select * from Suggestions";
```

```
            PrepState = con_obj.prepareStatement(sql);
            result = PrepState.executeQuery();
            DefaultTableModel tm = (DefaultTableModel) tblSuggestions.getModel();
            tm.setRowCount(0);
            while (result.next()) {
                Object o[] = {result.getString("SuggestionID"), result.getString("Dept"),
result.getString("Suggestion")};
                tm.addRow(o);
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
    }
```

Add Announcements:

```
package projectstart;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import backEnd.*;

/**
 *
 * @author lenovo
 */
public class AddAnnouncement extends javax.swing.JFrame {

    String adminName, empID;

    public AddAnnouncement() {
        initComponents();
        setResizable(false);
        setLocationRelativeTo(null);
        txtName.enable(false);
```

```
}

@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();
    jScrollPane1 = new javax.swing.JScrollPane();
    txtAnnouncement = new javax.swing.JTextArea();
    btnAnnouncement = new javax.swing.JButton();
    btnDashboard = new javax.swing.JButton();
    txtName = new javax.swing.JTextField();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setMinimumSize(new java.awt.Dimension(677, 541));

    jPanel1.setBackground(new java.awt.Color(98, 99, 101));

    jLabel1.setText("Admin Name");

    jLabel2.setText("Announcement");

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

    btnAnnouncement.setText("Submit Announcement");
    btnAnnouncement.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnAnnouncementActionPerformed(evt);
```

```
        }
    });

    btnDashboard.setText("Dashboard");
    btnDashboard.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnDashboardActionPerformed(evt);
        }
    });

    jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/announce2.png"))); // NOI18N

    jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 22)); // NOI18N
    jLabel4.setForeground(new java.awt.Color(0, 0, 0));
    jLabel4.setText("              ANNOUNCEMENTS");

    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(115, 115, 115)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 126, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 231, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel1Layout.createSequentialGroup()
```

```
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, 231,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 61,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addGap(59, 59, 59)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel4, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 371, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                        .addComponent(jLabel3)
                        .addGap(92, 92, 92))))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addGap(52, 52, 52)
                .addComponent(btnAnnouncement)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(btnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 156,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap(132, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(14, 14, 14)
            .addComponent(jLabel3)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE, 49, Short.MAX_VALUE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 46,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(61, 61, 61)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 46,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(42, 42, 42)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(40, 40, 40)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(btnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(btnAnnouncement, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(40, 40, 40))
        );

        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)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        pack();
```

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

private void btnDashboardActionPerformed(java.awt.event.ActionEvent evt) {
    Admin adm = new Admin();
    adm.setVisible(true);
    this.dispose();
}

private void btnAnnouncementActionPerformed(java.awt.event.ActionEvent evt) {
    String Name = txtName.getText();
    String Announcement = txtAnnouncement.getText();
    boolean access = false;
    AdminOperations Op = new AdminOperations();
    try {
        access = Op.addAnnounce(Name, Announcement);
        if (access) {
            JOptionPane.showMessageDialog(null, "Announcement posted!");
        } else {
            JOptionPane.showMessageDialog(null, "Error");
        }
    } catch (Exception ex) {
        Logger.getLogger(ApplyForLeave.class.getName()).log(Level.SEVERE, null, ex);
    }


}
public void displayName() {
    txtName.setText(adminName);
}

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

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

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

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

```
        }
    });
}
```

EditEmployee.java:

```
package projectstart;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import backEnd.*;

public class EditEmployee extends javax.swing.JFrame {

    /**
     * Creates new form EditEmployee
     */
    public EditEmployee() {
        initComponents();
        setResizable(false);
        setLocationRelativeTo(null);
    }

    @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();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
```

```
btnUpdate = new javax.swing.JButton();
btnSearch = new javax.swing.JButton();
txtID = new javax.swing.JTextField();
txtLeave = new javax.swing.JTextField();
txtQual = new javax.swing.JTextField();
txtSal = new javax.swing.JTextField();
ComboDesg = new javax.swing.JComboBox<>();
ComboDept = new javax.swing.JComboBox<>();
jLabel8 = new javax.swing.JLabel();
curDesg = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
curDept = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
curQual = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
curSal = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
curLeave = new javax.swing.JLabel();
empName = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
empAge = new javax.swing.JLabel();
jLabel14 = new javax.swing.JLabel();
empPhone = new javax.swing.JLabel();
btnHome = new javax.swing.JButton();
jLabel15 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setMinimumSize(new java.awt.Dimension(850, 909));

jPanel1.setBackground(new java.awt.Color(98, 99, 101));
jPanel1.setLayout(null);

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel1.setForeground(new java.awt.Color(51, 0, 51));
```

```
jLabel1.setText("Employee Name:");
jPanel1.add(jLabel1);
jLabel1.setBounds(150, 100, 210, 46);

jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel2.setForeground(new java.awt.Color(51, 0, 51));
jLabel2.setText("Enter Employee ID:");
jPanel1.add(jLabel2);
jLabel2.setBounds(150, 50, 140, 46);

jLabel3.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(51, 0, 51));
jLabel3.setText("Edit Department:");
jPanel1.add(jLabel3);
jLabel3.setBounds(150, 280, 210, 46);

jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel4.setForeground(new java.awt.Color(51, 0, 51));
jLabel4.setText("  Edit Designation:");
jPanel1.add(jLabel4);
jLabel4.setBounds(140, 500, 210, 46);

jLabel5.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel5.setForeground(new java.awt.Color(51, 0, 51));
jLabel5.setText("  Current Qualification:");
jPanel1.add(jLabel5);
jLabel5.setBounds(140, 330, 210, 40);

jLabel6.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel6.setForeground(new java.awt.Color(51, 0, 51));
jLabel6.setText("Edit Leaves:");
jPanel1.add(jLabel6);
jLabel6.setBounds(150, 700, 210, 40);
```

```
jLabel7.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel7.setForeground(new java.awt.Color(51, 0, 51));
jLabel7.setText("Edit Salary:");
jPanel1.add(jLabel7);
jLabel7.setBounds(150, 610, 210, 46);

btnUpdate.setForeground(new java.awt.Color(51, 0, 51));
btnUpdate.setText("Update");
btnUpdate.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnUpdateActionPerformed(evt);
    }
});
jPanel1.add(btnUpdate);
btnUpdate.setBounds(483, 774, 142, 49);

btnSearch.setForeground(new java.awt.Color(51, 0, 51));
btnSearch.setText("Search");
btnSearch.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnSearchActionPerformed(evt);
    }
});
jPanel1.add(btnSearch);
btnSearch.setBounds(313, 774, 142, 49);
jPanel1.add(txtID);
txtID.setBounds(360, 50, 256, 42);
jPanel1.add(txtLeave);
txtLeave.setBounds(360, 700, 256, 40);

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

```
        });
        jPanel1.add(txtQual);
        txtQual.setBounds(360, 380, 256, 46);
        jPanel1.add(txtSal);
        txtSal.setBounds(360, 610, 256, 46);

        ComboDesg.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "CEO", "Manager",
"Staff" }));
        jPanel1.add(ComboDesg);
        ComboDesg.setBounds(360, 500, 256, 37);

        ComboDept.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Finance", "HR",
"Technical", "Marketing" }));
        jPanel1.add(ComboDept);
        ComboDept.setBounds(360, 280, 256, 37);

        jLabel8.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
        jLabel8.setForeground(new java.awt.Color(51, 0, 51));
        jLabel8.setText("  Current Designation:");
        jPanel1.add(jLabel8);
        jLabel8.setBounds(140, 450, 200, 39);

        curDesg.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
        jPanel1.add(curDesg);
        curDesg.setBounds(360, 450, 256, 39);

        jLabel10.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
        jLabel10.setForeground(new java.awt.Color(51, 0, 51));
        jLabel10.setText("Current Department:");
        jPanel1.add(jLabel10);
        jLabel10.setBounds(150, 200, 180, 28);

        curDept.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
        jPanel1.add(curDept);
        curDept.setBounds(360, 190, 250, 40);
```

```
jLabel9.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel9.setForeground(new java.awt.Color(51, 0, 51));
jLabel9.setText("    Edit Qualification:");
jPanel1.add(jLabel9);
jLabel9.setBounds(130, 380, 210, 46);

curQual.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jPanel1.add(curQual);
curQual.setBounds(360, 330, 250, 40);

jLabel11.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel11.setForeground(new java.awt.Color(51, 0, 51));
jLabel11.setText("Current Salary:");
jPanel1.add(jLabel11);
jLabel11.setBounds(150, 560, 180, 40);

curSal.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jPanel1.add(curSal);
curSal.setBounds(360, 560, 260, 40);

jLabel13.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel13.setForeground(new java.awt.Color(51, 0, 51));
jLabel13.setText("  Current Leaves:");
jPanel1.add(jLabel13);
jLabel13.setBounds(140, 650, 130, 40);

curLeave.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jPanel1.add(curLeave);
curLeave.setBounds(360, 660, 260, 30);

empName.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jPanel1.add(empName);
empName.setBounds(360, 100, 260, 40);
```

```
jLabel12.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel12.setForeground(new java.awt.Color(51, 0, 51));
jLabel12.setText("Age:");
jPanel1.add(jLabel12);
jLabel12.setBounds(150, 250, 180, 30);

empAge.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jPanel1.add(empAge);
empAge.setBounds(360, 240, 260, 40);

jLabel14.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel14.setForeground(new java.awt.Color(51, 0, 51));
jLabel14.setText("Employee Phone:");
jPanel1.add(jLabel14);
jLabel14.setBounds(150, 150, 170, 40);
jPanel1.add(empPhone);
empPhone.setBounds(360, 140, 250, 50);

btnHome.setForeground(new java.awt.Color(51, 0, 51));
btnHome.setText("HOME");
btnHome.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      btnHomeActionPerformed(evt);
   }
});
jPanel1.add(btnHome);
btnHome.setBounds(750, 0, 150, 50);

jLabel15.setFont(new java.awt.Font("Segoe UI", 1, 22)); // NOI18N
jLabel15.setForeground(new java.awt.Color(51, 0, 51));
jLabel15.setText("                              EDIT EMPLOYEE");
jPanel1.add(jLabel15);
jLabel15.setBounds(150, 10, 570, 40);
```

```
    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, 902, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 850, Short.MAX_VALUE)
    );

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

private void btnUpdateActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    AdminOperations op = new AdminOperations();
    DepartmentDec dc = new DepartmentDec();

    String id = txtID.getText();
    String age = empAge.getText();
    String phone = empPhone.getText();
    String name = empName.getText();
    String qual = txtQual.getText();
    String EditSal = txtSal.getText();
    String leave = txtLeave.getText();
    String Dept = null;
    String Desg = null;

    if (ComboDept.getSelectedItem().equals("HR")) {
        Dept = dc.HR.getDeptName();
    } else if (ComboDept.getSelectedItem() == "Finance") {
        Dept = dc.Finance.getDeptName();
```

```
    } else if (ComboDept.getSelectedItem() == "Technical") {
        Dept = dc.Technical.getDeptName();
    } else if (ComboDept.getSelectedItem() == "Marketing") {
        Dept = dc.Marketing.getDeptName();
    } else {
        JOptionPane.showMessageDialog(null, "Choose a department please!");
    }

    if (ComboDesg.getSelectedItem() == "CEO") {
        Desg = dc.CEO.getDesName();
    } else if (ComboDesg.getSelectedItem() == "Manager") {
        Desg = dc.Manager.getDesName();
    } else if (ComboDesg.getSelectedItem() == "Staff") {
        Desg = dc.Staff.getDesName();
    } else {
        JOptionPane.showMessageDialog(null, "Choose a Designation please!");
    }

    boolean access;
    try {
        access = op.adminEmpUpdate(id, name, age, phone, Dept, qual, Desg, EditSal, leave);
        if (access) {
            JOptionPane.showMessageDialog(null, "Record Updated!");
        } else {
            JOptionPane.showMessageDialog(null, "Error.");
        }
    } catch (Exception ex) {
        Logger.getLogger(EditEmployee.class.getName()).log(Level.SEVERE, null, ex);
    }
}

private void btnSearchActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    EmployeeOperations op = new EmployeeOperations();
```

```
    int id = Integer.parseInt(txtID.getText());
    boolean b;
    try {
        b = op.fetchUser(id);
        if (b) {
            empName.setText(op.Name);
            empAge.setText(op.Age);
            empPhone.setText(op.Phone);
            curDept.setText(op.Dept);
            curQual.setText(op.Qual);
            curDesg.setText(op.Desg);
            curSal.setText(op.Salary.toString());
            curLeave.setText(Integer.toString(op.AvLeaves));
        } else {
            JOptionPane.showMessageDialog(null, "Error");
        }
    } catch (Exception ex) {
        Logger.getLogger(EditEmployee.class.getName()).log(Level.SEVERE, null, ex);
    }
}

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

private void btnHomeActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Admin ad = new Admin();
    ad.setVisible(true);
    this.dispose();
}
```

LeaveApp:

```
package projectstart;
```

```
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import backEnd.*;

/**
 *
 * @author lenovo
 */
public class LeaveApp extends javax.swing.JFrame {

    /**
     * Creates new form LeaveApp
     */
    DBConnection con = new DBConnection();
    Connection con_obj = con.EstablishConnection();
    Statement state = null;
    PreparedStatement PrepState = null;
    ResultSet result = null;

    public LeaveApp() {
        initComponents();
        tblLeaves.setRowHeight(50);
        setResizable(false);
        setLocationRelativeTo(null);
    }

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

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

    jPanel1 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    tblLeaves = new javax.swing.JTable();
    btnAccept = new javax.swing.JButton();
    btnReject = new javax.swing.JButton();
    btnDashboard = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(98, 99, 101));

    tblLeaves.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {

        },
        new String [] {
            "EName", "EID", "Av Leaves", "Reason", "Req Leaves", "Status"
        }
    ) {
        boolean[] canEdit = new boolean [] {
            false, false, false, false, false, false
        };

        public boolean isCellEditable(int rowIndex, int columnIndex) {
            return canEdit [columnIndex];
        }
```

```
});
tblLeaves.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        tblLeavesMouseClicked(evt);
    }
});
jScrollPane1.setViewportView(tblLeaves);
if (tblLeaves.getColumnModel().getColumnCount() > 0) {
    tblLeaves.getColumnModel().getColumn(3).setPreferredWidth(400);
}

btnAccept.setForeground(new java.awt.Color(51, 0, 51));
btnAccept.setText("Accept Request");
btnAccept.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnAcceptActionPerformed(evt);
    }
});

btnReject.setForeground(new java.awt.Color(51, 0, 51));
btnReject.setText("Reject Request");
btnReject.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnRejectActionPerformed(evt);
    }
});

btnDashboard.setForeground(new java.awt.Color(51, 0, 51));
btnDashboard.setText("Dashboard");
btnDashboard.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnDashboardActionPerformed(evt);
    }
});
```

```
        jLabel1.setFont(new java.awt.Font("Dialog", 1, 20)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(51, 0, 51));
        jLabel1.setText("                    LEAVE APPLICATION");

        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()
                        .addContainerGap()
                        .addComponent(jScrollPane1))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(144, 144, 144)
                        .addComponent(btnAccept, javax.swing.GroupLayout.PREFERRED_SIZE, 155,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(52, 52, 52)
                        .addComponent(btnReject, javax.swing.GroupLayout.PREFERRED_SIZE, 157,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(56, 56, 56)
                        .addComponent(btnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 134,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(0, 154, Short.MAX_VALUE)))
                .addContainerGap())
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(175, 175, 175)
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 458,
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(17, 17, 17)
            .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE, 60, Short.MAX_VALUE)
            .addGap(18, 18, 18)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 323,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
               .addComponent(btnAccept, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
               .addComponent(btnReject, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
               .addComponent(btnDashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(43, 43, 43))
      );

      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.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
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>

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

      int row = tblLeaves.getSelectedRow();
```

```
    String Name = tblLeaves.getModel().getValueAt(row, 0).toString();
    String ID = tblLeaves.getModel().getValueAt(row, 1).toString();
    String AvLeaves = tblLeaves.getModel().getValueAt(row, 2).toString();
    String Reason = tblLeaves.getModel().getValueAt(row, 3).toString();
    String ReqLeaves = tblLeaves.getModel().getValueAt(row, 4).toString();
    AdminOperations Op = new AdminOperations();
    try {
        Op.updateLeavesInfo(Name, ID, AvLeaves, Reason, ReqLeaves, "REJECTED");
        JOptionPane.showMessageDialog(null, "Leave Rejected!");
        LeaveApp ap = new LeaveApp();
        ap.displayLeaveRequests();
        ap.setVisible(true);
        this.dispose();
    } catch (Exception ex) {
        Logger.getLogger(LeaveApp.class.getName()).log(Level.SEVERE, null, ex);

    }
}

private void btnAcceptActionPerformed(java.awt.event.ActionEvent evt) {
    int row = tblLeaves.getSelectedRow();
    String Name = tblLeaves.getModel().getValueAt(row, 0).toString();
    String ID = tblLeaves.getModel().getValueAt(row, 1).toString();
    String AvLeaves = tblLeaves.getModel().getValueAt(row, 2).toString();
    String Reason = tblLeaves.getModel().getValueAt(row, 3).toString();
    String ReqLeaves = tblLeaves.getModel().getValueAt(row, 4).toString();
    AdminOperations Op = new AdminOperations();
    try {
        Op.updateLeavesInfo(Name, ID, AvLeaves, Reason, ReqLeaves, "ACCEPTED");
        Op.updateLeaves(ID, AvLeaves, ReqLeaves);
        JOptionPane.showMessageDialog(null, "Leave Accepted!");
        LeaveApp ap = new LeaveApp();
        ap.displayLeaveRequests();
        ap.setVisible(true);
```

```
            this.dispose();
        } catch (Exception ex) {
            Logger.getLogger(LeaveApp.class.getName()).log(Level.SEVERE, null, ex);
        }
    }

    private void tblLeavesMouseClicked(java.awt.event.MouseEvent evt) {
        int row = tblLeaves.getSelectedRow();
        String Status = tblLeaves.getModel().getValueAt(row, 5).toString();
        if (Status.equals("ACCEPTED") || Status.equals("REJECTED")) {
            btnAccept.setEnabled(false);
            btnReject.setEnabled(false);
            JOptionPane.showMessageDialog(null, "THIS REQUEST HAS ALREADY BEEN DEALTH
WITH!");
    }
    }
    private void btnDashboardActionPerformed(java.awt.event.ActionEvent evt) {
        Admin ad = new Admin();
        ad.setVisible(true);
        this.dispose();
    }

    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(LeaveApp.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(LeaveApp.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(LeaveApp.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(LeaveApp.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 LeaveApp().setVisible(true);
            }
        });
    }

    public void displayLeaveRequests() {
        try {
            String Status = "PENDING";
            String sql = "select * from LeaveRequest where Status='" + Status + "'  ";
            PrepState = con_obj.prepareStatement(sql);
            result = PrepState.executeQuery();
            DefaultTableModel tm = (DefaultTableModel) tblLeaves.getModel();
            tm.setRowCount(0);
            while (result.next()) {
```

```
            Object o[] = {result.getString("EName"), result.getString("EmployeeID"),
result.getString("AvailableLeaves"), result.getString("Reason"), result.getString("RequestedLeaves"),
result.getString("Status")};
            tm.addRow(o);
          }
      } catch (Exception ex) {
          JOptionPane.showMessageDialog(null, ex);
      }

   }
```

Messages.java:

```
package projectstart;

import backEnd.DBConnection;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author fazee
 */
public class Messages extends javax.swing.JFrame {

   /**
    * Creates new form Messages
    */
   DBConnection con = new DBConnection();
   Connection con_obj = con.EstablishConnection();
   Statement state = null;
   PreparedStatement PrepState = null;
```

```
ResultSet result = null;
String empID;

public Messages() {
    initComponents();
    setResizable(false);
    setLocationRelativeTo(null);
}

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

    jPanel1 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    tblDM = new javax.swing.JTable();
    jLabel1 = new javax.swing.JLabel();
    Dashboard = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setMinimumSize(new java.awt.Dimension(1055, 651));

    jPanel1.setBackground(new java.awt.Color(98, 99, 101));

    tblDM.setBackground(new java.awt.Color(98, 99, 101));
    tblDM.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {

        },
```

```
        new String [] {
            "Employee Name", "Message"
        }
    ) {
        boolean[] canEdit = new boolean [] {
            false, false
        };

        public boolean isCellEditable(int rowIndex, int columnIndex) {
            return canEdit [columnIndex];
        }
    });
    jScrollPane1.setViewportView(tblDM);
    if (tblDM.getColumnModel().getColumnCount() > 0) {
        tblDM.getColumnModel().getColumn(1).setPreferredWidth(800);
    }

    jLabel1.setFont(new java.awt.Font("Dialog", 1, 22)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(51, 0, 51));
    jLabel1.setText("                    MESSAGES");

    Dashboard.setBackground(new java.awt.Color(98, 99, 101));
    Dashboard.setFont(new java.awt.Font("Dialog", 1, 20)); // NOI18N
    Dashboard.setForeground(new java.awt.Color(51, 0, 51));
    Dashboard.setText("   DASHBOARD");
    Dashboard.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            DashboardActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
```

```
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jScrollPane1)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(328, 328, 328)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 389,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(338, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(Dashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 251,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(398, 398, 398))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(23, 23, 23)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 56,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(32, 32, 32)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 31,
Short.MAX_VALUE)
            .addComponent(Dashboard, javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(29, 29, 29))
    );

    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)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    private void DashboardActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Admin ad = new Admin();
        ad.setVisible(true);
        this.dispose();
    }

    public void displayTable() throws SQLException, Exception {
        try {
            String sql = "select * from DirectMessages";
            PrepState = con_obj.prepareStatement(sql);
            result = PrepState.executeQuery();
            DefaultTableModel tm = (DefaultTableModel) tblDM.getModel();
            tm.setRowCount(0);
            while (result.next()) {
                Object o[] = {result.getString("EName"), result.getString("Messages")};
                tm.addRow(o);
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
    }
```

BACKEND CLASSES WITH SQL QUERIES (backEnd package):

ADMINOPERATIONS.JAVA:

```
package backEnd;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;
import projectstart.*;

public class AdminOperations extends Employee{

   DBConnection con = new DBConnection();
   Connection con_obj = con.EstablishConnection();
   Statement state = null;
   PreparedStatement PrepState = null;
   ResultSet result = null;
   EditProfile ed = new EditProfile();

   public boolean updateLeavesInfo(String EName, String EID, String Avleaves, String Reason, String
ReqLeaves, String Status) throws SQLException, Exception {
      boolean access = false;
      String sql = "UPDATE LeaveRequest set (EName,
EmployeeID,AvailableLeaves,Reason,RequestedLeaves,Status)=('" + EName + "','" + EID + "','" + Avleaves +
"','" + Reason + "','" + ReqLeaves + "','" + Status + "') where EmployeeID='" + EID + "'";
      try {
         state = con_obj.createStatement();
         int res = state.executeUpdate(sql);
         if (res > 0) {
```

```
            access = true;
        } else {
        }
    } catch (Exception ex) {
        JOptionPane.showMessageDialog(null, ex);
    }
    return access;
}

public boolean updateLeaves(String EID, String Avleaves, String ReqLeaves) throws SQLException,
Exception {
    boolean access = false;
    int Leaves = (Integer.parseInt(Avleaves) - Integer.parseInt(ReqLeaves));
    String sql = "UPDATE EmployeeDetails set (AvailableLeaves)=('" + Leaves + "') where EmployeeID='" +
EID + "'";
    try {
        state = con_obj.createStatement();
        int res = state.executeUpdate(sql);
        if (res > 0) {
            access = true;
        } else {
        }
    } catch (Exception ex) {
        JOptionPane.showMessageDialog(null, ex);
    }
    return access;
}

public boolean addAnnounce(String Name, String Announcement) {
    boolean access = false;
    String sql = "insert into Announcement(AdminName,Announcement) values('" + Name + "','" +
Announcement + "')";
    try {
        state = con_obj.createStatement();
        int res = state.executeUpdate(sql);
```

```
        if (res > 0) {
            access = true;
        } else {
        }
    } catch (Exception ex) {
        JOptionPane.showMessageDialog(null, ex);
    }
    return access;
}

public boolean deleteEmployee(String ID) {
    boolean access = false;
    String sql = "delete from EmployeeDetails where EmployeeID='" + ID + "'";
    try {
        state = con_obj.createStatement();
        int res = state.executeUpdate(sql);
        if (res > 0) {
            access = true;
        } else {
        }
    } catch (Exception ex) {
        JOptionPane.showMessageDialog(null, ex);
    }
    return access;
}

public boolean deleteSuggestion(String ID) {
    boolean access = false;
    String sql = "delete from Suggestions where SuggestionID='" + ID + "'";
    try {
        state = con_obj.createStatement();
        int res = state.executeUpdate(sql);
        if (res > 0) {
            access = true;
```

```
            } else {
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
        return access;
    }

    public boolean complaintResolve(String strID, String Dept, String Comp, String Status) {
        boolean access = false;
        String sql = "UPDATE Complaints set (Dept, Complaint, Status)=('" + Dept + "','" + Comp + "','" + Status
+ "') where ComplaintID='" + strID + "'";
        try {
            state = con_obj.createStatement();
            int res = state.executeUpdate(sql);
            if (res > 0) {
                access = true;
            } else {
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
        return access;
    }

    public boolean adminEmpUpdate(String uID, String Name, String Age, String Phone, String Dept, String
Qual, String Designation, String Salary, String Leaves) throws SQLException, Exception {
        boolean access = false;
        String sql = "UPDATE EmployeeDetails set
(EName,Age,Phone,Department,Qualification,Designation,Salary,AvailableLeaves)=('" + Name + "','" + Age +
"','" + Phone + "','" + Dept + "','" + Qual + "','" + Designation + "','" + Salary + "','" + Leaves + "') where
EmployeeID='" + uID + "'";
        try {
            state = con_obj.createStatement();
            int res = state.executeUpdate(sql);
```

```
            if (res > 0) {
                access = true;
            } else {
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
        return access;
    }
```

DBConnection:

```
package backEnd;

import java.sql.Connection;
import java.sql.DriverManager;
import javax.swing.JOptionPane;

/**
 *
 * @author fazee
 */
public class DBConnection {

    static Connection con = null;

    public Connection EstablishConnection() {

        try {
            Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");
            con = DriverManager.getConnection("jdbc:ucanaccess://D:\\OOPLabProject.accdb");
            //JOptionPane.showMessageDialog(null, "Connected.");

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

```
        }
        return con;
    }
    public void CloseConnection() throws Exception {
        DBConnection.con.close();
        JOptionPane.showMessageDialog(null, "Closed");
    }

}
```

DEPARTMENT.java:

```
package backEnd;

public class Department {
String DeptName;

    public Department(String DeptName) {
        this.DeptName = DeptName;
    }

    public void setDeptName(String DeptName) {
        this.DeptName = DeptName;
    }

    public String getDeptName() {
        return DeptName;
    }

}
```

DEPARTMENTDEC.JAVA:

```
package backEnd;

public class DepartmentDec {
```

```
    public Department HR = new Department("HR");
    public Department Finance = new Department("Finance");
    public Department Technical = new Department("Technical");
    public Department Marketing = new Department("Marketing");
    public Designation CEO = new Designation("CEO");
    public Designation Manager = new Designation("Manager");
    public Designation Staff = new Designation("Staff");

}
```

DESIGNATION.JAVA:

```
package backEnd;

public class Designation {

    String DesName;
    private Double Allowance, BasicPay=15000.0, NetSalary;
    private int Leaves;

    public Designation(String DesName) {
        this.DesName = DesName;
    }

    public double netSalary() {
        if(this.DesName.equals("CEO"))
        Allowance=5.0;
        else if(this.DesName.equals("Manager"))
        Allowance=3.0;
        else if(this.DesName.equals("Staff"))
        Allowance=2.0;
        this.NetSalary = (this.BasicPay * Allowance)+this.BasicPay;
        return NetSalary;
    }

    public int Leaves()
```

```
    {
    if(this.DesName.equals("CEO"))
       Leaves=120;
    else if(this.DesName.equals("Manager"))
       Leaves=90;
    else if(this.DesName.equals("Staff"))
       Leaves=30;
    return Leaves;
    }


    public void setDesName(String DesName) {
       this.DesName = DesName;
    }

    public void setNetSalary(Double NetSalary) {
       this.NetSalary = NetSalary;
    }

    public String getDesName() {
       return DesName;
    }

    public Double getNetSalary() {
       return NetSalary;
    }
}
```

EMPLOYEE.JAVA:

```
package backEnd;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
```

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

public class Employee {

    public String Name, Age, Phone, Dept, Qual, Desg, EmpID, Password;
    public int AvLeaves;
    public Double Salary;
    DBConnection con = new DBConnection();
    Connection con_obj = con.EstablishConnection();
    Statement state = null;
    PreparedStatement PrepState = null;
    ResultSet result = null;

    public boolean addEmp(String Name, String Age, String Phone, String Dept, String Qual, String
Designation, String Salary, int AvLeave) {
        String Pass = "12345";
        String sql = "insert into EmployeeDetails(Password, EName, Age, Phone, Department, Qualification,
Designation, Salary, AvailableLeaves)values('" + Pass + "','" + Name + "','" + Age + "','" + Phone + "','" + Dept
+ "','" + Qual + "','" + Designation + "','" + Salary + "','" + AvLeave + "')";
        boolean b = false;
        try {
            state = con_obj.createStatement();
            int rs = state.executeUpdate(sql);

            if (rs > 0) {
                JOptionPane.showMessageDialog(null, "Inserted!");
                b = true;
            } else {
                JOptionPane.showMessageDialog(null, "Error");
                b = false;
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
```

```
        return b;
    }

    public boolean updateUser(int uID, String Name, String Age, String Phone) throws SQLException,
Exception {
        boolean access = false;
        String sql = "UPDATE EmployeeDetails set (EName,Age,Phone)=('" + Name + "','" + Age + "','" + Phone
+ "') where EmployeeID='" + uID + "'";
        try {
            state = con_obj.createStatement();
            int res = state.executeUpdate(sql);
            if (res > 0) {
                access = true;
            } else {
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
        return access;
    }

}
```

EmployeeOperations.java:

```
package backEnd;

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

public class EmployeeOperations extends Employee{
```

```
DBConnection con = new DBConnection();
Connection con_obj = con.EstablishConnection();
Statement state = null;
PreparedStatement PrepState = null;
ResultSet result = null;

public boolean fetchUser(int uID) throws Exception {

   String loginString = "select * from EmployeeDetails where EmployeeID='" + uID + "'  ";
   boolean access = false;
   try {
      PrepState = con_obj.prepareStatement(loginString);
      result = PrepState.executeQuery();
      while (result.next()) {
         Name = result.getString("EName");
         Age = result.getString("Age");
         Phone = result.getString("Phone");
         Dept = result.getString("Department");
         Qual = result.getString("Qualification");
         Desg = result.getString("Designation");
         Salary = result.getDouble("Salary");
         AvLeaves = result.getInt("AvailableLeaves");

         access = true;
      }
   } catch (Exception ex) {
      JOptionPane.showMessageDialog(null, ex);
      access = false;
   }
   return access;

}
```

```
    public boolean updateUser(int uID, String Name, String Age, String Phone) throws SQLException,
Exception {
        boolean access = false;
        String sql = "UPDATE EmployeeDetails set (EName,Age,Phone)=('" + Name + "','" + Age + "','" + Phone
+ "') where EmployeeID='" + uID + "'";
        try {
            state = con_obj.createStatement();
            int res = state.executeUpdate(sql);
            if (res > 0) {
                access = true;
            } else {
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
        return access;
    }

    public boolean adminMessage(String Name, String Message) throws Exception {
        boolean access = false;
        String sql = "insert into DirectMessages(Ename,Messages)values('" + Name + "','" + Message + "')";
        try {
            state = con_obj.createStatement();
            int res = state.executeUpdate(sql);
            if (res > 0) {;
                access = true;
            } else {
            }

        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
        return access;
    }
```

```
public boolean fetchLeaves(String ID) throws Exception {
    String loginString = "select * from EmployeeDetails where EmployeeID='" + ID + "'  ";
    boolean access = false;
    try {
        PrepState = con_obj.prepareStatement(loginString);
        result = PrepState.executeQuery();
        while (result.next()) {
            AvLeaves = result.getInt("AvailableLeaves");
            Name = result.getString("EName");
            access = true;
        }
    } catch (Exception ex) {
        JOptionPane.showMessageDialog(null, ex);
        access = false;
    }
    return access;
}

public boolean leaveRequest(String Name, String ID, String AvLeaves, String Reason, String Leaves) throws
Exception {
    boolean access = false;
    String sql = "insert into
LeaveRequest(EName,EmployeeID,AvailableLeaves,Reason,RequestedLeaves,Status)values('" + Name + "','"
+ ID + "','" + AvLeaves + "','" + Reason + "','" + Leaves + "','" + "PENDING" + "')";
    try {
        state = con_obj.createStatement();
        int res = state.executeUpdate(sql);
        if (res > 0) {
            access = true;
        } else {
        }
    } catch (Exception ex) {
        JOptionPane.showMessageDialog(null, ex);
    }
    return access;
```

```
    }

    public boolean Suggestion(String dept, String suggest) throws Exception {

        String sql = "insert into Suggestions(Dept, Suggestion)values('" + dept + "','" + suggest + "')";
        boolean b = false;

        try {
            state = con_obj.createStatement();
            int rs = state.executeUpdate(sql);

            if (rs > 0) {
                b = true;
            } else {
                b = false;
            }

        } catch (Exception ex) {

            JOptionPane.showMessageDialog(null, ex);
        }
        return b;
    }

    public boolean Complaint(String dept, String comp) throws Exception {

        String sql = "insert into Complaints(Dept, Complaint,Status)values('" + dept + "','" + comp + "','" +
"PENDING" + "')";
        boolean b = false;

        try {
            state = con_obj.createStatement();
            int rs = state.executeUpdate(sql);

            if (rs > 0) {
```

```
            b = true;
        } else {
            b = false;
        }

    } catch (Exception ex) {

        JOptionPane.showMessageDialog(null, ex);
    }
    return b;
}

public boolean passwordFetch(String ID) {
    String loginString = "select * from EmployeeDetails where EmployeeID='" + ID + "'  ";
    boolean access = false;
    try {
        PrepState = con_obj.prepareStatement(loginString);
        result = PrepState.executeQuery();
        while (result.next()) {
            Password = result.getString("Password");
            access = true;
        }
    } catch (Exception ex) {
        JOptionPane.showMessageDialog(null, ex);
        access = false;
    }
    return access;
}

public boolean passwordUpdate(String ID, String Password) {
    boolean access = false;
    String sql = "UPDATE EmployeeDetails set (Password)=('" + Password + "') where EmployeeID='" + ID
+ "'";
    try {
        state = con_obj.createStatement();
```

```
            int res = state.executeUpdate(sql);
            if (res > 0) {
                access = true;
            } else {
            }
        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, ex);
        }
        return access;
    }

}
```

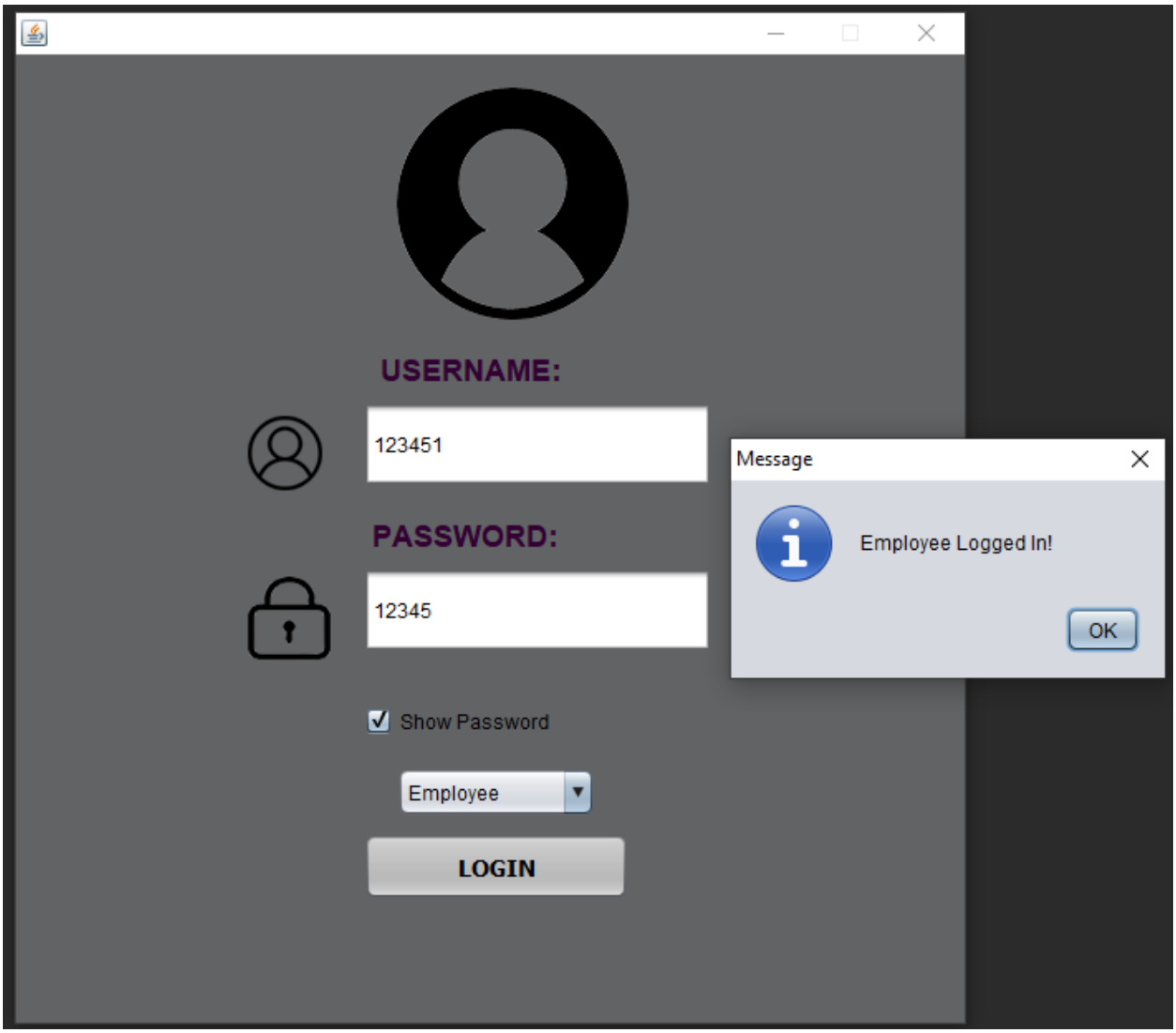
LOGIN.JAVA:

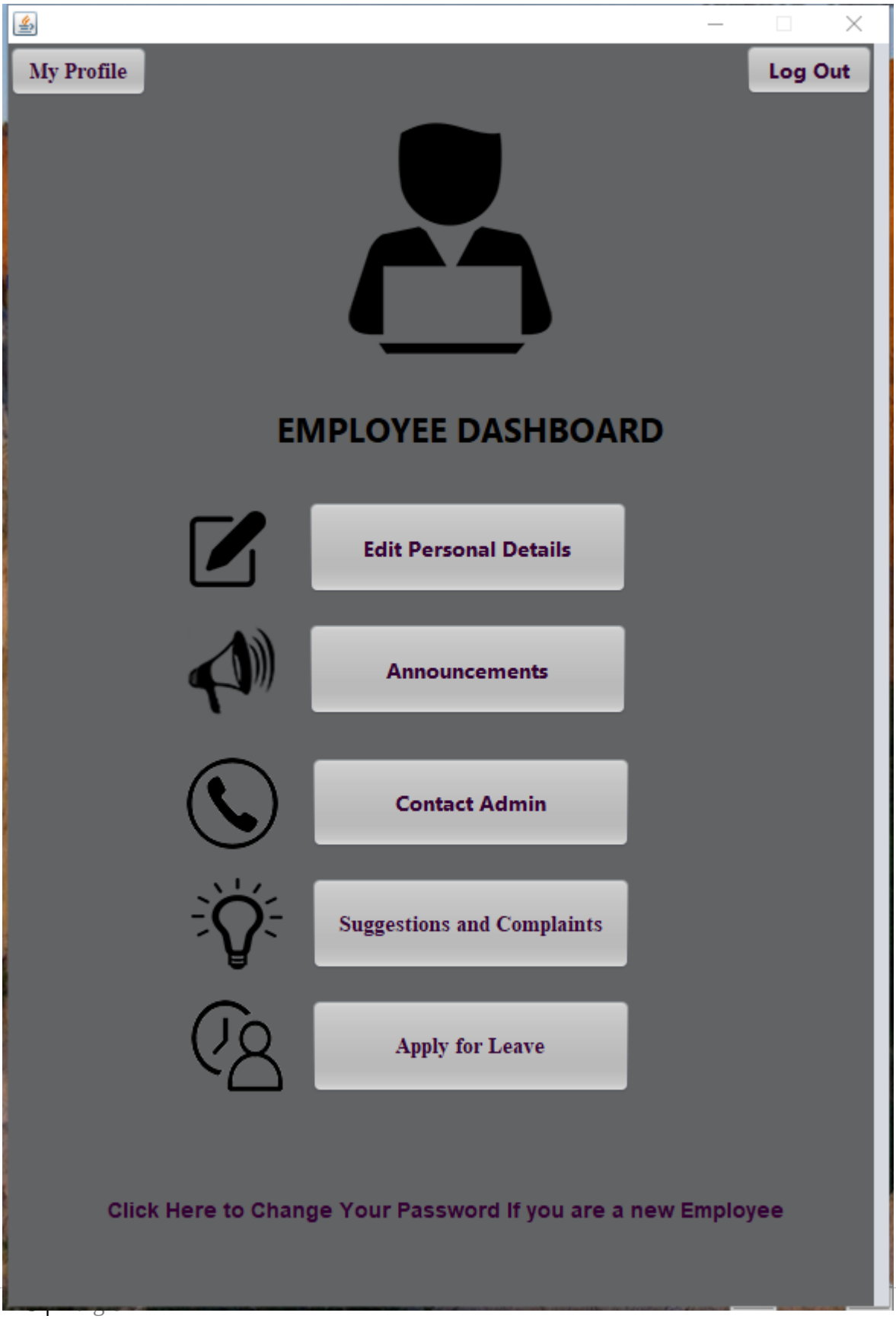
```
package backEnd;

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

public class Login {

    DBConnection con = new DBConnection();
    Connection con_obj = con.EstablishConnection();

    String name, pass;

    Statement stmt = null; //used for insert, update, delete.
    PreparedStatement pst = null;
    ResultSet rs = null;

    public boolean AdminLogin(String uname, String upass) throws SQLException {
```

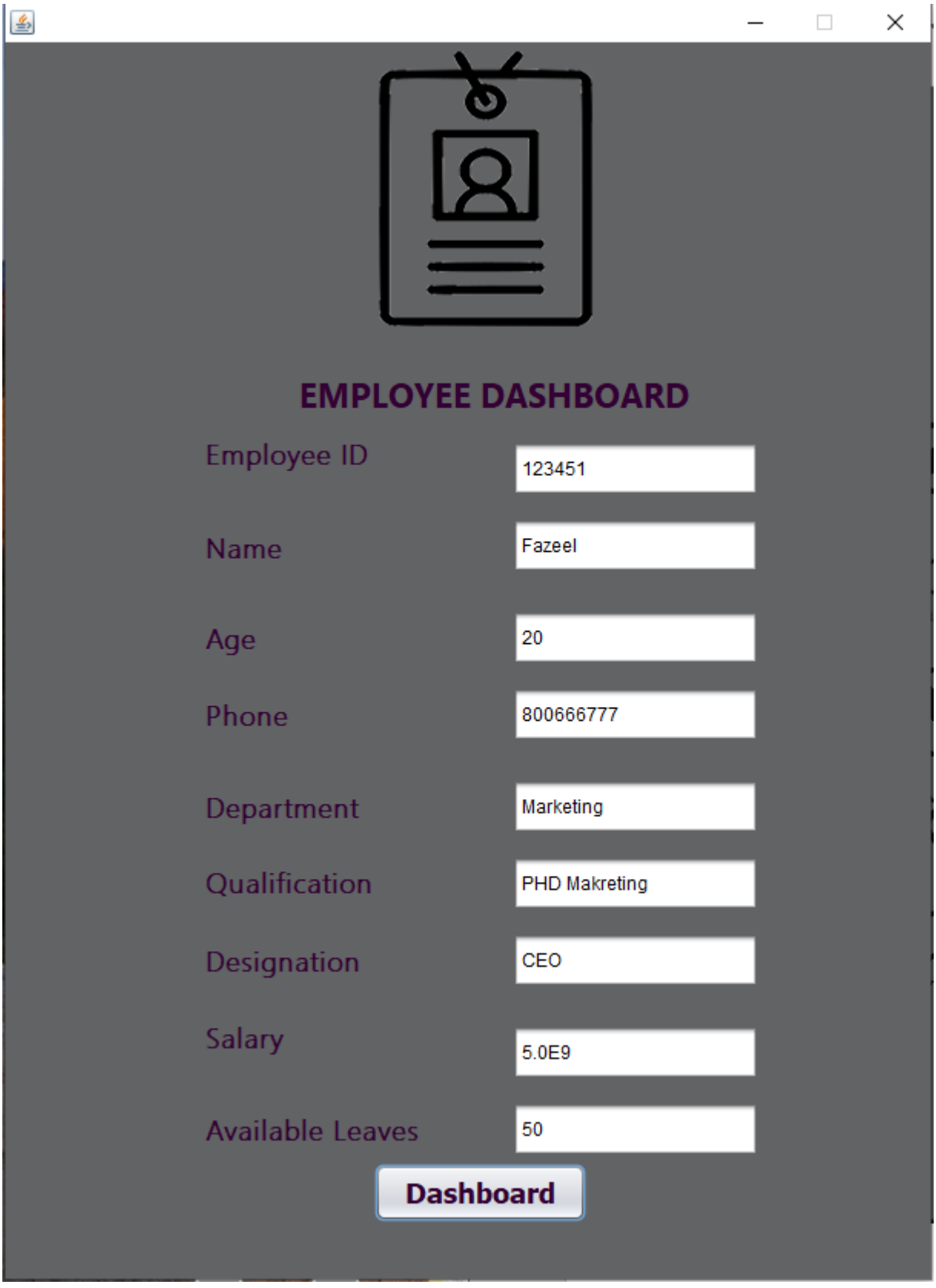
```
    String loginString = "select * from AdminLoginDetails where UserID='" + uname + "' and Password='" +
upass + "' ";
    boolean b;
    try {
      pst = con_obj.prepareStatement(loginString);
      rs = pst.executeQuery();
      if (rs.next()) {

        b = true;
      } else {
        b = false;
      }

    } catch (Exception ex) {

      JOptionPane.showMessageDialog(null, ex);
      b = false;
    } finally {
      con_obj.close();
    }
    return b;
  }

  public boolean EmpLogin(String id, String upass) throws SQLException {

    String loginString = "select * from EmployeeDetails where EmployeeID='" + id + "' and Password='" +
upass + "' ";
    boolean b;
    try {
      pst = con_obj.prepareStatement(loginString);
      rs = pst.executeQuery();
      if (rs.next()) {

        b = true;
```

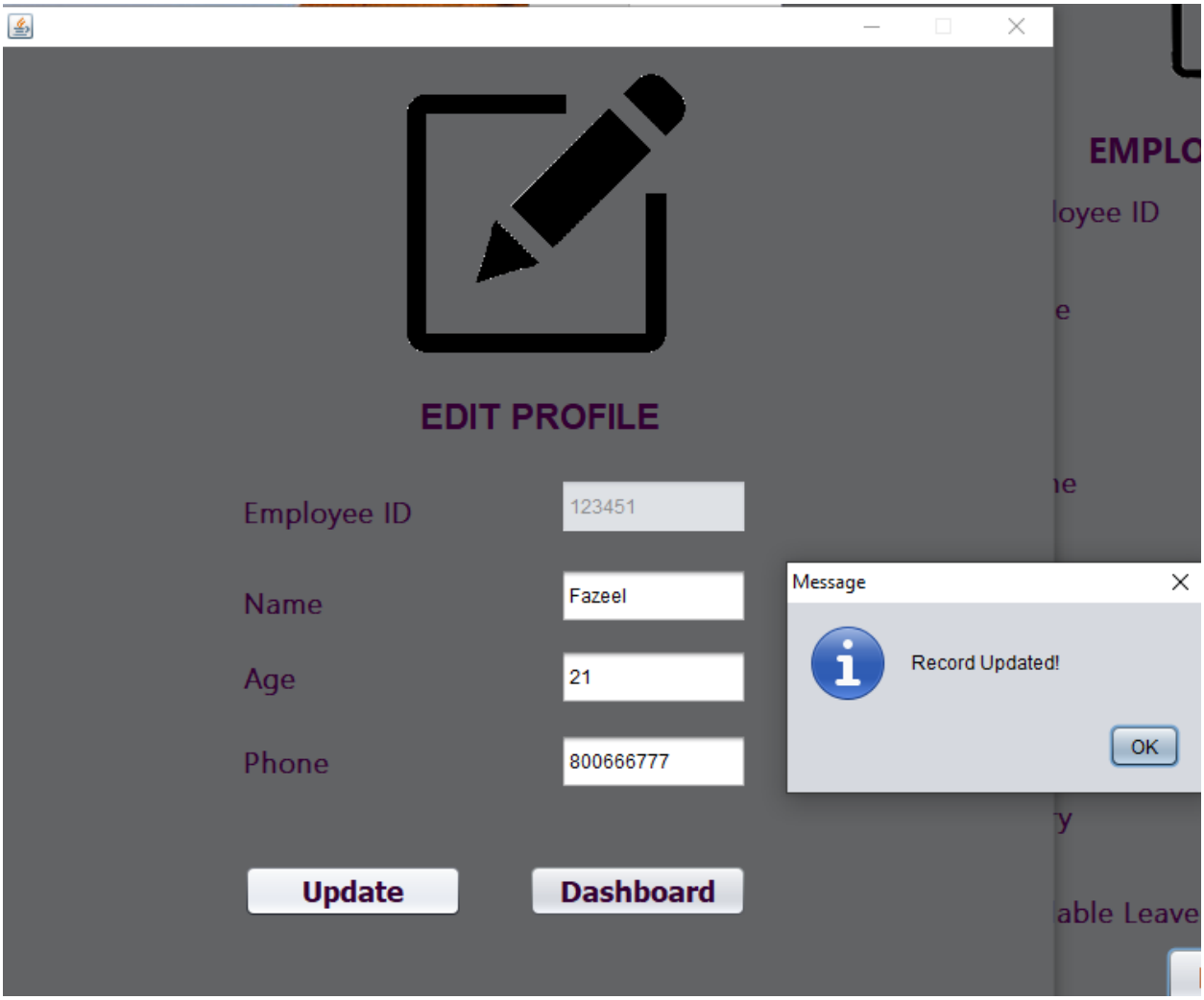
```
            } else {
                b = false;
            }

        } catch (Exception ex) {

            JOptionPane.showMessageDialog(null, ex);
            b = false;
        } finally {
            con_obj.close();
        }
        return b;
    }
}
```

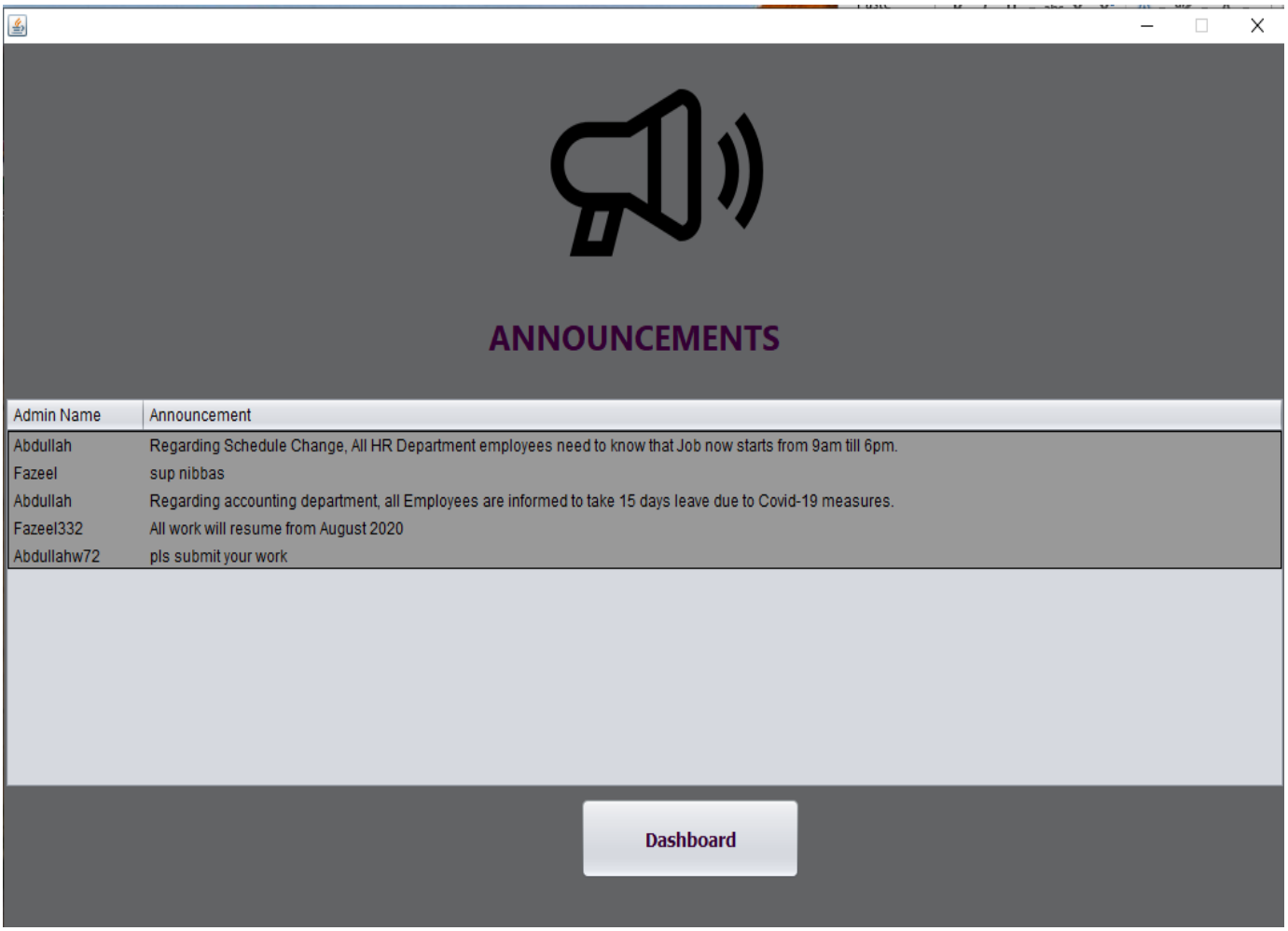
OUTPUT SCREENSHOTS:

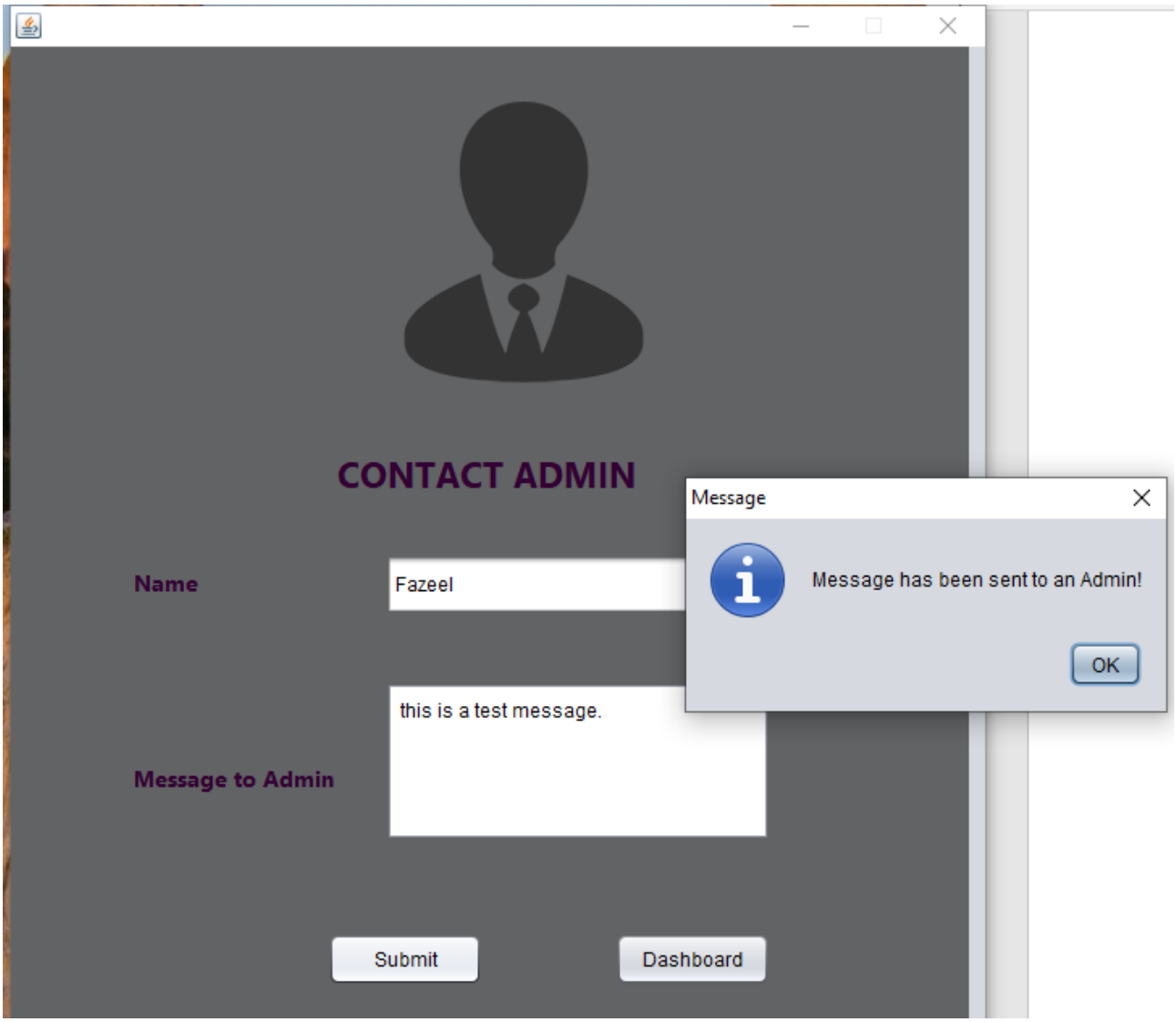

USERNAME:
123451
PASSWORD:
12345
Show Password
Employee
LOGIN
Message
Employee Logged In!
OK

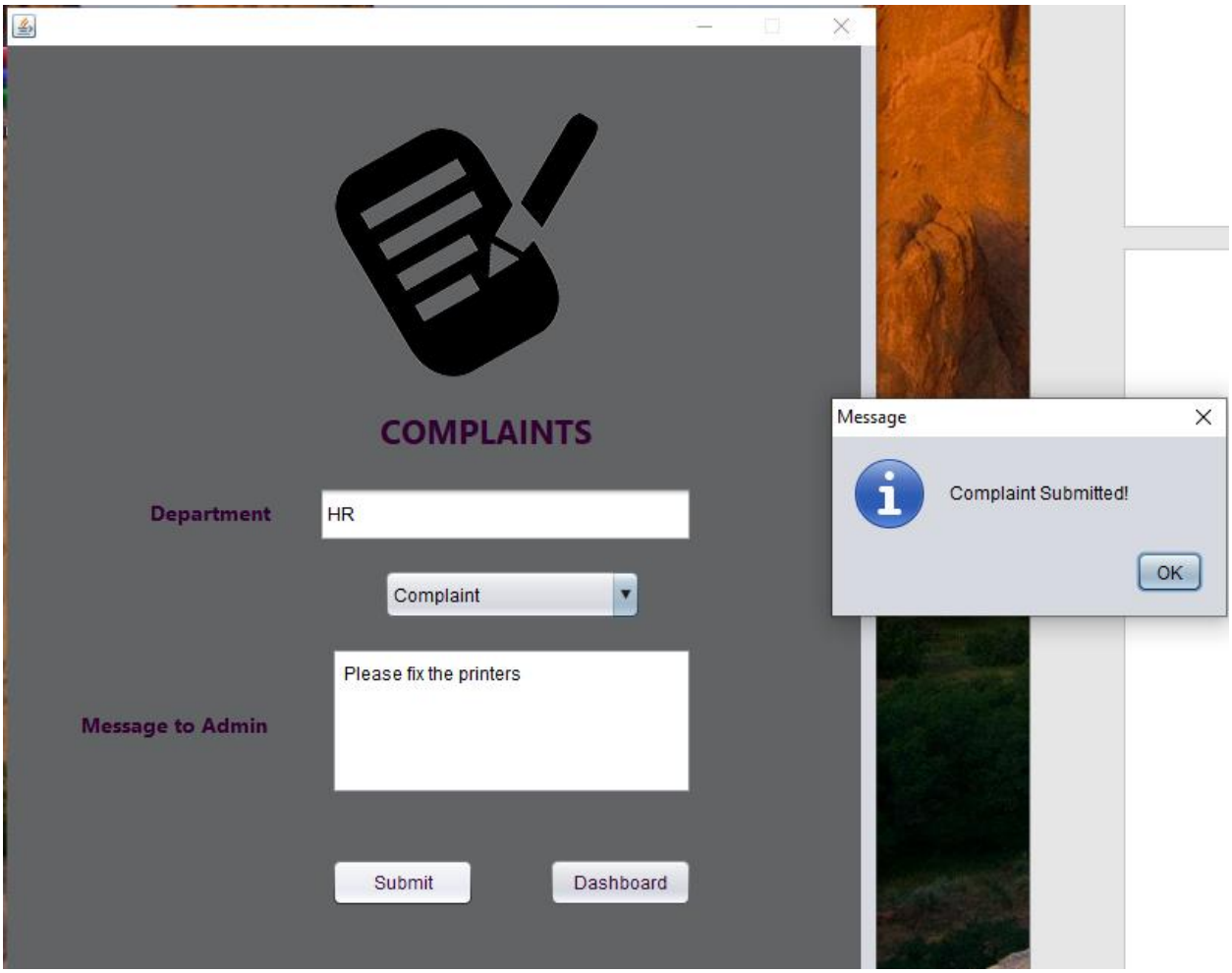

My Profile
Log Out
EMPLOYEE DASHBOARD
Edit Personal Details
Announcements
Contact Admin
Suggestions and Complaints
Apply for Leave
Click Here to Change Your Password If you are a new Employee

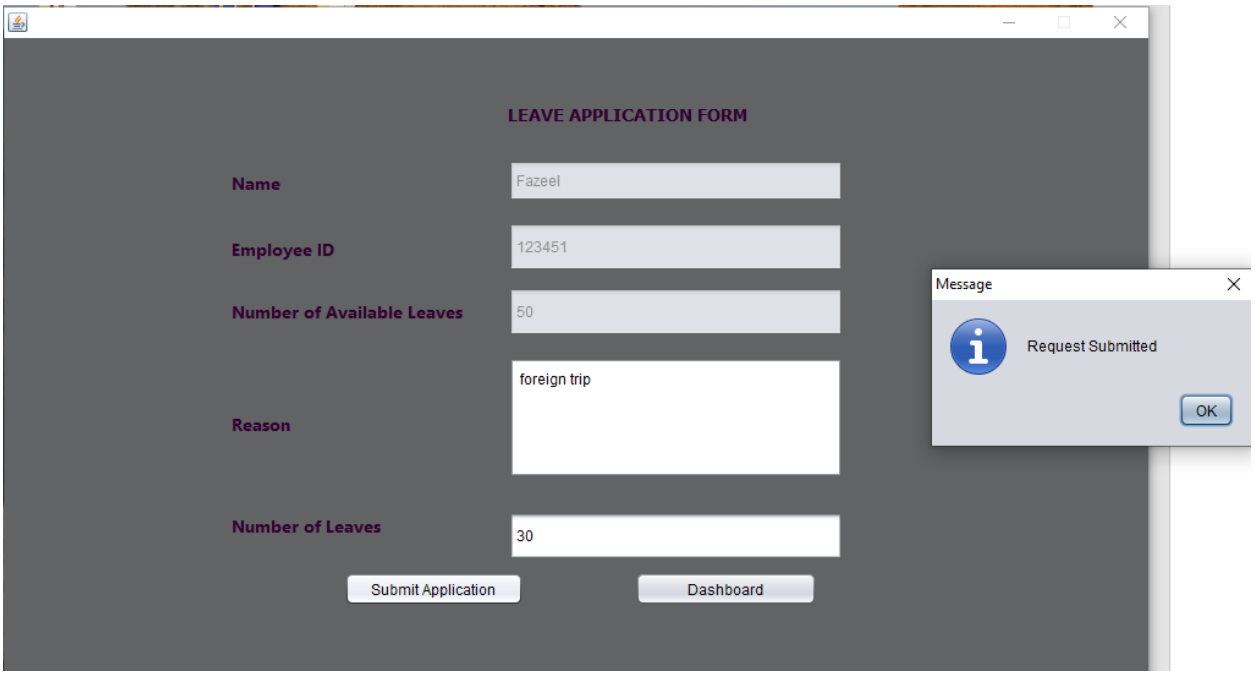

EMPLOYEE DASHBOARD
Employee ID
123451
Name
Fazeel
Age
20
Phone
800666777
Department
Marketing
Qualification
PHD Makreting
Designation
CEO
Salary
5.0E9
Available Leaves
50
Dashboard

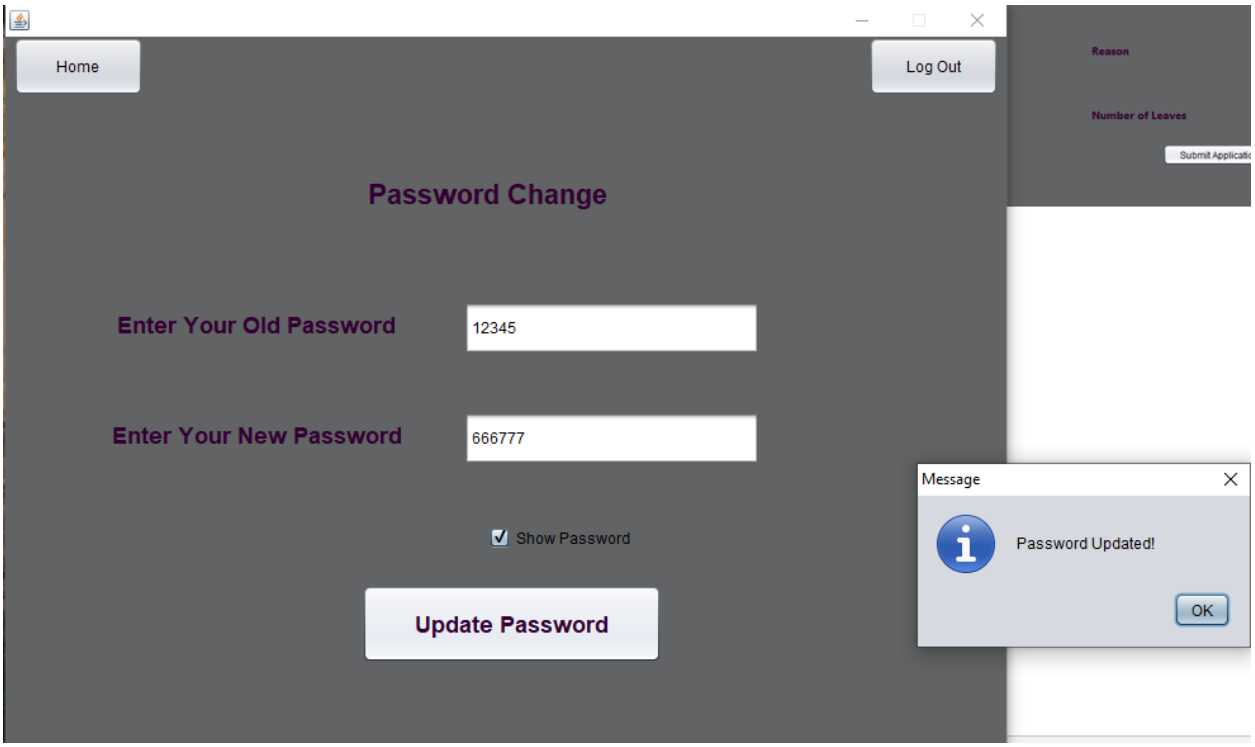

EDIT PROFILE
Employee ID
123451
Name
Fazeel
Age
21
Phone
800666777
Update
Dashboard
Message
Record Updated!
OK


ANNOUNCEMENTS
Admin Name
Announcement
Abdullah
Regarding Schedule Change, All HR Department employees need to know that Job now starts from 9am till 6pm.
Fazeel
sup nibbas
Abdullah
Regarding accounting department, all Employees are informed to take 15 days leave due to Covid-19 measures.
Fazeel332
All work will resume from August 2020
Abdullahw72
pls submit your work
Dashboard

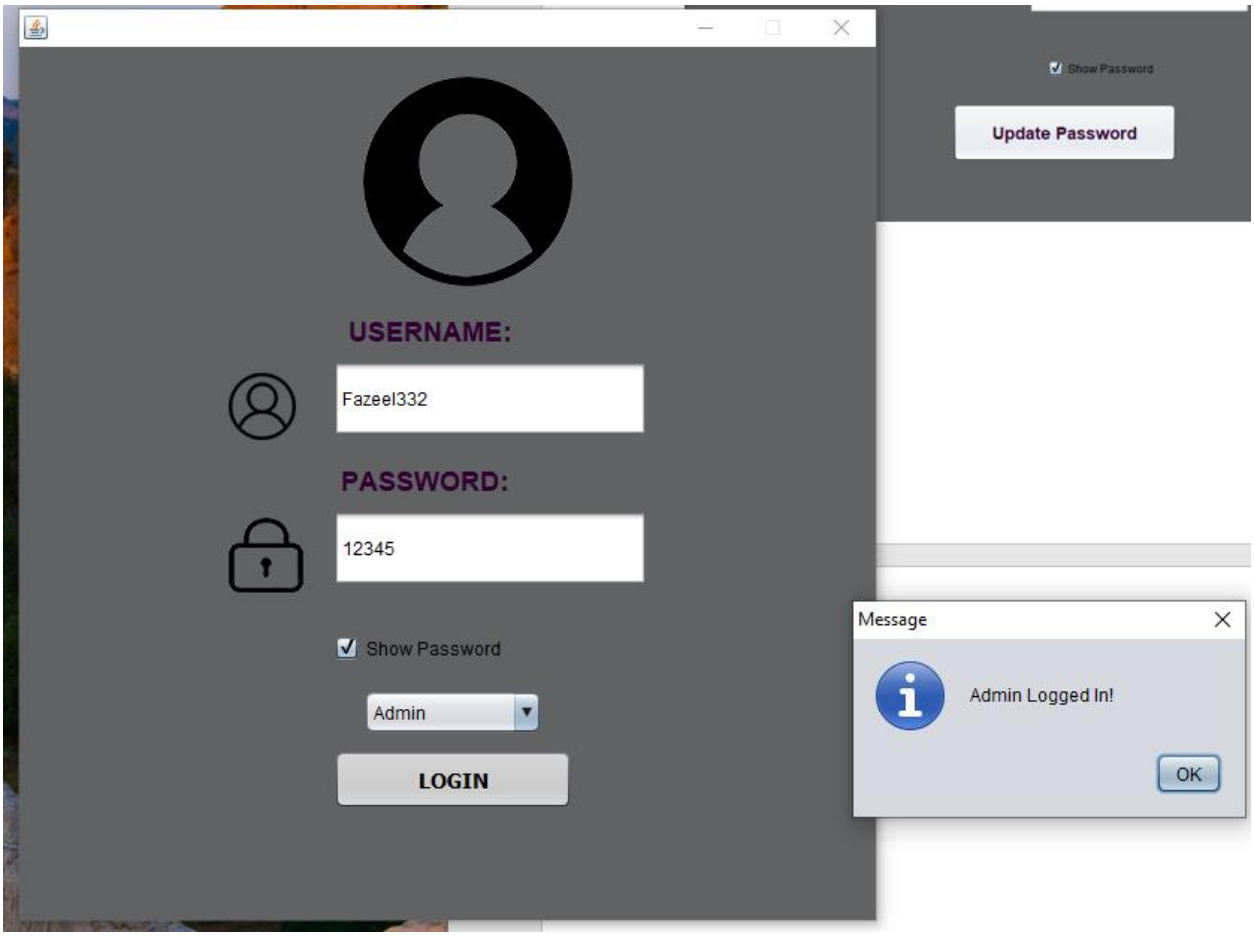

CONTACT ADMIN
Name
Fazeel
this is a test message.
Message to Admin
Submit
Dashboard
Message
Message has been sent to an Admin!
OK

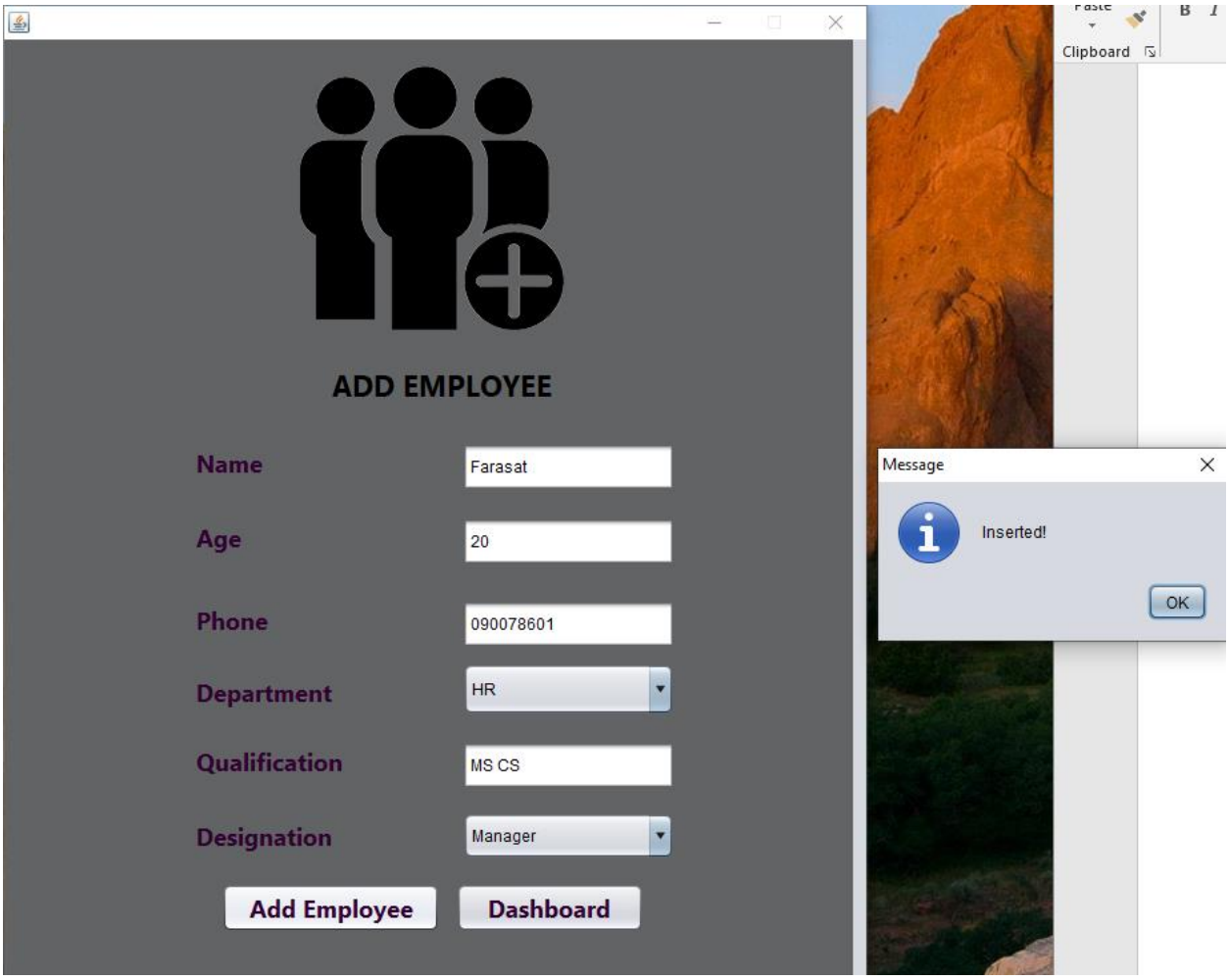

COMPLAINTS
Department
HR
Complaint
Message to Admin
Please fix the printers
Submit
Dashboard
Message
Complaint Submitted!
OK

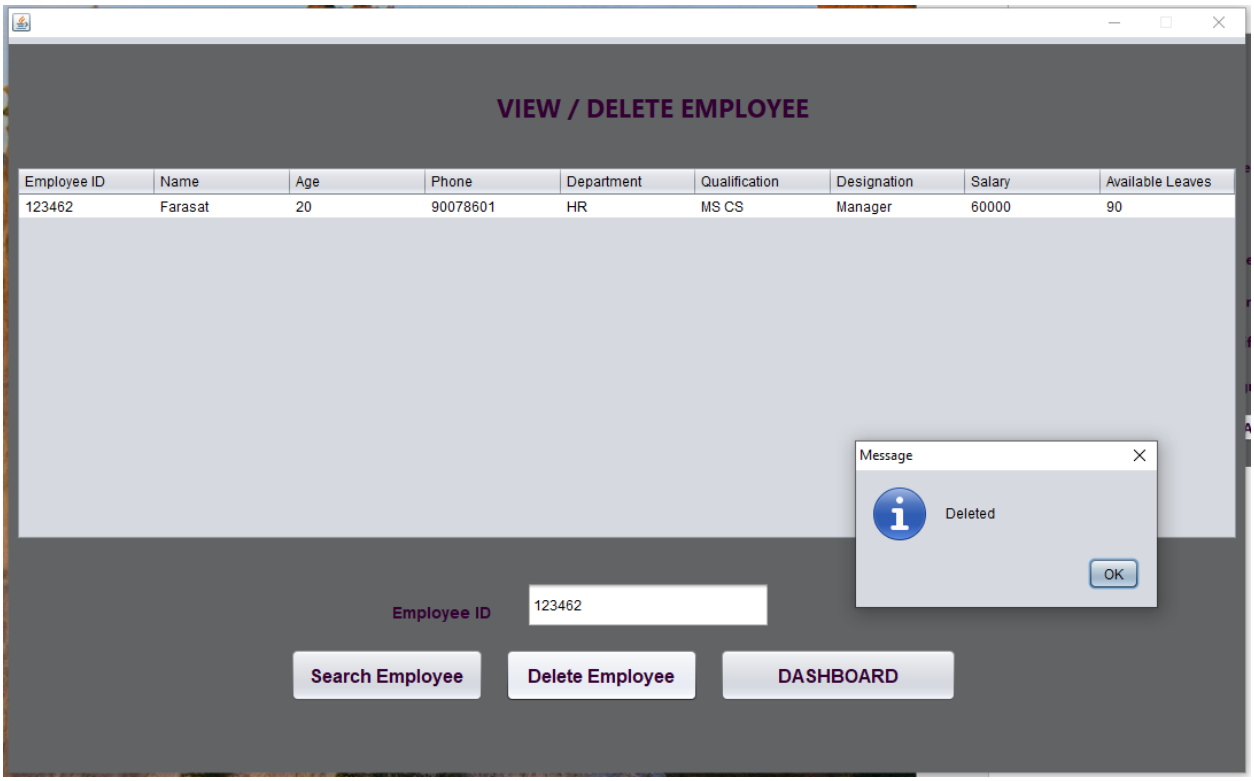

LEAVE APPLICATION FORM
Name
Fazeel
Employee ID
123451
Number of Available Leaves
50
Reason
foreign trip
Number of Leaves
30
Submit Application
Dashboard
Message
Request Submitted
OK

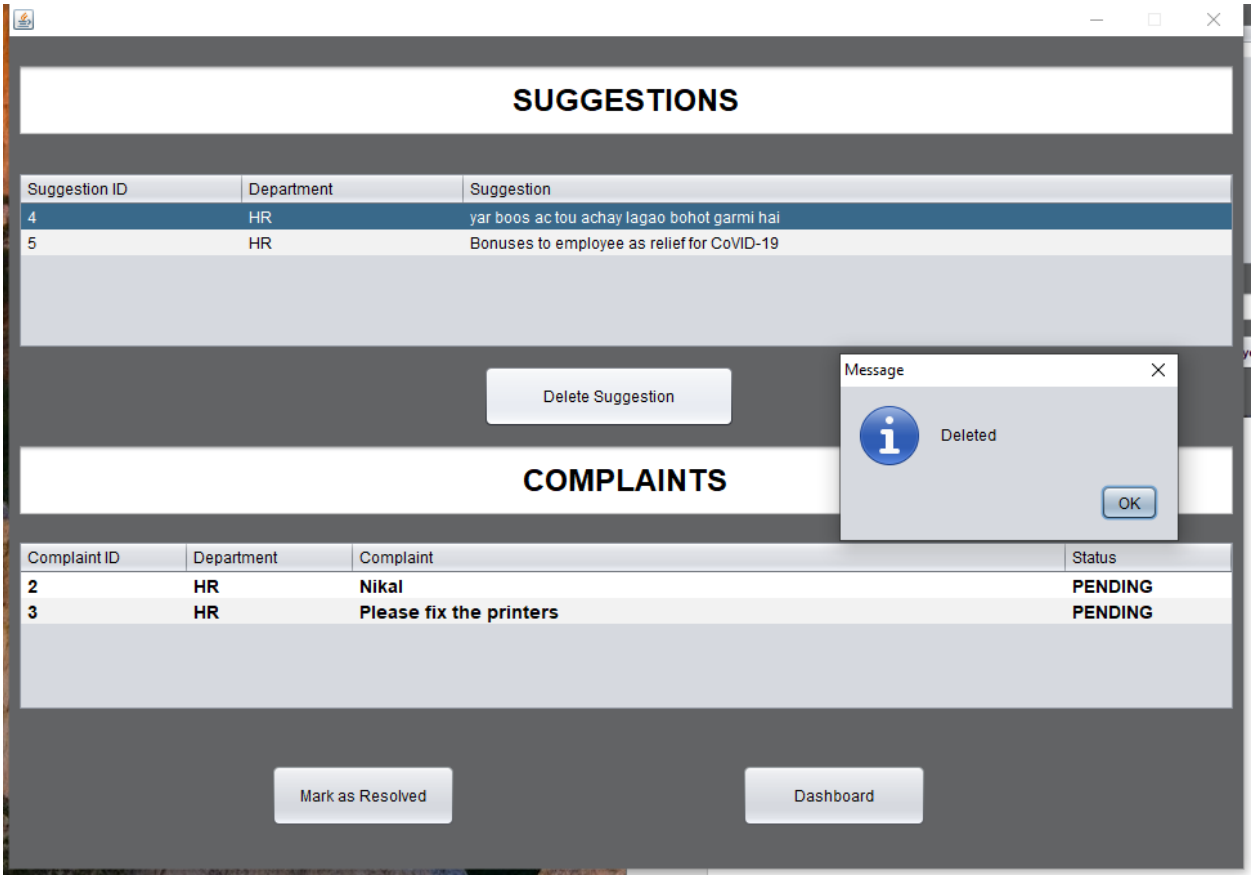

Home
Log Out
Password Change
Enter Your Old Password
12345
Enter Your New Password
666777
Show Password
Update Password
Message
Password Updated!
OK

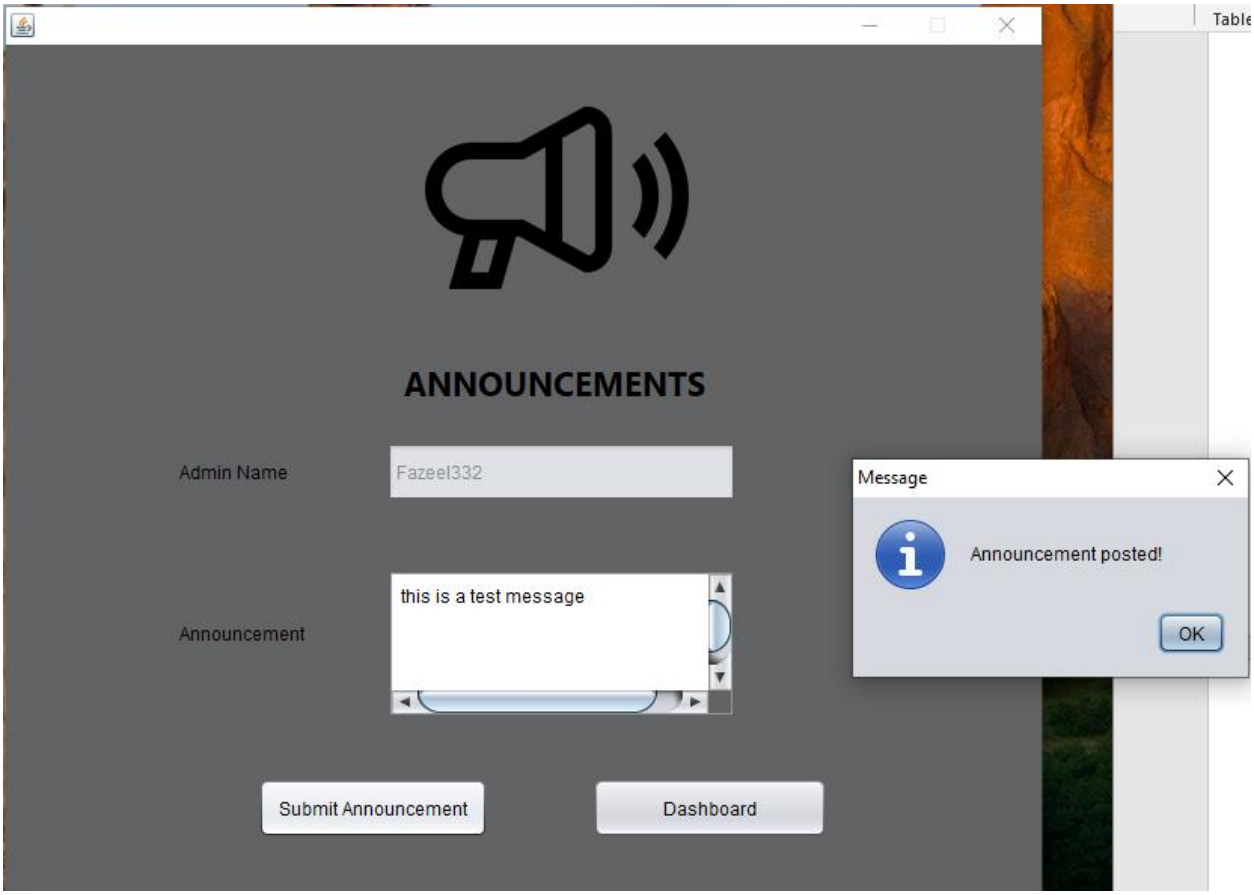
ADMIN SCREENSHOTS:

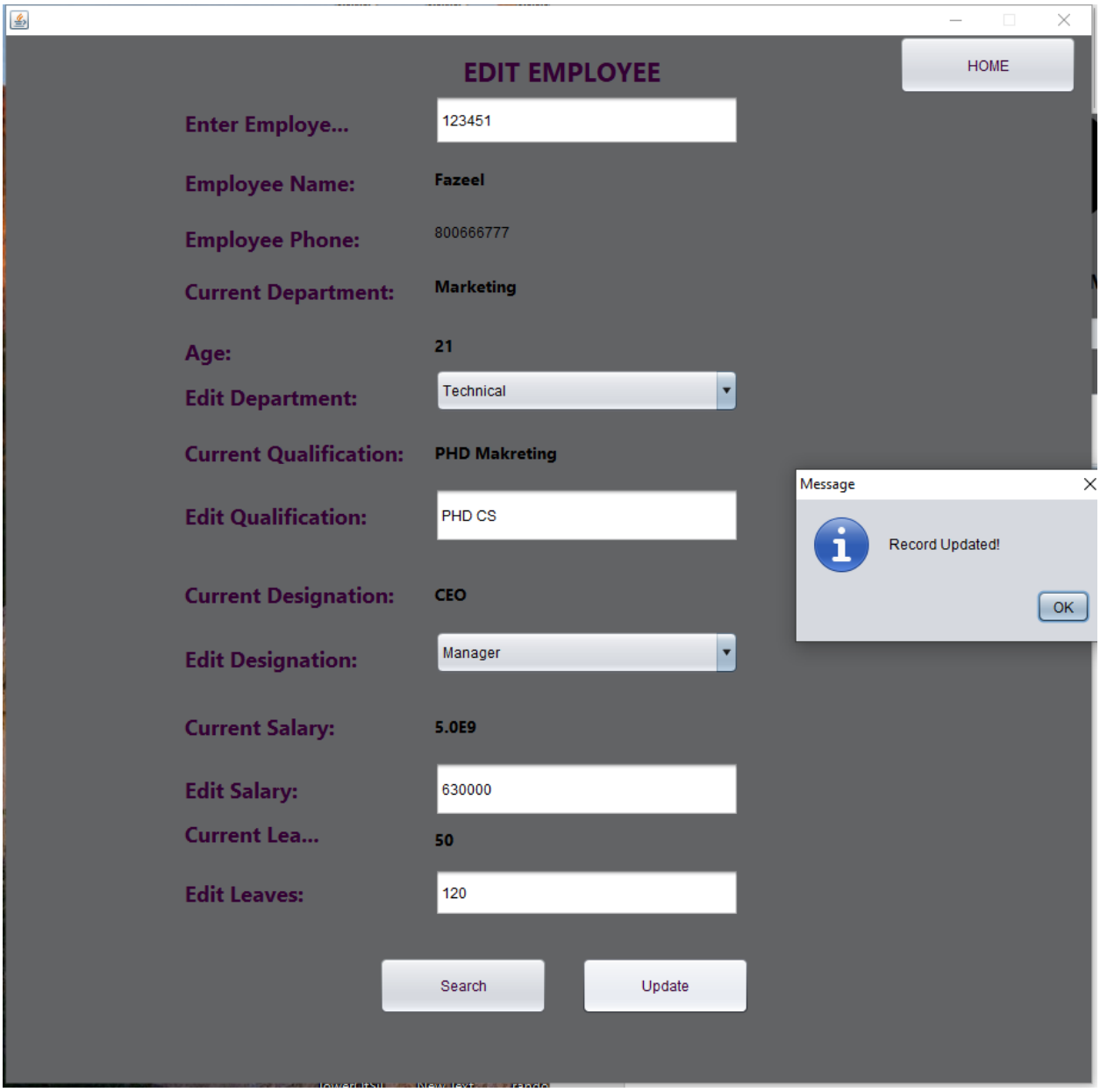


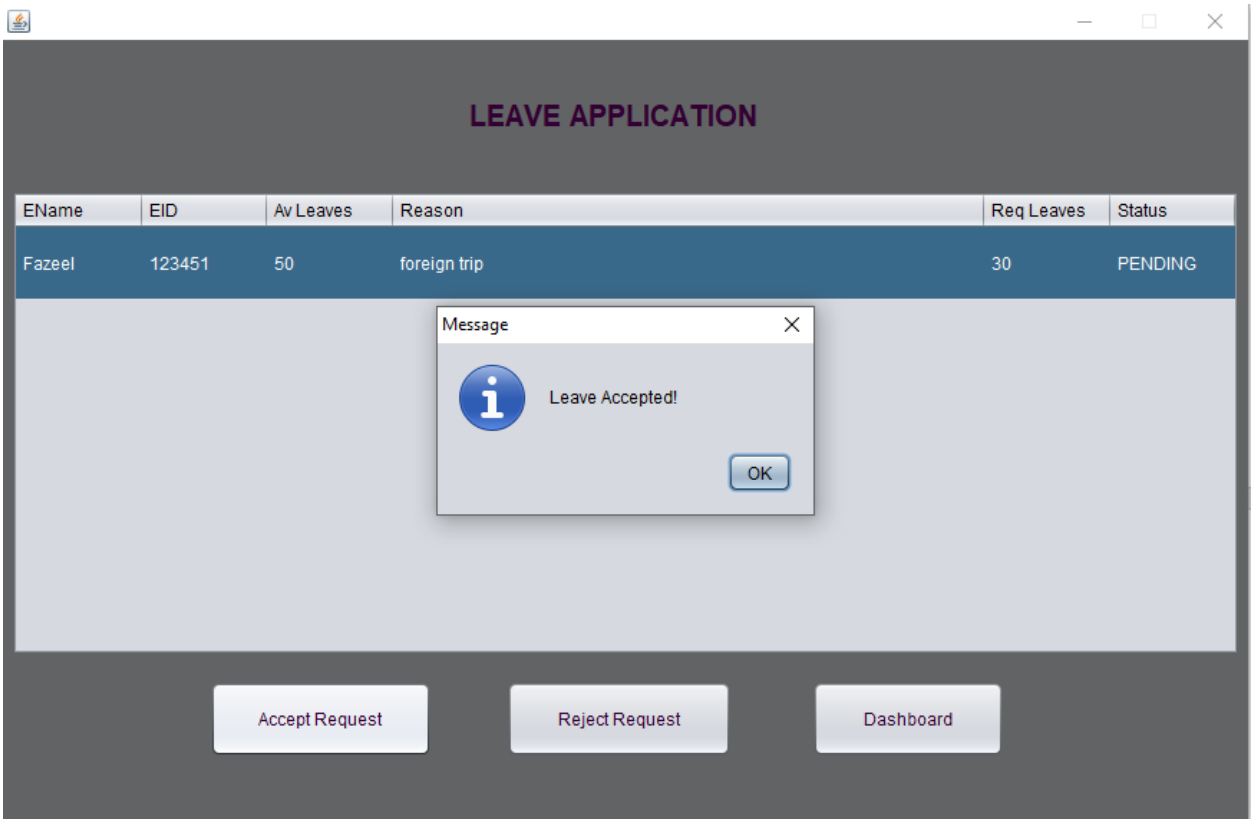

ADD EMPLOYEE
Name
Farasat
Age
20
Phone
090078601
Department
HR
Qualification
MS CS
Designation
Manager
Add Employee
Dashboard
Clipboard
Message
Inserted!
OK

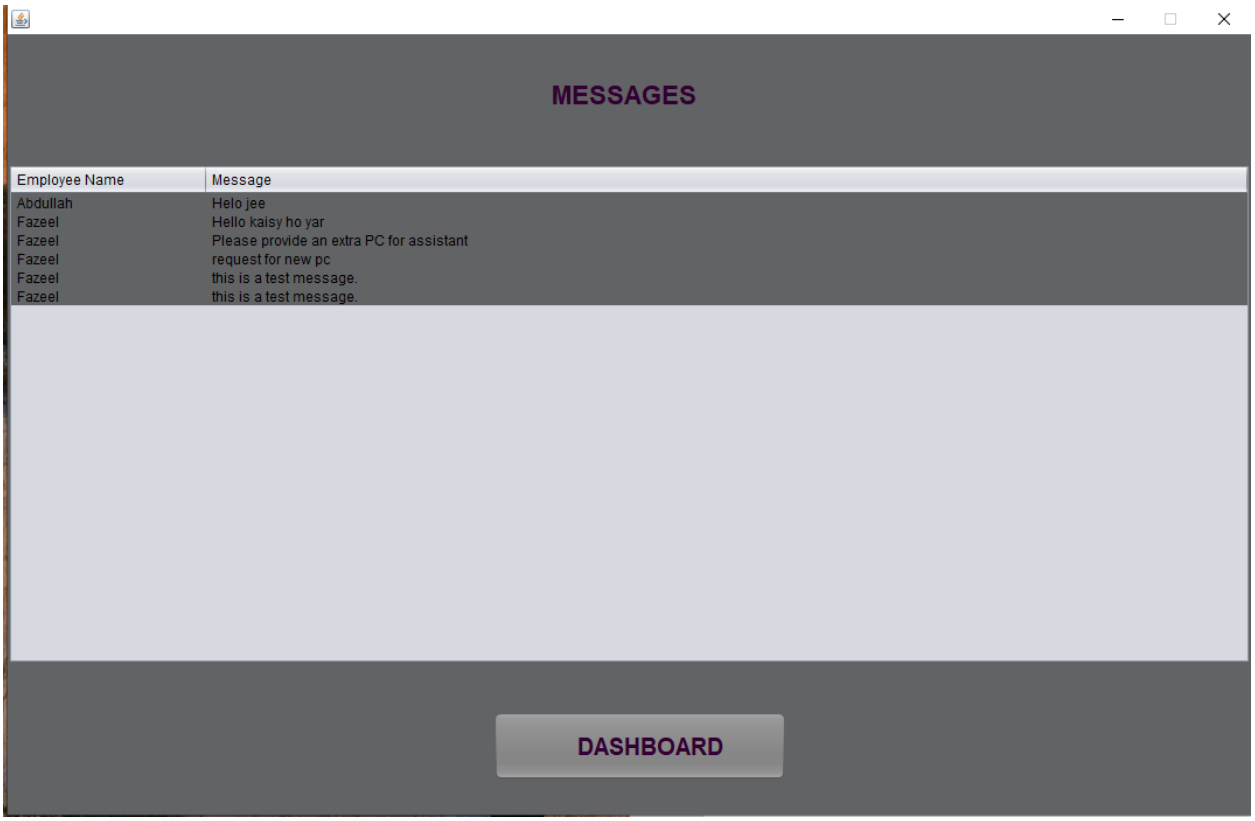

VIEW / DELETE EMPLOYEE
Employee ID
Name
Age
Phone
Department
Qualification
Designation
Salary
Available Leaves
123462
Farasat
20
90078601
HR
MS CS
Manager
60000
90
Message
Deleted
OK
Employee ID
123462
Search Employee
Delete Employee
DASHBOARD


SUGGESTIONS
Suggestion ID
Department
Suggestion
4
HR
yar boos ac tou achay lagao bohot garmi hai
5
HR
Bonuses to employee as relief for CoVID-19
Delete Suggestion
Message
Deleted
OK
COMPLAINTS
Complaint ID
Department
Complaint
Status
2
HR
Nikal
PENDING
3
HR
Please fix the printers
PENDING
Mark as Resolved
Dashboard

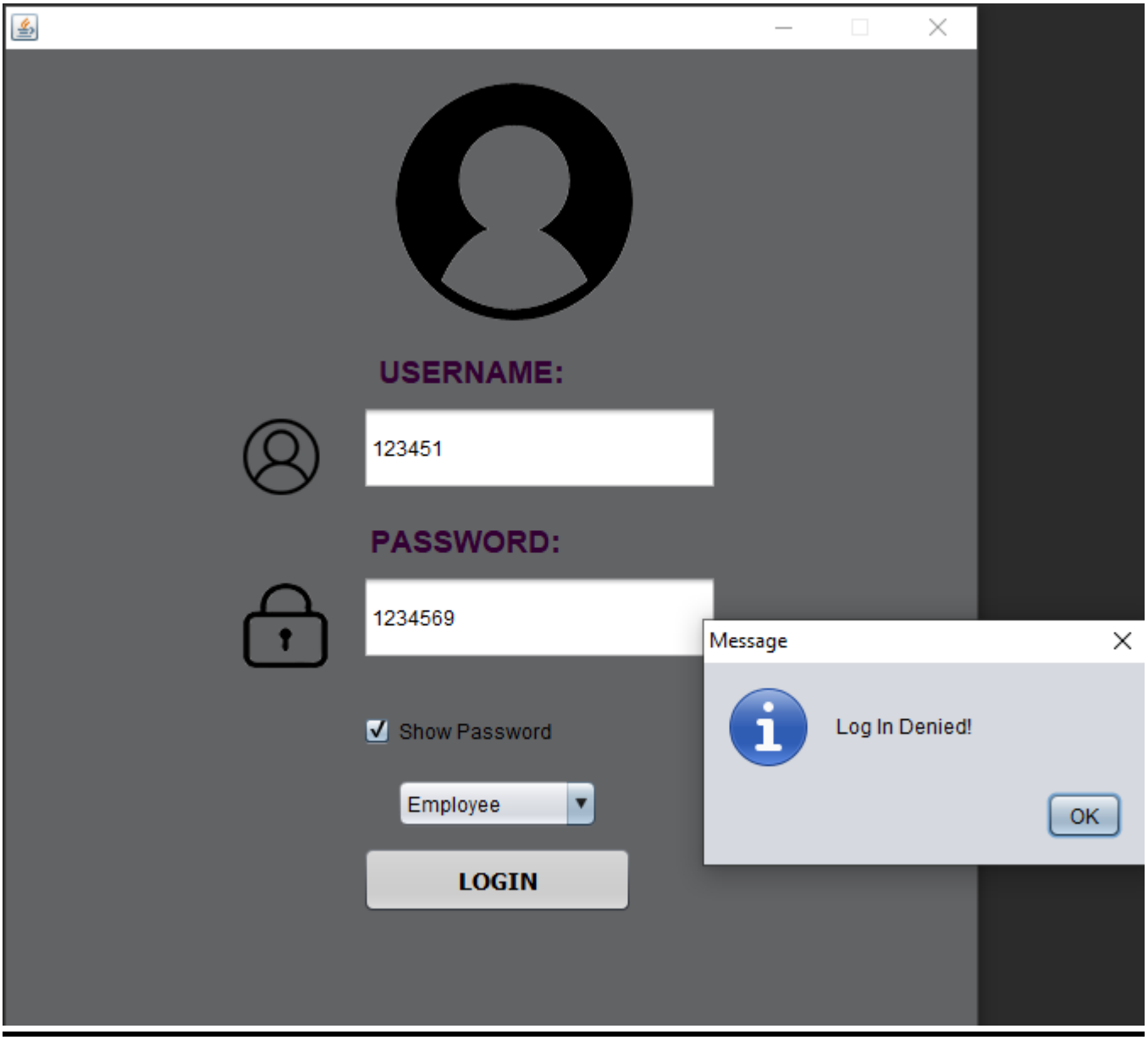

ANNOUNCEMENTS
Admin Name
Fazeel332
Announcement
this is a test message
Submit Announcement
Dashboard
Message
Announcement posted!
OK

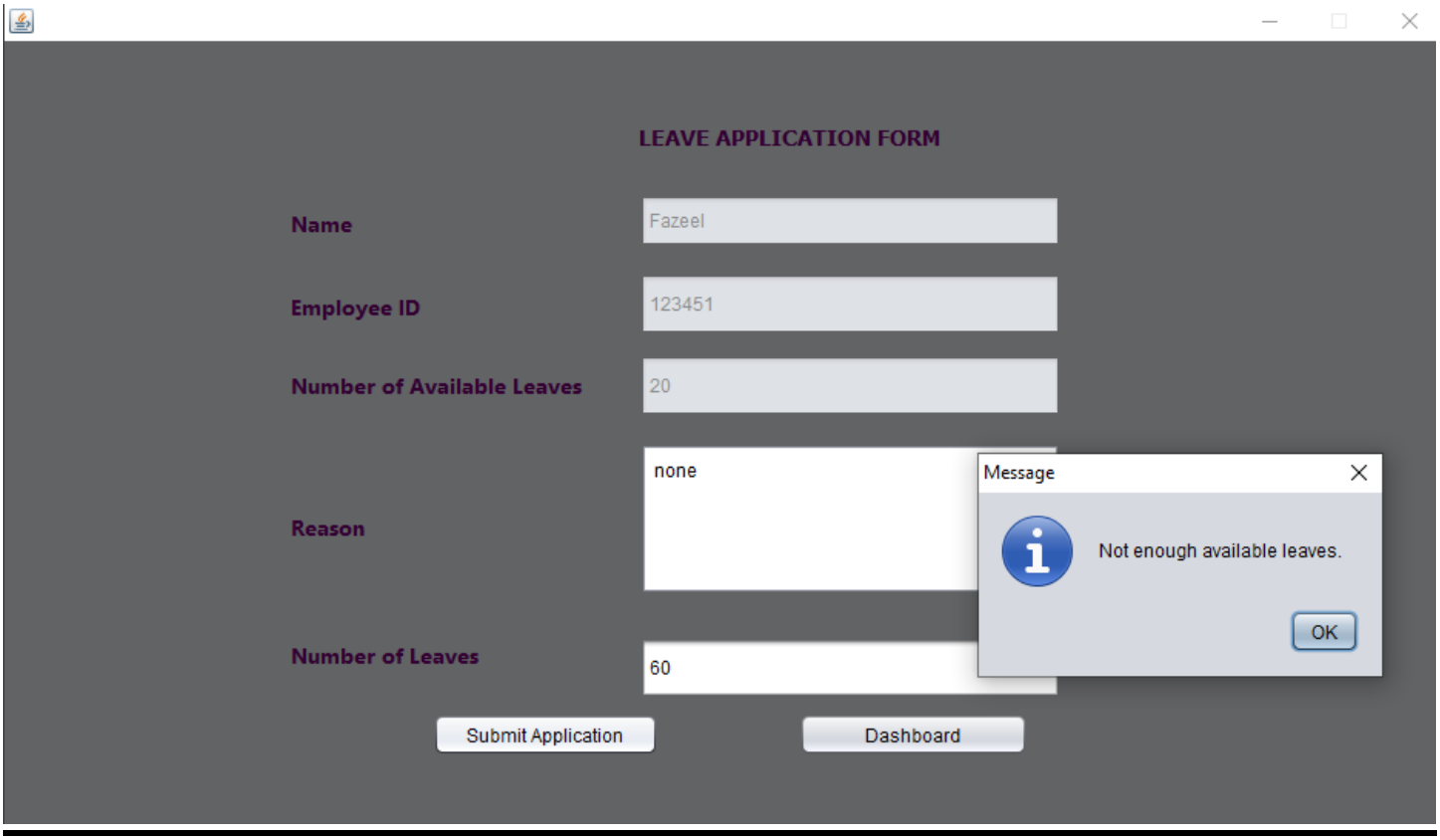

EDIT EMPLOYEE
HOME
Enter Employe...
123451
Employee Name:
Fazeel
Employee Phone:
800666777
Current Department:
Marketing
Age:
21
Edit Department:
Technical
Current Qualification:
PHD Makreting
Edit Qualification:
PHD CS
Current Designation:
CEO
Edit Designation:
Manager
Current Salary:
5.0E9
Edit Salary:
630000
Current Lea...
50
Edit Leaves:
120
Search
Update
Message
Record Updated!
OK

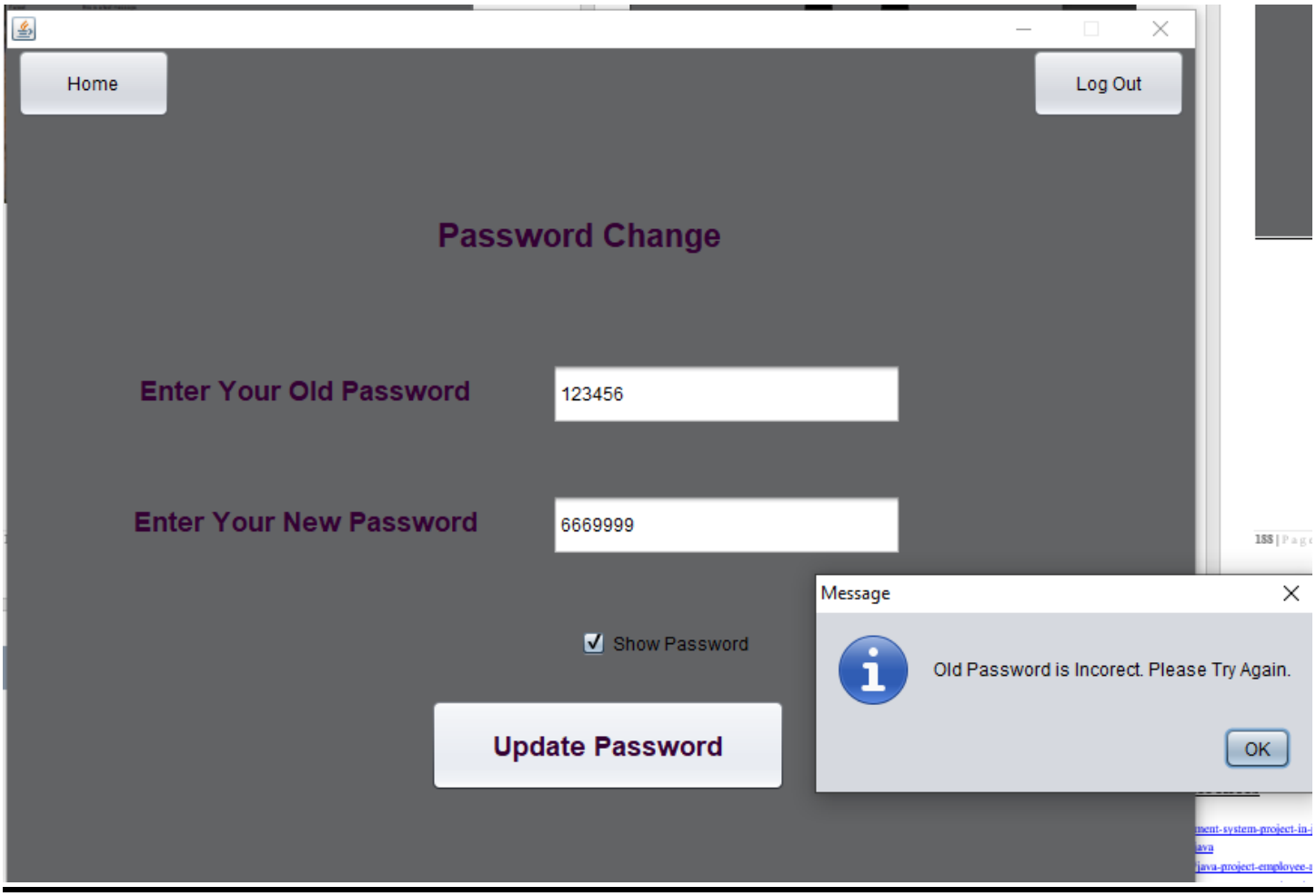

LEAVE APPLICATION
EName
EID
Av Leaves
Reason
Req Leaves
Status
Fazeel
123451
50
foreign trip
30
PENDING
Message
Leave Accepted!
OK
Accept Request
Reject Request
Dashboard


MESSAGES
Employee Name
Message
Abdullah
Helo jee
Fazeel
Hello kaisy ho yar
Fazeel
Please provide an extra PC for assistant
Fazeel
request for new pc
Fazeel
this is a test message.
Fazeel
this is a test message.
DASHBOARD

Testing and Validation




LEAVE APPLICATION FORM
Name
Fazeel
Employee ID
123451
Number of Available Leaves
20
Reason
none
Number of Leaves
60
Submit Application
Dashboard
Message
Not enough available leaves.
OK


Home
Log Out
Password Change
Enter Your Old Password
123456
Enter Your New Password
6669999
Show Password
Update Password
Message
Old Password is Incorect. Please Try Again.
OK

Conclusion

To conclude, this project is a very important aspect of any company as basically every company has some sort of employee management system going on. If it's paper-based, this can easily be a good replacement and a long-term investment for the company. However, there is always room for improvement and thus there are a couple of things that could be improved. Giving users the ability to post their work files, attendance through this software could be the next step.

Taking it a step further, we can add a feature of chatting between Colleagues or even Admins. This would help reduce physical or standard communication forms.

Overall, we are very satisfied with how it turned out, and I hope that we were able to impress you in any manner.

References

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