

A

Mini Project Report

**DISASTER RISK AND
REDRESSAL MANAGEMENT
SYSTEM**

*Submitted in partial fulfilment of the
Requirements for the award of the Degree of*

BACHELOR OF ENGINEERING

IN

INFORMATION TECHNOLOGY

By

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ACCREDITED BY NAAC WITH 'A++' GRADE

(Affiliated to Osmania University and Approved by AICTE)

Ibrahimbagh, Hyderabad-31

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DECLARATION BY CANDIDATE

We, **M. Siddhi Vinayak and S. Harshita** bearing hall ticket numbers, **1602-20-737-172 and 1602-20-737-133** hereby declare that the project and report entitled **Disaster Risk and Redressal Management System**, Department of Information Technology, Vasavi College of Engineering, Hyderabad, is submitted in partial fulfillment of the requirement for the award of the degree of **Bachelor of Engineering in Information Technology**

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

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ABSTRACT

Disaster Risk and Redressal Management System (DRRMS) is a browser system that is designed to reduce the risk of disasters in the society and help people by giving them info about the places which are disaster prone. This project aims at registering the complaints of the people who are in need of help in the disaster-prone areas and allot the respective task forces for the actions to be taken by them and save them from that situation. As it is very difficult for people to communicate with the officials normally we have brought this project into hand so that the people can easily address their complaints.

1. INTRODUCTION

Disaster Risk and Redressal Management System (DRRMS) is a browser system that is designed to reduce the risk of disasters in the society and help people by giving them info about the places which are disaster prone. This project aims at registering the complaints of the people who are in need of help in the disaster-prone areas and allot the respective task forces for the actions to be taken by them and save them from that situation. The project includes the detail of following areas:

- Registered person details
- Picture proof
- Disasters Table
- Place and disaster
- Response force details

Our Project deals with:

- It has basically 2 actors namely user and admin.

USER :

- He actually opens the browser, then if he is a person who is in a disaster-prone area, then he tries to register a complain through the browser.
- He enters his mobile number, CID, name, disaster, place and a summary of the situation over that place.

- For the purpose of proof, he should also upload picture of the incident over there.
- After uploading the picture, then he enters the date and finally submits the form.
- When the form is submitted, this data will be directly stored into the database.
- For the sake of knowing the status of the complaint which is registered, the user must check the complaint status.
- He must type the cid, and if any response force is allotted then the details will be displayed in the table which is below in the tab.
- If the user only wants to just check the places which are affected by the disaster then he must open the Disaster prone area tab.
- In that tab, he must type the state name so that, display of the places where the disaster risks are present are shown.

ADMIN :

- Admin first gets logged in and then there is a tab which is known as View Complaint.
- He enters the date, then the complaints which are registered on that date will be displayed
- Then he enters the assign response force.
- He enters the cid of the complaint and assigns response force in the tab by filling the details of response force head name, contact details etc.
- This will be again saved into database.
- And this data will be accessed by the user in the check complaint status.

2. ARCHITECTURE AND CONCEPTS

JAVA SWINGS

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

SQL

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

SPECIAL FEATURE :

We have inserted image into the database as a blob file.

3. TECHNOLOGY

SOFTWARE REQUIREMENTS

The following are the software used in our project –

- Java SE version 15.0.2
- Oracle 11g database – SQLPLUS 11.2.0.2.0

HARDWARE REQUIREMENTS

The hardware interface requirements ensure the software executes all requests given by the user efficiently. They are –

- Processor – Intel core i5 and above
- RAM – Minimum 2GB/4GB and above

4. TABLES :

```
mysql> select * from action;
```

Cid	ComplaintState	DisasterCommittee	TaskForceHead	Contact	Timings
And220622	Andhra Pradesh	F Task Force	Raghu Kumar	9864532164	10:20:00
And220622	Andhra Pradesh	C Task Force	Vivek Sagar	7543298765	13:50:00
Mah260622	Maharashtra	E Task Force	Charan Grover	9752496412	21:30:00

3 rows in set (0.00 sec)

```
mysql> select * from complaint;
```

cid	name	phonenummer	state	placeincident	disastername	complaint	picture	date_inc
And220622	Raj	1234567890	Andhra Pradesh	Prakasham	Flood	abcde	0x6E756C6C	2022-06-22
Bih220622	Siddhu	6305531837	Bihar	Sitamarhi	Flood	rdadtseasyasgasscvscscsjkc	0x6E756C6C	2022-06-22
And220622	Harshita	1234567890	Andhra Pradesh	Vizag	Flood	gsgdsxspwdqhsfs	0x6E756C6C	2022-06-22
Mah260622	Ronak	9988776655	Maharashtra	Mumbai	Earthquake	Tremors near my home	0x6E756C6C	2022-06-26

4 rows in set (0.00 sec)

```
mysql> select * from discom;
```

State	DisasterName	DisasterCommittee
Andhra Pradesh	Flood	F Task Force
Andhra Pradesh	Tsunami	T Task Force
Andhra Pradesh	Drought	D Task Force
Andhra Pradesh	Cyclone	C Task Force
Assam	Earthquake	E Task Force
Assam	Wildfire	W Task Force
Bihar	Flood	F Task Force
Bihar	Landslide	L Task Force
Haryana	Volcanic Erruption	V Task Force
Haryana	Flood	F Task Force
Kerala	Flood	F Task Force
Kerala	Cyclone	C Task Force
Kerala	Wildfire	W Task Force
Maharashtra	Flood	F Task Force
Maharashtra	Earthquake	E Task Force
Maharashtra	Volcanic Erruption	V Task Force
Maharashtra	Wildfire	W Task Force
Odisha	Wildfire	W Task Force
Odisha	Cyclone	C Task Force
Odisha	Tsunami	T Task Force
Tamil Nadu	Earthquake	E Task Force
Tamil Nadu	Drought	D Task Force

```
22 rows in set (0.00 sec)
```

```
mysql> select * from display;
```

state	disastername	places
Andhra Pradesh	Flood	Prakasham
Andhra Pradesh	Tsunami	Kakinada
Andhra Pradesh	Drought	Palamuru
Andhra Pradesh	Cyclone	Vishakapatnam
Assam	Earthquake	Guwahati
Assam	Wildfire	Dhubri
Bihar	Flood	Sitamarhi
Bihar	Landslide	Patna
Haryana	Volcanic Erruption	Rohtak
Haryana	Flood	Gurgaon
Kerala	Flood	Wayanad
Kerala	Cyclone	Ernakulam
Kerala	Wildfire	Idukki
Maharashtra	Flood	Nasik
Maharashtra	Earthquake	Mumbai
Maharashtra	Volcanic Erruption	Deccan Traps
Maharashtra	Wildfire	Thane
Odisha	Wildfire	Ganjam
Odisha	Cyclone	Balasore
Odisha	Tsunami	Bhadrak
Tamil Nadu	Earthquake	Chennai
Tamil Nadu	Drought	Coimbatore

```
22 rows in set (0.00 sec)
```

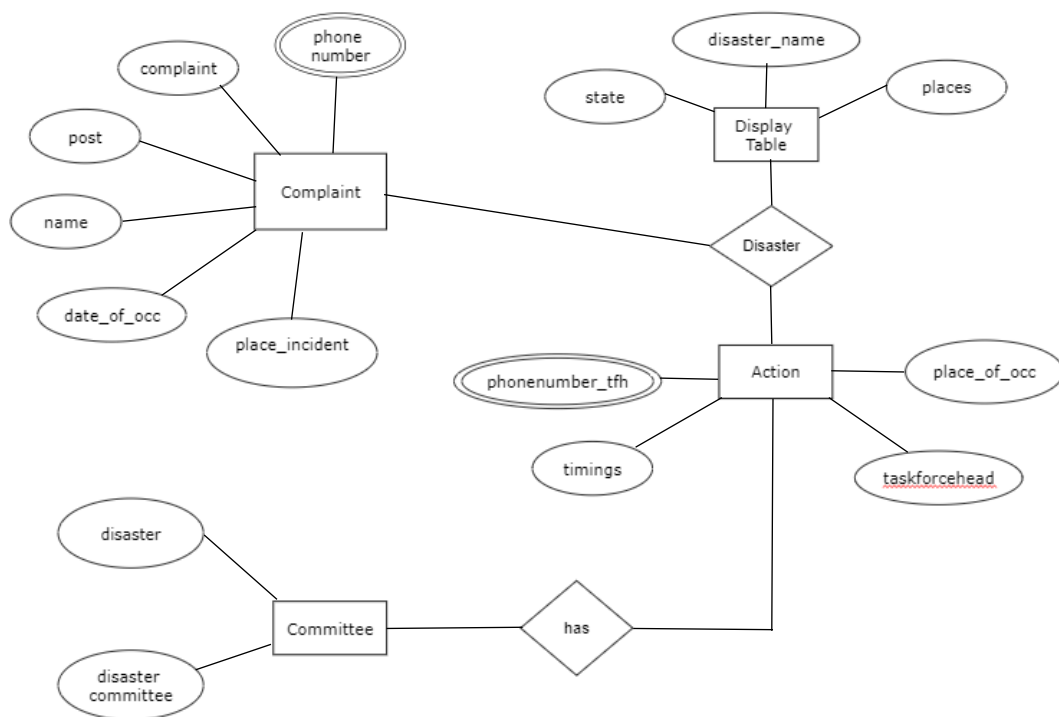
```
mysql> select * from respforce;
```

DisasterCommittee	TaskForceHead	contact
F Task Force	Raghu Kumar	9864532164
E Task Force	Charan Grover	9752496412
T Task Force	Rajni Kanth	6305512345
D Task Force	Ronak Randhawa	6302478901
L Task Force	Arjun kumar	6543789123
C Task Force	Vivek Sagar	7543298765
S Task Force	Sivakumar Sravan	9988664567
V Task Force	Karan Reddy	8855446781
W Task Force	Kamal Hassan	6557889442

```
9 rows in set (0.01 sec)
```

5. ER MODEL

The logical structure of a database can be expressed graphically by an E- R diagram consists of the following major components namely **Entity, Weak Entity, Attribute, Key Attribute, MultiAttribute, Derived Attribute and Relationships.**



6. IMPLEMENTATION

FRONT END PROGRAMMING AND CONNECTIVITY

Java Database Connectivity (JDBC) is an application programming interface (API) for the programming language Java, which defines how a client may access a database. It is a Java-based data access technology used for Java database connectivity. It is a part of the Java Edition platform, from Oracle Corporation. It provides methods to query and update data in a database and is oriented towards relational databases. The connection to the database can be performed using Java programming (JDBC API) as –

```
package dao;

import java.sql.*;

/**
 *
 * @author harsh
 */

public class ConnectionProvider {

    public static Connection getCon(){

        try{

            Class.forName("com.mysql.jdbc.Driver");

            Connection con =
            DriverManager.getConnection("jdbc:mysql://localhost:3306/drrms?useSSL
            =false","root","Harsh@982");

            return con;

        }

        catch(Exception e)

        {

            System.out.println(e);

            return null;

        }

    }

}
```

7. CODE

MainPage.java

```
package drrm;

/**
 *
 * @author harsh
 */
public class MainPage extends javax.swing.JFrame {

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

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

        regComplaint = new javax.swing.JButton();
        DisProne = new javax.swing.JButton();
        checkStatus = new javax.swing.JButton();
        adminlabel = new javax.swing.JLabel();
        Admin = new javax.swing.JButton();
        MainPageLabel = new javax.swing.JLabel();

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

        regComplaint.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
        regComplaint.setForeground(new java.awt.Color(0, 0, 102));
        regComplaint.setText("Register Complaint");
```

```

regComplaint.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        regComplaintActionPerformed(evt);
    }
});
getContentPane().add(regComplaint, new
org.netbeans.lib.awtextra.AbsoluteConstraints(200, 480, 486, -1));

```

```

DisProne.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
DisProne.setForeground(new java.awt.Color(0, 0, 102));
DisProne.setText("Disaster Prone Zones ");
DisProne.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        DisProneActionPerformed(evt);
    }
});
getContentPane().add(DisProne, new
org.netbeans.lib.awtextra.AbsoluteConstraints(200, 650, 486, -1));

```

```

checkStatus.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
checkStatus.setForeground(new java.awt.Color(0, 0, 102));
checkStatus.setText("Check Complaint Status");
checkStatus.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        checkStatusActionPerformed(evt);
    }
});
getContentPane().add(checkStatus, new
org.netbeans.lib.awtextra.AbsoluteConstraints(210, 830, -1, -1));

```

```

adminlabel.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
adminlabel.setForeground(new java.awt.Color(255, 255, 255));
adminlabel.setText("Admin Login");
getContentPane().add(adminlabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1550, 660, -1, -1));

```

```

Admin.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/icons/adminlogin.png"))); // NOI18N
Admin.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        AdminActionPerformed(evt);
    }
}

```



```

    });
    getContentPane().add(Admin, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1540, 450, -1, -1));

    MainPageLabel.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/Disaster Risk and
Redressal.jpg"))); // NOI18N
    MainPageLabel.setText("Label");
    getContentPane().add(MainPageLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));

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

private void regComplaintActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new RegComplaint().setVisible(true);
}

private void DisProneActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new DisasterProne().setVisible(true);
}

private void checkStatusActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new CheckStatus().setVisible(true);
}

private void AdminActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new Login().setVisible(true);
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look

```

and feel.

* For details see

<http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html>

*/

```
try {
    for (javax.swing.UIManager.LookAndFeelInfo info :
    javax.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    }
} catch (ClassNotFoundException ex) {

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

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

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

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

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

```

private javax.swing.JLabel MainPageLabel;
private javax.swing.JLabel adminlabel;
private javax.swing.JButton checkStatus;
private javax.swing.JButton regComplaint;
// End of variables declaration
}

```

Login.java

```

package drrm;

import javax.swing.JOptionPane;

/**
 *
 * @author harsh
 */
public class Login extends javax.swing.JFrame {

    /**
     * Creates new form Login
     */
    public Login() {
        initComponents();
    }
    public void clear(){
        UsernameField.setText("");
        PwdField.setText("");
        LoginBtn.setEnabled(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() {

        UsernameLabel = new javax.swing.JLabel();
        PwdLabel = new javax.swing.JLabel();

```

```

UsernameField = new javax.swing.JTextField();
PwdField = new javax.swing.JPasswordField();
BackBtn = new javax.swing.JButton();
LoginBtn = new javax.swing.JButton();
ViewCompDetBtn = new javax.swing.JButton();
LoginLabel = new javax.swing.JLabel();

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

UsernameLabel.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
UsernameLabel.setForeground(new java.awt.Color(0, 0, 102));
UsernameLabel.setText("Username");
getContentPane().add(UsernameLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(600, 360, 218, -1));

PwdLabel.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
PwdLabel.setForeground(new java.awt.Color(0, 0, 102));
PwdLabel.setText("Password");
getContentPane().add(PwdLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(610, 480, 218, -1));

UsernameField.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
UsernameField.setForeground(new java.awt.Color(0, 51, 102));
getContentPane().add(UsernameField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(900, 360, 411, -1));

PwdField.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
PwdField.setForeground(new java.awt.Color(0, 51, 102));
getContentPane().add(PwdField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(900, 480, 411, -1));

BackBtn.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
BackBtn.setForeground(new java.awt.Color(0, 51, 102));
BackBtn.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/icons/exit.png"))); // NOI18N
BackBtn.setText("Back");
BackBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BackBtnActionPerformed(evt);
    }
});

```

```

        getContentPane().add(BackBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1650, 100, -1, -1));

LoginBtn.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
LoginBtn.setForeground(new java.awt.Color(0, 0, 102));
LoginBtn.setText("Login");
LoginBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        LoginBtnActionPerformed(evt);
    }
});
        getContentPane().add(LoginBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(860, 650, -1, -1));

ViewCompDetBtn.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
ViewCompDetBtn.setForeground(new java.awt.Color(0, 0, 102));
ViewCompDetBtn.setText("View Complaint Details");
ViewCompDetBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        ViewCompDetBtnActionPerformed(evt);
    }
});
        getContentPane().add(ViewCompDetBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(710, 850, -1, -1));

LoginLabel.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/Admin Login.png"))); //
NOI18N
LoginLabel.setText("Label");
        getContentPane().add(LoginLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));

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

private void LoginBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(UsernameField.getText().equals("admin") &&
PwdField.getText().equals("admin") )
    {
        JOptionPane.showMessageDialog(null,"Logged in successfully!");
    }
}

```

```

        else
            JOptionPane.showMessageDialog(null,"Incorrect Username or Password!");
    }

    private void ViewCompDetBtnActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new ViewComplaintDetails().setVisible(true);
    }

    private void BackBtnActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        this.toBack();
        MainPage newFrame1 = new MainPage();
        newFrame1.setVisible(true);
        newFrame1.toFront();
    }

    /*private void ExitBtnActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        //int a = JOptionPane.showConfirmDialog(null,"Do you want to
exit?","Select",JOptionPane.YES_NO_OPTION);
        System.exit(0);
    }*/
    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels\(\)) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel\(info.getClassName\(\)\);
                    break;
                }
            }

```

```

    }
    } catch (ClassNotFoundException ex) {

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

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

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

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

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

// Variables declaration - do not modify
private javax.swing.JButton BackBtn;
private javax.swing.JButton LoginBtn;
private javax.swing.JLabel LoginLabel;
private javax.swing.JPasswordField PwdField;
private javax.swing.JLabel PwdLabel;
private javax.swing.JTextField UsernameField;
private javax.swing.JLabel UsernameLabel;
private javax.swing.JButton ViewCompDetBtn;
// End of variables declaration
}

```

DisasterProne.java

```

package drrm;

import dao.ConnectionProvider;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author harsh
 */
public class DisasterProne extends javax.swing.JFrame {

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

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

        StateLabel = new javax.swing.JLabel();
        StateField = new javax.swing.JTextField();
        EnterBtn = new javax.swing.JButton();
        jScrollPane1 = new javax.swing.JScrollPane();
        DisViewTable = new javax.swing.JTable();
        BackBtn = new javax.swing.JButton();
        DisProne = new javax.swing.JLabel();

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

```



```

        StateLabel.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
        StateLabel.setForeground(new java.awt.Color(0, 51, 51));
        StateLabel.setText("State");
        getContentPane().add(StateLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(530, 260, -1, -1));

        StateField.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
        getContentPane().add(StateField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(760, 250, 300, -1));

        EnterBtn.setFont(new java.awt.Font("Georgia", 1, 26)); // NOI18N
        EnterBtn.setText("Enter");
        EnterBtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                EnterBtnActionPerformed(evt);
            }
        });
        getContentPane().add(EnterBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1170, 260, -1, -1));

        DisViewTable.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));
        DisViewTable.setFont(new java.awt.Font("Georgia", 0, 36)); // NOI18N
        DisViewTable.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {

                },
            new String [] {
                "State", "Disaster Name", "Places"
            }
        ));
        DisViewTable.addComponentListener(new java.awt.event.ComponentAdapter() {
            public void componentResized(java.awt.event.ComponentEvent evt) {
                DisViewTableComponentResized(evt);
            }
        });
        jScrollPane1.setViewportViewView(DisViewTable);

        getContentPane().add(jScrollPane1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(150, 360, 1580, -1));

        BackBtn.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N

```

```

BackBtn.setForeground(new java.awt.Color(0, 51, 51));
BackBtn.setText("Back");
BackBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BackBtnActionPerformed(evt);
    }
});
getContentPane().add(BackBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1690, 80, -1, -1));

DisProne.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/Disaster Prone Zones.png")));
// NOI18N
DisProne.setText("Label");
getContentPane().add(DisProne, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));

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

private void EnterBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String state=StateField.getText();
    try{
        Connection con = ConnectionProvider.getCon();
        Statement st = con.createStatement();
        ResultSet rs=st.executeQuery("select * from display where state='"+state+"'");
        DisViewTable.setModel(DbUtils.resultSetToTableModel(rs));
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null,"No state exists!");
        setVisible(false);
    }
}

private void DisViewTableComponentResized(java.awt.event.ComponentEvent evt)
{
    // TODO add your handling code here:
    DisViewTable.setRowHeight(40);
    DisViewTable.setShowGrid(true);
}

```

```

private void BackBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.toBack();
    MainPage newFrame1 = new MainPage();
    newFrame1.setVisible(true);
    newFrame1ToFront();
}

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

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

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

```

```

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

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

// Variables declaration - do not modify
private javax.swing.JButton BackBtn;
private javax.swing.JLabel DisProne;
private javax.swing.JTable DisViewTable;
private javax.swing.JButton EnterBtn;
private javax.swing.JTextField StateField;
private javax.swing.JLabel StateLabel;
private javax.swing.JScrollPane jScrollPane1;
// End of variables declaration
}

```

CheckStatus.java

```

package drrm;

import dao.ConnectionProvider;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author harsh
 */
public class CheckStatus extends javax.swing.JFrame {

```

```

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

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

    ComplaintIdLabel = new javax.swing.JLabel();
    SubmitBtn1 = new javax.swing.JButton();
    ComplaintIdField = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    ActionTableView = new javax.swing.JTable();
    BackBtn = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();

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

    ComplaintIdLabel.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
    ComplaintIdLabel.setForeground(new java.awt.Color(255, 255, 255));
    ComplaintIdLabel.setText("Complaint Id");
    getContentPane().add(ComplaintIdLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(690, 390, -1, -1));

    SubmitBtn1.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
    SubmitBtn1.setForeground(new java.awt.Color(0, 51, 102));
    SubmitBtn1.setText("SUBMIT");
    SubmitBtn1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            SubmitBtn1ActionPerformed(evt);
        }
    });
    getContentPane().add(SubmitBtn1, new

```

```

org.netbeans.lib.awtextra.AbsoluteConstraints(870, 470, -1, -1));

ComplaintIdField.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
ComplaintIdField.setForeground(new java.awt.Color(0, 51, 102));
getContentPane().add(ComplaintIdField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1020, 380, 297, -1));

ActionTableView.setFont(new java.awt.Font("Georgia", 1, 22)); // NOI18N
ActionTableView.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

        },
    new String [] {
        "Task Force Head", "Contact", "Timings", "Disaster Committee"
    }
));
ActionTableView.addComponentListener(new
java.awt.event.ComponentAdapter() {
    public void componentResized(java.awt.event.ComponentEvent evt) {
        ActionTableViewComponentResized(evt);
    }
});
jScrollPane1.setViewportView(ActionTableView);

getContentPane().add(jScrollPane1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(90, 590, 1740, 370));

BackBtn.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
BackBtn.setForeground(new java.awt.Color(0, 51, 102));
BackBtn.setText("Back");
BackBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BackBtnActionPerformed(evt);
    }
});
getContentPane().add(BackBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1710, 60, -1, -1));

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

```

```

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

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

    private void BackBtnActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        this.toBack();
        MainPage newFrame1 = new MainPage();
        newFrame1.setVisible(true);
        newFrame1ToFront();
    }

    private void SubmitBtn1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String complaintid=ComplaintIdField.getText();
        try{
            Connection con = ConnectionProvider.getCon();
            Statement st = con.createStatement();
            ResultSet rs=st.executeQuery("select
TaskForceHead,Contact,Timings,DisasterCommittee from action where
cid='"+complaintid+"'");
            ActionTableView.setModel(DbUtils.resultSetToTableModel(rs));
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null,"No record exists!");
            setVisible(false);
        }
    }

    private void ActionTableViewComponentResized(java.awt.event.ComponentEvent
evt) {
        // TODO add your handling code here:
        ActionTableView.setRowHeight(40);
        ActionTableView.setShowGrid(true);
    }

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

```

```

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

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

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

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

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

```



```

// Variables declaration - do not modify
private javax.swing.JTable ActionTableView;
private javax.swing.JButton BackBtn;
private javax.swing.JTextField ComplaintIdField;
private javax.swing.JLabel ComplaintIdLabel;
private javax.swing.JButton SubmitBtn1;
private javax.swing.JLabel jLabel1;
private javax.swing.JScrollPane jScrollPane1;
// End of variables declaration
}

```

AssignResponseForce.java

```

package drrm;

import dao.ARFDao;
import dao.ConnectionProvider;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;
import model.ARFModel;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author harsh
 */
public class AssignResponseForce extends javax.swing.JFrame {

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

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

```

```

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

    AssRespLabel = new javax.swing.JLabel();
    jScrollPane1 = new javax.swing.JScrollPane();
    DisTable = new javax.swing.JTable();
    StateDisCom = new javax.swing.JLabel();
    StateDisComField = new javax.swing.JTextField();
    CidAssLabel = new javax.swing.JLabel();
    CompStateAssLabel = new javax.swing.JLabel();
    DisComAssLabel = new javax.swing.JLabel();
    TFHAssLabel = new javax.swing.JLabel();
    ContactAssLabel = new javax.swing.JLabel();
    TimingsAssLabel = new javax.swing.JLabel();
    CidAssField = new javax.swing.JTextField();
    CompStateField = new javax.swing.JTextField();
    TFHAssField = new javax.swing.JTextField();
    DisComComboBox = new javax.swing.JComboBox<>();
    ContactAssField = new javax.swing.JTextField();
    TimingsAssField = new javax.swing.JTextField();
    AssBtn = new javax.swing.JButton();
    EnterArfBtn = new javax.swing.JButton();
    BackAssBtn = new javax.swing.JButton();
    AssRespForLabel = new javax.swing.JLabel();

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

    AssRespLabel.setFont(new java.awt.Font("Century Gothic", 1, 58)); // NOI18N
    AssRespLabel.setForeground(new java.awt.Color(255, 255, 255));
    AssRespLabel.setText("Assigning Response Force");
    getContentPane().add(AssRespLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(640, 49, -1, -1));

    DisTable.setFont(new java.awt.Font("Georgia", 0, 24)); // NOI18N
    DisTable.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {

            },

```

```

        new String [] {
            "Disaster", "Disaster Committee"
        }
    ));
    DisTable.addComponentListener(new java.awt.event.ComponentAdapter() {
        public void componentResized(java.awt.event.ComponentEvent evt) {
            DisTableComponentResized(evt);
        }
    });
    jScrollPane1.setViewportViewView(DisTable);

    getContentPane().add(jScrollPane1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1390, 350, -1, -1));

    StateDisCom.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
    StateDisCom.setForeground(new java.awt.Color(255, 255, 255));
    StateDisCom.setText("State");
    getContentPane().add(StateDisCom, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1400, 230, -1, -1));

    StateDisComField.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
    StateDisComField.setForeground(new java.awt.Color(0, 51, 102));
    getContentPane().add(StateDisComField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1570, 230, 251, -1));

    CidAssLabel.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
    CidAssLabel.setForeground(new java.awt.Color(255, 255, 255));
    CidAssLabel.setText("CID");
    getContentPane().add(CidAssLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(140, 260, 327, -1));

    CompStateAssLabel.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
    CompStateAssLabel.setForeground(new java.awt.Color(255, 255, 255));
    CompStateAssLabel.setText("Complaint State");
    getContentPane().add(CompStateAssLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(140, 364, 327, -1));

    DisComAssLabel.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
    DisComAssLabel.setForeground(new java.awt.Color(255, 255, 255));
    DisComAssLabel.setText("Disaster Committee");
    getContentPane().add(DisComAssLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(140, 456, -1, -1));

```

```

TFHAssLabel.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
TFHAssLabel.setForeground(new java.awt.Color(255, 255, 255));
TFHAssLabel.setText("Task Force Head");
getContentPane().add(TFHAssLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(140, 559, 327, -1));

```

```

ContactAssLabel.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
ContactAssLabel.setForeground(new java.awt.Color(255, 255, 255));
ContactAssLabel.setText("Contact");
getContentPane().add(ContactAssLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(140, 659, 327, -1));

```

```

TimingsAssLabel.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
TimingsAssLabel.setForeground(new java.awt.Color(255, 255, 255));
TimingsAssLabel.setText("Timings");
getContentPane().add(TimingsAssLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(140, 752, 327, -1));

```

```

CidAssField.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
CidAssField.setForeground(new java.awt.Color(0, 51, 102));
getContentPane().add(CidAssField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(650, 255, 490, -1));

```

```

CompStateField.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
CompStateField.setForeground(new java.awt.Color(0, 51, 102));
getContentPane().add(CompStateField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(650, 359, 490, -1));

```

```

TFHAssField.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
TFHAssField.setForeground(new java.awt.Color(0, 51, 102));
getContentPane().add(TFHAssField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(650, 554, 490, -1));

```

```

DisComComboBox.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
DisComComboBox.setForeground(new java.awt.Color(0, 51, 102));
DisComComboBox.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "F Task Force", "E Task Force", "T Task Force", "D Task Force", "L Task
Force", "C Task Force", "S Task Force", "V Task Force", "W Task Force" }));
getContentPane().add(DisComComboBox, new
org.netbeans.lib.awtextra.AbsoluteConstraints(650, 456, 490, -1));

```

```

ContactAssField.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
ContactAssField.setForeground(new java.awt.Color(0, 51, 102));
getContentPane().add(ContactAssField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(650, 649, 490, -1));

TimingsAssField.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
TimingsAssField.setForeground(new java.awt.Color(0, 51, 102));
getContentPane().add(TimingsAssField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(650, 747, 490, -1));

AssBtn.setFont(new java.awt.Font("Georgia", 1, 32)); // NOI18N
AssBtn.setForeground(new java.awt.Color(0, 51, 102));
AssBtn.setText("ASSIGN");
AssBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        AssBtnActionPerformed(evt);
    }
});
getContentPane().add(AssBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(470, 910, -1, -1));

EnterArfBtn.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
EnterArfBtn.setForeground(new java.awt.Color(0, 51, 102));
EnterArfBtn.setText("Enter");
EnterArfBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        EnterArfBtnActionPerformed(evt);
    }
});
getContentPane().add(EnterArfBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1550, 290, -1, -1));

BackAssBtn.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
BackAssBtn.setForeground(new java.awt.Color(0, 51, 102));
BackAssBtn.setText("Back");
BackAssBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BackAssBtnActionPerformed(evt);
    }
});
getContentPane().add(BackAssBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1680, 100, -1, -1));

```

```

        AssRespForLabel.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/Assign Response
Force.png"))); // NOI18N
        AssRespForLabel.setText("Label");
        getContentPane().add(AssRespForLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));

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

    private void EnterArfBtnActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String state=StateDisComField.getText();
        try{
            Connection con = ConnectionProvider.getCon();
            Statement st = con.createStatement();
            ResultSet rs=st.executeQuery("select DisasterName,DisasterCommittee from
discom where state='"+state+"'");
            DisTable.setModel(DbUtils.resultSetToTableModel(rs));
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null,"No state exists!");
            setVisible(false);
        }
    }

    private void DisTableComponentResized(java.awt.event.ComponentEvent evt) {
        // TODO add your handling code here:
        DisTable.setRowHeight(40);
        DisTable.setShowGrid(true);
    }

    private void AssBtnActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        //String query1 = "insert into
action(Cid,ComplaintState,DisasterCommittee,TaskForceHead,Contact,Timings)
values('"+reg.getcid()+"','"+reg.getcomplaintstate()+"','"+reg.getdiscommitte()+"','"+reg
.gettaskforcehead()+"','"+reg.getcontact()+"','"+reg.gettimings()+"");
        //DbOperations.setDataorDelete(query1,"ResponseForce assigned
Successfully!!");
        try{

```

```

        ARFModel reg =new ARFModel();
        reg.setCid(CidAssField.getText());
        reg.setComplaintstate(CompStateField.getText());
        reg.setDiscommittee(DisComComboBox.getSelectedItem().toString());
        reg.setTaskforcehead(TFHAssField.getText());
        reg.setContact(ContactAssField.getText());
        reg.setTimings(TimingsAssField.getText());

        ARFDao.assign(reg);
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null,"Enter all fields");
        setVisible(false);
    }
}

private void BackAssBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.toBack();
    ViewComplaintDetails newFrame2 = new ViewComplaintDetails();
    newFrame2.setVisible(true);
    newFrame2.toFront();
}

/**
 * @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(Main.class).log(java.util.logging.Level.SEVERE,
"Could not load a UI implementation.", ex);
    }
    catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Main.class).log(java.util.logging.Level.SEVERE,
"Could not instantiate a_UI.", ex);
    }
    catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Main.class).log(java.util.logging.Level.SEVERE,
"Could not access a UI class.", ex);
    }
    finally {
        new Main().setVisible(true);
    }
}

```

```

        }
    }
} catch (ClassNotFoundException ex) {

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

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

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

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

// Variables declaration - do not modify
private javax.swing.JButton AssBtn;
private javax.swing.JLabel AssRespForLabel;
private javax.swing.JLabel AssRespLabel;
private javax.swing.JButton BackAssBtn;
private javax.swing.JTextField CidAssField;
private javax.swing.JLabel CidAssLabel;
private javax.swing.JLabel CompStateAssLabel;
private javax.swing.JTextField CompStateField;
private javax.swing.JTextField ContactAssField;
private javax.swing.JLabel ContactAssLabel;
private javax.swing.JLabel DisComAssLabel;
private javax.swing.JComboBox<String> DisComComboBox;

```



```

private javax.swing.JTable DisTable;
private javax.swing.JButton EnterArfBtn;
private javax.swing.JLabel StateDisCom;
private javax.swing.JTextField StateDisComField;
private javax.swing.JTextField TFHAssField;
private javax.swing.JLabel TFHAssLabel;
private javax.swing.JTextField TimingsAssField;
private javax.swing.JLabel TimingsAssLabel;
private javax.swing.JScrollPane jScrollPane1;
// End of variables declaration
}

```

RegComplaint.java

```

package drrm;

import dao.ConnectionProvider;
import dao.DbOperations;
import dao.RegCompDao;
import drrm.RegComplaint;
import java.awt.Image;
import java.io.File;
import java.io.FileInputStream;
import java.io.InputStream;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.ImageIcon;
import javax.swing.JFileChooser;
import javax.swing.JLabel;
import javax.swing.JOptionPane;
import javax.swing.filechooser.FileNameExtensionFilter;
import model.RegCompModel;
/**
 *
 * @author harsh
 */
public class RegComplaint extends javax.swing.JFrame {

/**

```

```

    * Creates new form RegComplaint
    */
    String imagePth = null;
    ImageIcon imageicon = new ImageIcon(imagePth);
    public RegComplaint() {
        initComponents();
    }

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

        NameLabel = new javax.swing.JLabel();
        PhoneLabel = new javax.swing.JLabel();
        StateRCLabel = new javax.swing.JLabel();
        PlaceIncLabel = new javax.swing.JLabel();
        DisasterLabel = new javax.swing.JLabel();
        ComplaintLabel = new javax.swing.JLabel();
        PostLabel = new javax.swing.JLabel();
        DateLabel = new javax.swing.JLabel();
        UploadBtn = new javax.swing.JButton();
        SubmitBtn = new javax.swing.JButton();
        NameField = new javax.swing.JTextField();
        PhoneField = new javax.swing.JTextField();
        StateField = new javax.swing.JTextField();
        PlaceField = new javax.swing.JTextField();
        DisComboBox = new javax.swing.JComboBox<>();
        jScrollPane1 = new javax.swing.JScrollPane();
        CompTextArea = new javax.swing.JTextArea();
        PicProofLabel = new javax.swing.JLabel();
        DateField = new javax.swing.JTextField();
        CidLabel = new javax.swing.JLabel();
        CidField = new javax.swing.JTextField();
        BackBtn = new javax.swing.JButton();
        RegCompLabel = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

```

```

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

NameLabel.setFont(new java.awt.Font("Georgia", 1, 28)); // NOI18N
NameLabel.setForeground(new java.awt.Color(255, 255, 255));
NameLabel.setText("Name");
getContentPane().add(NameLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(270, 330, 253, -1));

PhoneLabel.setFont(new java.awt.Font("Georgia", 1, 28)); // NOI18N
PhoneLabel.setForeground(new java.awt.Color(255, 255, 255));
PhoneLabel.setText("Phone Number");
getContentPane().add(PhoneLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(270, 400, 253, -1));

StateRCLabel.setFont(new java.awt.Font("Georgia", 1, 28)); // NOI18N
StateRCLabel.setForeground(new java.awt.Color(255, 255, 255));
StateRCLabel.setText("State");
getContentPane().add(StateRCLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(270, 470, 253, -1));

PlaceIncLabel.setFont(new java.awt.Font("Georgia", 1, 28)); // NOI18N
PlaceIncLabel.setForeground(new java.awt.Color(255, 255, 255));
PlaceIncLabel.setText("Place of Incident");
getContentPane().add(PlaceIncLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(270, 530, 253, -1));

DisasterLabel.setFont(new java.awt.Font("Georgia", 1, 28)); // NOI18N
DisasterLabel.setForeground(new java.awt.Color(255, 255, 255));
DisasterLabel.setText("Disaster");
getContentPane().add(DisasterLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(270, 590, 253, -1));

ComplaintLabel.setFont(new java.awt.Font("Georgia", 1, 28)); // NOI18N
ComplaintLabel.setForeground(new java.awt.Color(255, 255, 255));
ComplaintLabel.setText("Complaint");
getContentPane().add(ComplaintLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(270, 690, 253, -1));

PostLabel.setFont(new java.awt.Font("Georgia", 1, 28)); // NOI18N
PostLabel.setForeground(new java.awt.Color(255, 255, 255));
PostLabel.setText("Picture Proof");
getContentPane().add(PostLabel, new

```

```

org.netbeans.lib.awtextra.AbsoluteConstraints(270, 890, 253, -1));

    DateLabel.setFont(new java.awt.Font("Georgia", 1, 28)); // NOI18N
    DateLabel.setForeground(new java.awt.Color(255, 255, 255));
    DateLabel.setText("Date");
    getContentPane().add(DateLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1340, 830, -1, -1));

    UploadBtn.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
    UploadBtn.setForeground(new java.awt.Color(0, 0, 102));
    UploadBtn.setText("Upload");
    UploadBtn.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            UploadBtnActionPerformed(evt);
        }
    });
    getContentPane().add(UploadBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(290, 960, -1, -1));

    SubmitBtn.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
    SubmitBtn.setForeground(new java.awt.Color(0, 0, 102));
    SubmitBtn.setText("SUBMIT");
    SubmitBtn.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            SubmitBtnActionPerformed(evt);
        }
    });
    getContentPane().add(SubmitBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1400, 950, -1, -1));

    NameField.setFont(new java.awt.Font("Georgia", 1, 26)); // NOI18N
    NameField.setForeground(new java.awt.Color(0, 51, 102));
    getContentPane().add(NameField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(570, 330, 490, -1));

    PhoneField.setFont(new java.awt.Font("Georgia", 1, 26)); // NOI18N
    PhoneField.setForeground(new java.awt.Color(0, 51, 102));
    getContentPane().add(PhoneField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(570, 390, 490, -1));

    StateField.setFont(new java.awt.Font("Georgia", 1, 26)); // NOI18N
    StateField.setForeground(new java.awt.Color(0, 51, 102));

```

```

StateField.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        StateFieldActionPerformed(evt);
    }
});
getContentPane().add(StateField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(570, 460, 490, -1));

PlaceField.setFont(new java.awt.Font("Georgia", 1, 26)); // NOI18N
PlaceField.setForeground(new java.awt.Color(0, 51, 102));
getContentPane().add(PlaceField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(570, 530, 490, -1));

DisComboBox.setFont(new java.awt.Font("Georgia", 1, 26)); // NOI18N
DisComboBox.setForeground(new java.awt.Color(0, 51, 102));
DisComboBox.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Flood", "Earthquake", "Tsunami", "Drought", "Landslide", "Cyclone",
"Volcanic Erruption", "Wildfire", " " }));
DisComboBox.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        DisComboBoxActionPerformed(evt);
    }
});
getContentPane().add(DisComboBox, new
org.netbeans.lib.awtextra.AbsoluteConstraints(570, 590, 490, -1));

CompTextArea.setColumns(20);
CompTextArea.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
CompTextArea.setRows(5);
jScrollPane1.setViewportView(CompTextArea);

getContentPane().add(jScrollPane1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(570, 670, 490, 150));

PicProofLabel.setForeground(new java.awt.Color(255, 255, 255));
PicProofLabel.addComponentListener(new java.awt.event.ComponentAdapter() {
    public void componentShown(java.awt.event.ComponentEvent evt) {
        PicProofLabelComponentShown(evt);
    }
});
getContentPane().add(PicProofLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(570, 850, 490, 170));

```

```

        DateField.setFont(new java.awt.Font("Georgia", 1, 26)); // NOI18N
        DateField.setForeground(new java.awt.Color(0, 0, 102));
        getContentPane().add(DateField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1470, 830, 254, -1));

        CidLabel.setFont(new java.awt.Font("Georgia", 1, 28)); // NOI18N
        CidLabel.setForeground(new java.awt.Color(255, 255, 255));
        CidLabel.setText("CID");
        getContentPane().add(CidLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(270, 270, -1, -1));

        CidField.setFont(new java.awt.Font("Georgia", 1, 26)); // NOI18N
        CidField.setForeground(new java.awt.Color(0, 51, 102));
        getContentPane().add(CidField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(570, 260, 490, -1));

        BackBtn.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
        BackBtn.setForeground(new java.awt.Color(0, 51, 102));
        BackBtn.setText("Back");
        BackBtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                BackBtnActionPerformed(evt);
            }
        });
        getContentPane().add(BackBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1610, 110, -1, -1));

        RegCompLabel.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/Register Complaint.png"))); //
NOI18N
        RegCompLabel.setText("Label");
        getContentPane().add(RegCompLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));

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

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

```

```

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

private void UploadBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    /*JFileChooser filec = new JFileChooser();
        filec.setCurrentDirectory(new File(System.getProperty("user.home")));

        FileNameExtensionFilter fileFilter = new
FileNameExtensionFilter("*.Images", "jpg", "png", "gif");
        filec.addChoosableFileFilter(fileFilter);
        int fileState = filec.showSaveDialog(null);
        if(fileState == JFileChooser.APPROVE_OPTION)
        {
            File selectedFile = filec.getSelectedFile();
            String path = selectedFile.getAbsolutePath();
            imagePth = path;
            PicProofLabel.setIcon(new ImageIcon(path));
            PicProofLabel.setIcon(resizePic(path));
        }
        else if(fileState == JFileChooser.CANCEL_OPTION)
        {
            System.out.println("No Image Selected");
        }*/

JFileChooser jfile = new JFileChooser();

        jfile.setCurrentDirectory (new File (System.getProperty("user.home")));

        FileNameExtensionFilter filter = new FileNameExtensionFilter("Image",
"jpg", "png");

        jfile.addChoosableFileFilter(filter);

        int result = jfile.showSaveDialog (null);

        File selectedFile = jfile.getSelectedFile();

        String filename = selectedFile.getName();

        if

```

```

(filename.endsWith(".jpg")||filename.endsWith(".JPG")||filename.endsWith("PNG")||fil
ename.endsWith(".png")||filename.endsWith(".jpeg")) {
    if (result == JFileChooser. APPROVE_OPTION) {
        String path = selectedFile.getAbsolutePath();

        ImageIcon myImage = new ImageIcon(path);

        Image img = myImage.getImage();

        Image newImage = img.getScaledInstance
(PicProofLabel.getWidth(), PicProofLabel.getHeight(), Image. SCALE_SMOOTH);

        ImageIcon image = new ImageIcon(newImage);
        PicProofLabel.setIcon(image);
        FileInputStream fis= null;

        try{

            Connection con = ConnectionProvider.getCon();

            fis = new FileInputStream (path);

            PreparedStatement pat;
            pat = con.prepareStatement ("INSERT INTO complaint (picture
values (?));

            pat.setBinaryStream(1, fis);

            int response =
JOptionPane.showConfirmDialog(rootPane, "Are You Sure To Save Image",
"Confirm", JOptionPane. YES_NO_OPTION);

            if (response == 0) {

                int record = pat.executeUpdate();

                if (record == 1) {

JOptionPane.showMessageDialog(rootPane, "Data is stored..", "Ok Done", 1);

                }else{

```



```

JOptionPane.showMessageDialog(rootPane, "Sorry.", "Can't Store Image", 1);

        }
    }
    if (response == 1) {

        JOptionPane.showMessageDialog (rootPane,
"Cancelled By User..", "Cancel..",1);
    }
    }catch (Exception ex) {
        System.out.println(""+ex);
    }
}
}
}

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

private void SubmitBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    //Connection con = ConnectionProvider.getCon();
    //Statement st = con.createStatement();
    //ResultSet rs=st.executeQuery("select * from display where state='"+state+"'");
    try{
        RegCompModel reg =new RegCompModel();
        reg.setCid(CidField.getText());
        reg.setName (NameField.getText());
        reg.setPhonenumber(PhoneField.getText());
        reg.setState(StateField.getText());
        reg.setPlaceofincident(PlaceField.getText());
        reg.setDisastername(DisComboBox.getSelectedItem().toString());
        reg.setComplaint(CompTextArea.getText());
        reg.setDate(DateField.getText());
        //FileInputStream img = new FileInputStream(new File(imagePth));
        //img.setBinaryStream();
        //reg.setPicproof();
        //reg.setPicproof(PicProofLabel.getAccessibleContext());

        RegCompDao.submit(reg);
    }
}

```

```

    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null,"Enter all fields");
        setVisible(false);
    }
}

private void BackBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.toBack();
    MainPage newFrame1 = new MainPage();
    newFrame1.setVisible(true);
    newFrame1.toFront();
}

public ImageIcon resizePic(String picPath)
{
    ImageIcon myImg = new ImageIcon(picPath);
    Image img = myImg.getImage().getScaledInstance(PicProofLabel.getWidth(),
PicProofLabel.getHeight(), Image.SCALE_SMOOTH);
    ImageIcon myPicture = new ImageIcon(img);
    return myPicture;
}
/**
 * @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(RegComplaint.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

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

// Variables declaration - do not modify
private javax.swing.JButton BackBtn;
private javax.swing.JTextField CidField;
private javax.swing.JLabel CidLabel;
private javax.swing.JTextArea CompTextArea;
private javax.swing.JLabel ComplaintLabel;
private javax.swing.JTextField DateField;
private javax.swing.JLabel DateLabel;
private javax.swing.JComboBox<String> DisComboBox;
private javax.swing.JLabel DisasterLabel;
private javax.swing.JTextField NameField;
private javax.swing.JLabel NameLabel;
private javax.swing.JTextField PhoneField;
private javax.swing.JLabel PhoneLabel;

```

```

private javax.swing.JLabel PicProofLabel;
private javax.swing.JTextField PlaceField;
private javax.swing.JLabel PlaceIncLabel;
private javax.swing.JLabel PostLabel;
private javax.swing.JLabel RegCompLabel;
private javax.swing.JTextField StateField;
private javax.swing.JLabel StateRCLabel;
private javax.swing.JButton SubmitBtn;
private javax.swing.JButton UploadBtn;
private javax.swing.JScrollPane jScrollPane1;
// End of variables declaration
}

```

ViewComplaintDetails.java

```

package drrm;

import dao.ConnectionProvider;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;

/**
 *
 * @author harsh
 */
public class ViewComplaintDetails extends javax.swing.JFrame {

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

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

```

```

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

    DateCompLabel = new javax.swing.JLabel();
    StateCompLabel = new javax.swing.JLabel();
    DateCompField = new javax.swing.JTextField();
    StateCompField = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    ViewTable = new javax.swing.JTable();
    jLabel2 = new javax.swing.JLabel();
    AssRespForBtn = new javax.swing.JButton();
    BackBtn = new javax.swing.JButton();
    EnterBtn = new javax.swing.JButton();
    ViewComp = new javax.swing.JLabel();

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

    DateCompLabel.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
    DateCompLabel.setForeground(new java.awt.Color(255, 255, 255));
    DateCompLabel.setText("Date");
    getContentPane().add(DateCompLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(480, 230, -1, -1));

    StateCompLabel.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
    StateCompLabel.setForeground(new java.awt.Color(255, 255, 255));
    StateCompLabel.setText("State");
    getContentPane().add(StateCompLabel, new
org.netbeans.lib.awtextra.AbsoluteConstraints(490, 310, -1, -1));

    DateCompField.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
    DateCompField.setForeground(new java.awt.Color(0, 51, 102));
    getContentPane().add(DateCompField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(660, 230, 420, -1));

    StateCompField.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
    StateCompField.setForeground(new java.awt.Color(0, 51, 102));
    getContentPane().add(StateCompField, new
org.netbeans.lib.awtextra.AbsoluteConstraints(660, 310, 420, -1));

```

```

ViewTable.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
ViewTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

        },
        new String [] {
            "CID", "Name", "Phone Number", "Complaint", "Place of incident", "Picture
of Proof"
        }
    ));
jScrollPane1.setViewportView(ViewTable);

getContentPane().add(jScrollPane1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(100, 482, 1719, -1));

jLabel2.setFont(new java.awt.Font("Century Gothic", 1, 60)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("View Complaint Details");
getContentPane().add(jLabel2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(681, 60, -1, -1));

AssRespForBtn.setFont(new java.awt.Font("Georgia", 1, 36)); // NOI18N
AssRespForBtn.setForeground(new java.awt.Color(0, 51, 102));
AssRespForBtn.setText("Assign Response Force");
AssRespForBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        AssRespForBtnActionPerformed(evt);
    }
});
getContentPane().add(AssRespForBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1280, 260, -1, -1));

BackBtn.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
BackBtn.setForeground(new java.awt.Color(0, 51, 102));
BackBtn.setText("Back");
BackBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BackBtnActionPerformed(evt);
    }
});
getContentPane().add(BackBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1690, 90, -1, -1));

```

```

EnterBtn.setFont(new java.awt.Font("Georgia", 1, 24)); // NOI18N
EnterBtn.setForeground(new java.awt.Color(0, 51, 102));
EnterBtn.setText("Enter");
EnterBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        EnterBtnActionPerformed(evt);
    }
});
getContentPane().add(EnterBtn, new
org.netbeans.lib.awtextra.AbsoluteConstraints(804, 408, -1, -1));

ViewComp.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/View Complaint
Details.png"))); // NOI18N
ViewComp.setText("Label");
getContentPane().add(ViewComp, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));

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

```

```

private void AssRespForBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new AssignResponseForce().setVisible(true);
}

```

```

private void BackBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.toBack();
    Login newFrame2 = new Login();
    newFrame2.setVisible(true);
    newFrame2.toFront();
}

```

```

private void EnterBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String date=DateCompField.getText();
    String state=StateCompField.getText();
    try{
        Connection con = ConnectionProvider.getCon();
        Statement st = con.createStatement();
    }
}

```

```

        ResultSet rs=st.executeQuery("select * from complaint where
date_inc='"+date+"' and state='"+state+"'");
        ViewTable.setModel(DbUtils.resultSetToTableModel(rs));
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null,"No record exists!");
        setVisible(false);
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    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(ViewComplaintDetails.class.getName()).log(java.ut
il.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

```



```

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

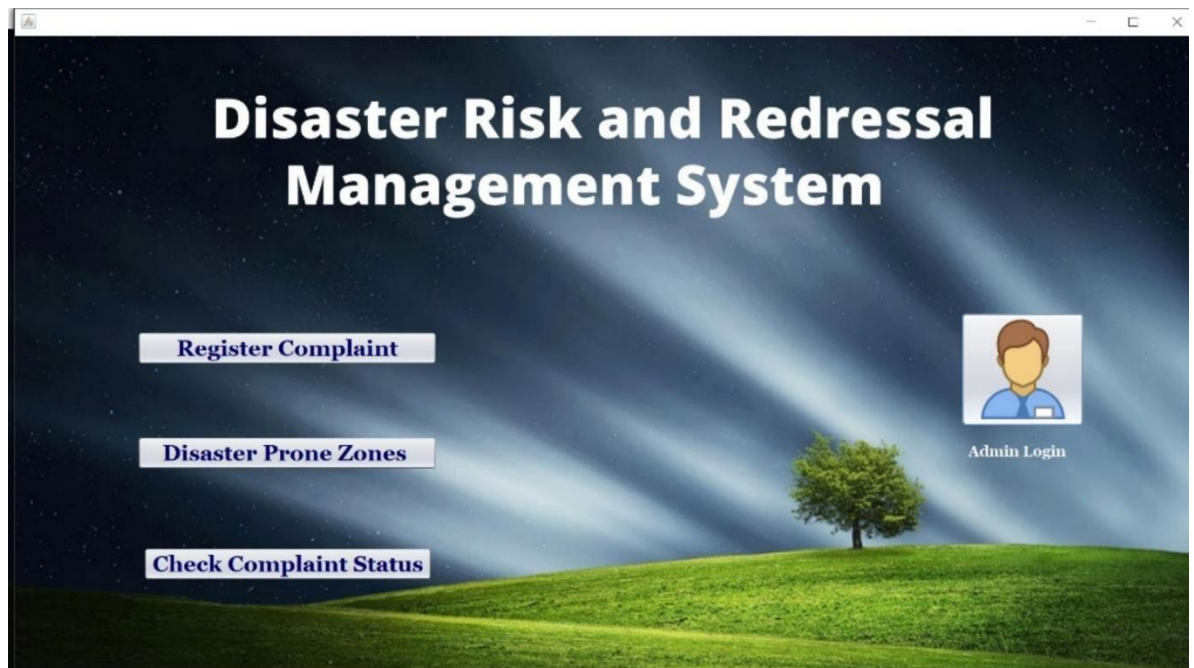
java.util.logging.Logger.getLogger(ViewComplaintDetails.class.getName()).log(java.ut
il.logging.Level.SEVERE, null, ex);
    }
//</editor-fold>

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

// Variables declaration - do not modify
private javax.swing.JButton AssRespForBtn;
private javax.swing.JButton BackBtn;
private javax.swing.JTextField DateCompField;
private javax.swing.JLabel DateCompLabel;
private javax.swing.JButton EnterBtn;
private javax.swing.JTextField StateCompField;
private javax.swing.JLabel StateCompLabel;
private javax.swing.JLabel ViewComp;
private javax.swing.JTable ViewTable;
private javax.swing.JLabel jLabel2;
private javax.swing.JScrollPane jScrollPane1;
// End of variables declaration
}

```

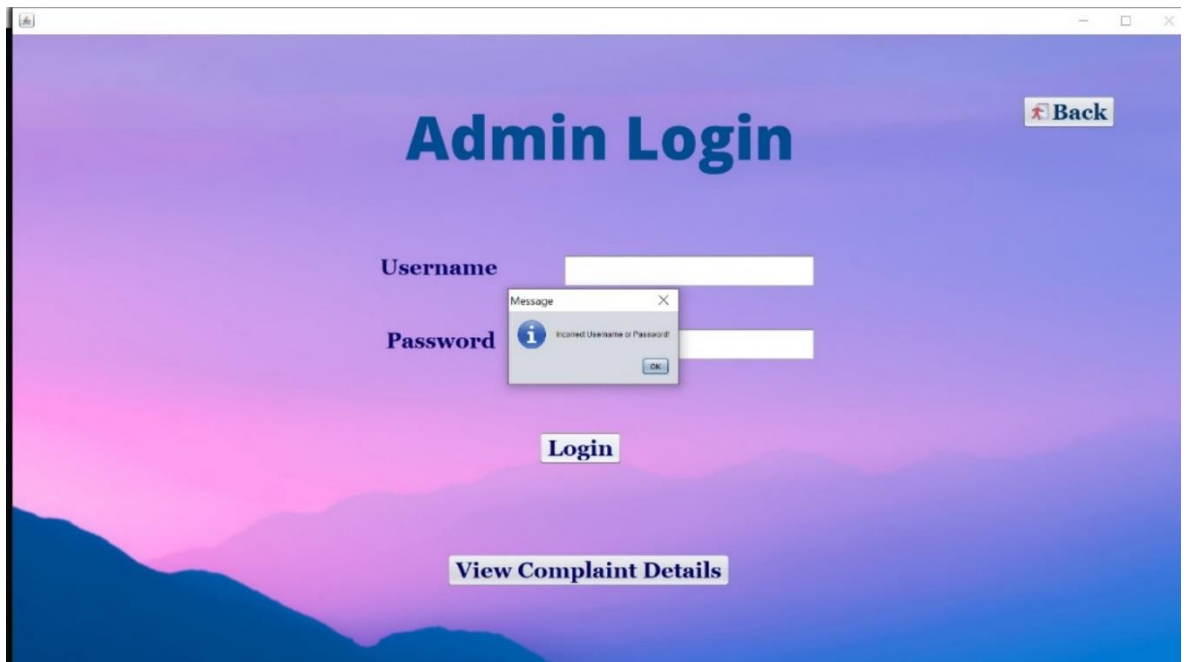
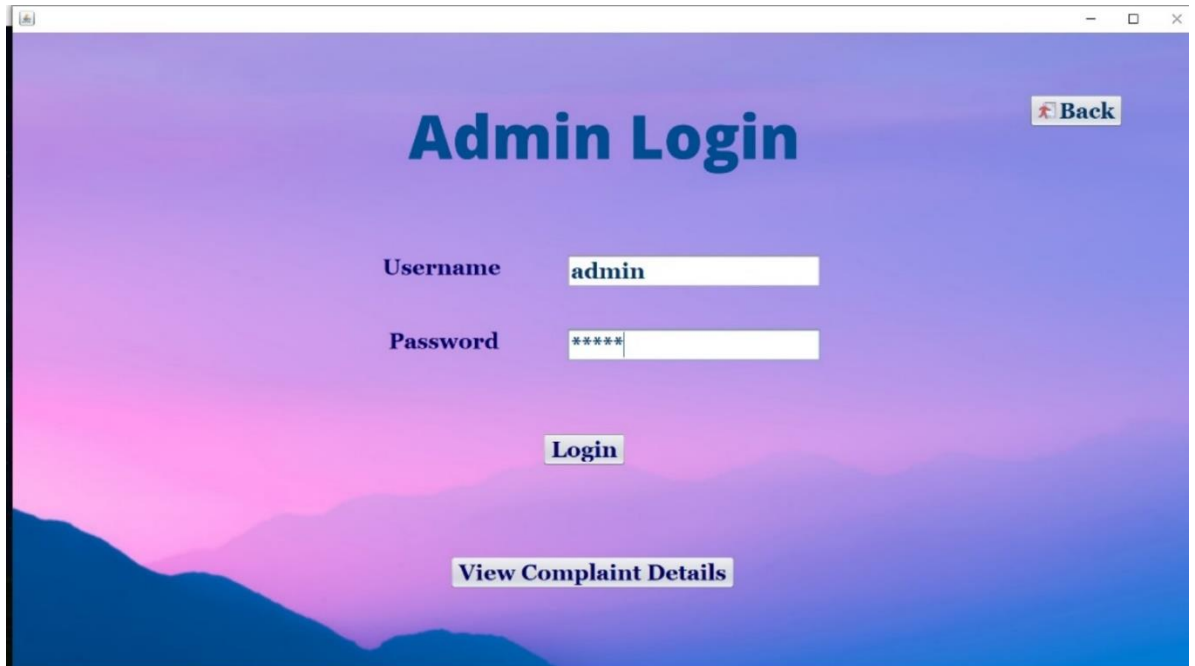
8. Output Screenshots



The screenshot displays the 'Register Complaint' form. The form fields are as follows:

Field	Value
CID	Mah260622
Name	Ronak
Phone Number	9988776655
State	Maharashtra
Place of Incident	Mumbai
Disaster	Earthquake
Complaint	Tremors near my home
Picture Proof	
Date	2022-06-26

Additional elements include a 'Back' button at the top right, a 'SUBMIT' button at the bottom right, and an 'Upload' button below the 'Picture Proof' field. A decorative icon of a document with an exclamation mark is also present on the right side.



View Complaint Details

Back

Date

2022-06-26

Assign Response Force

State

Maharashtra

Enter

id	name	phoneNumber	state	placeid	disastername	complaint	phone	date_rec
Mah260622	Ronak	9988776655	Maharashtra	Mumbai	Earthquake	Tremors near...	1B@47fa1611	2022-06-26

Assigning Response Force

Back

CID

Mah260622

State

Maharashtra

Complaint State

Maharashtra

Disaster Committee

E Task Force

Task Force Head

Charan Grover

Contact

9752496412

Timings

21:30:00

Enter

DisasterName	DisasterCommittee
Flood	F Task Force
Earthquake	E Task Force
Volcanic Eruption	V Task Force
Wildfire	W Task Force

ASSIGN

Assigning Response Force

CID

Complaint State

Disaster Committee

Task Force Head

Contact

Timings

ASSIGN

State

Enter

DisasterName	DisasterCommittee
Flood	F Task Force
Earthquake	E Task Force
Volcanic Eruption	V Task Force
Wildfire	W Task Force

Message

Assigned Task Force Successfully!

OK

✓ Check Complaint Status

Complaint Id

SUBMIT

TaskForceHead	Contact	Timings	DisasterCommittee
Charan Grover	9752496412	21:30:00	E Task Force

9. CONCLUSION

The Disaster Risk and Redressal Management System project enables us with good skills regarding Data Base managing and enhanced the skills of how efficiently one must handle data without any anomalies erupted. In future, we try to build few more data models to up scale the current functionalities and make sure the system efficiency is increase.

10.FUTURE SCOPE OF PROJECT

Our future work includes incorporating more features into our project. Other than this, we want to incorporate many employees who will have access over the application and assign the work so that time is saved. This project can be further improved by converting it into a Web Application using Python and the Django Framework or a Mobile Application using Flutter or React Native.

11.REFERENCES

- Abraham Silberschatz, Henry F Korth, S. Sudarshan, Database System Concepts, 6th Edition, McGraw-Hill International Edition, 2010.
- Database Management Systems, Raghu Ramakrishnan, Johannes Gehrke, 3rd Edition, McGraw-Hill International Edition, 2003.
- https://docs.oracle.com/cd/E11882_01/server.112/e40540/oc.htm