**CHAPTER ONE**

**1.1 INTRODUCTION**

Rules and regulations are paramount to all aspects of life and it accommodates both how one wishes to live, and how others should accommodate one’s lifestyle. Proponents have asserted that crime which is a violation against laws of the society, is integral to the human nature and hence the society can never be completely free from it. Modern society is characterized by increasing levels of risk posed by internal and external security threats. Within this context, security driven by technology is increasingly being used by government, corporate bodies and individuals to monitor and reduce risk.

The widely employed Crime Record Management method in the Nigerian Police Force (NPF) is the manual process. This approach entails the use of paper files in the documentation of criminal information by the NPF. A complainant fills in a First Information Report [FIR] form which includes his or her statement concerning the accused. When the accused is brought in, their details are handwritten into case files. Prior to the advent of computers, these files were kept in wooden or metal wardrobes under lock and key. This was susceptible to damage by pest and unfavorable environmental conditions.

In recent years, as a result of the global rise in application of computers in various aspects of life, desktop applications such as Microsoft Excel were adopted, thereby causing the approach to become both manual and slightly computerized in Nigeria. However, this method of record keeping results in inconsistencies, wastage of disk space and poor control and coordination of data. The employment of this method results from reasons such as:

1. Inadequate funding
2. Corruption and extortion and
3. Lack of necessary skills and resources for statistical and information management.

**Criminal Records Management System**

This system was aimed at the implementation of a Criminal Records Management System. It is a database system in which the police keep the record of criminals who have been arrested, to be arrested, or escaped. This will help the police department in enhanced management of information. The main entities in the whole process include; the petitioner (the person who files a First Incident Report (FIR)), victim, accused or criminal, case, and investigating officer. The CRMS keeps records of the petitioner, victim, accused, FIR, case and investigation officer entities.

The system’s strengths lay in that it allows for storage of multiple data for a criminal. A weakness observed in the system however, is that it lacks in covering all the necessary entities required for a CRMS built for the NPF, it has no interface; as only the database was designed, there is no proper distinction between an accused and the criminal in the system, there is no generation of crime analysis and report.

**1.2 AIM AND OBJECTIVES**

The proposed Crime Record Management System enhances the crime recording operations of the Nigerian Police Force. The aim is to store records in a centralized database which holds information about criminals, crime and users of the system. The database is the basis for all actions in the system and can be easily updated and used to aid in all of the system’s processes, that is, all of the required information is stored in one central location and thus is easily accessible. Furthermore, the correctness of the centralized database will allow functions such as crime report generation and statistical analysis of crime data. This is a more effective storage method than a paper-based file system.

In addition to the functions highlighted above, the system performs the basic functions of storage, retrieval and manipulation of crime and criminal data and information.

The Objectives of the proposed system are as follows:

1. Interstation communication in real time
2. Centralized data handling
3. Reduced time consumption
4. Computerized record keeping with manpower
5. Cost reduction
6. Operational efficiency
   1. **SOFTWARE REQUIREMENTS**
7. Operating System: Windows (2000, Vista, 7 and 8)
8. Graphical User Interface: Java frame form.
9. Database: MySQL
10. IDE/Workbench: Xamp
11. (APACHE SERVER)

**1.4 HARDWARE REQUIREMENTS**

1. Processor: Pentium III – 900 MHz
2. 512 MB RAM (minimum main memory space recommended)
3. 768 MB RAM (main memory space recommended)
4. 560 – 760 MB minimum hard disk space (depending on features installed)
5. 4GB Hard disk space (recommended)

**1.5 DATABASE DESIGN**

Database Testing: A database is a repository of data of various types. As a result of this, many types of integration and implementation errors may occur in large database systems, which influence the system operation negatively. It is therefore of pivotal importance to test the database in order to achieve a database that satisfies the ACID (atomicity, consistency, Isolation, durability) properties of a database management system.

Below are some of the screenshots of some tables in the database of the proposed system.

ADMIN REGISTRATION TABLE

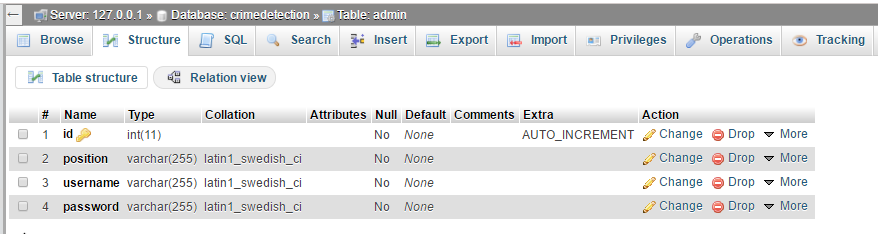


Table 1 shows the ADMIN table which holds information of an administrator. It contains the admin id as the primary key and admin specification such as; position and username and password.

CRIMINAL REGISTRATION TABLE

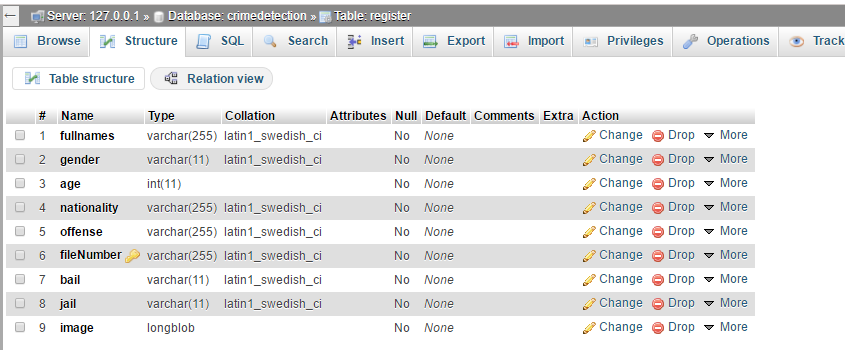
****

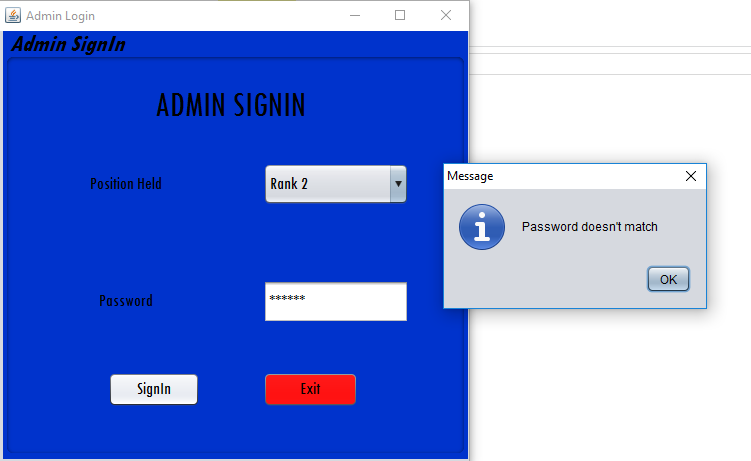
Table 2 shows the crime registration table which holds information on the crime. It contains the crime id as the primary key and crime specification such as; name, offense, file number, full name of offender, probable jail sentence, bail and image of criminal.

* 1. SYSTEM IMPLEMENTATION
     1. Programming language used includes the followings:

1. Java
2. Structured query language
   1. SYSTEM OUTPUT/SCREENSHOT

This involves testing the various modules of the system individually, integrating the various components into one, and testing the CRMS as a whole. The CRMS consists of various modules. Some of them are:

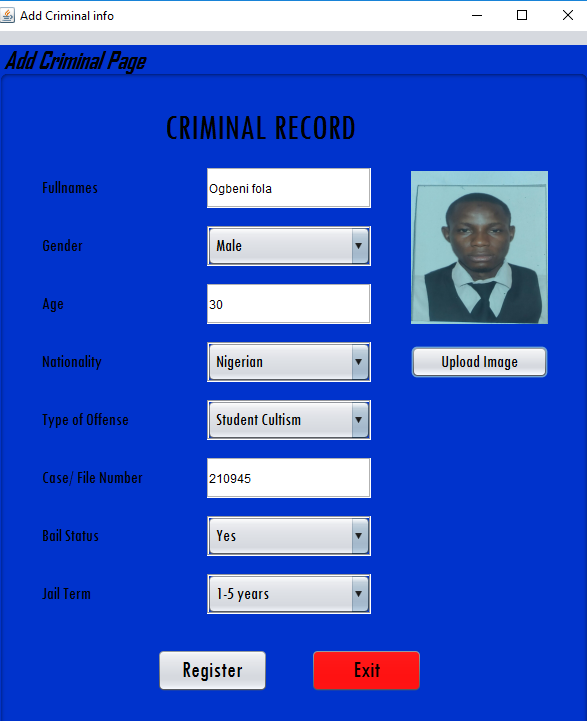
1. Login Module: Figure 1 shows the Login page. This is also known as the authentication module. This module is responsible for logging users into the system. This is done by providing a correct and already registered police id and password, without which the user is denied access to the system.



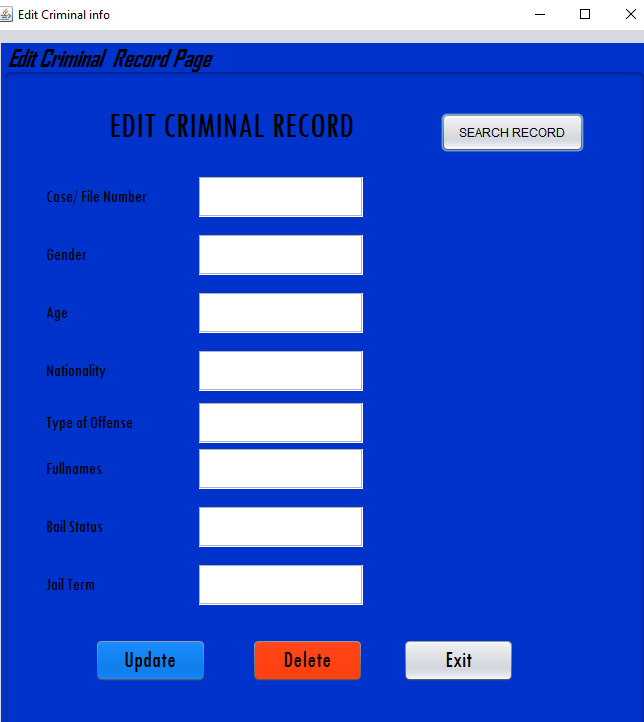
1. Homepage Module: Figure 2 shows the Homepage module. This module is responsible for redirecting users to perform other activities on the application.



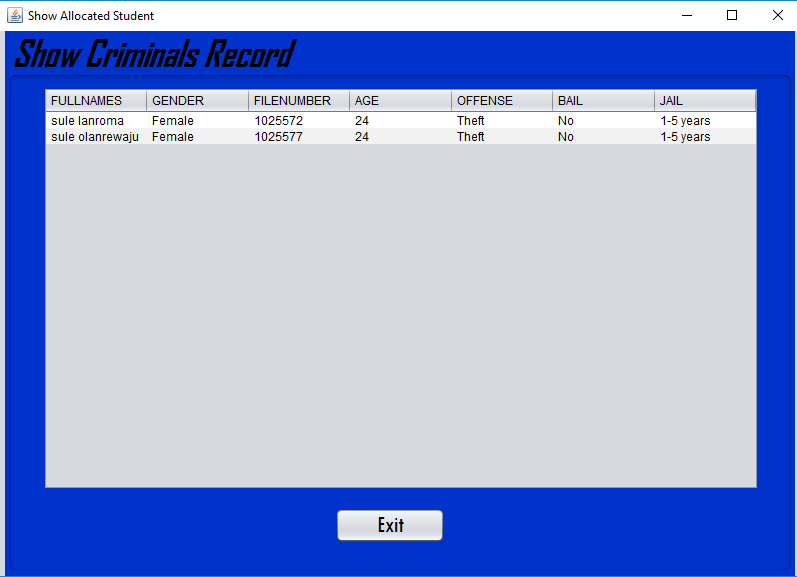
1. Add Criminal Record Module: Figure 3 shows the criminal record module where specific information about the offender and type of offense committed are entered into a centralized database.



1. Edit Criminal Record Module: Figure 4 shows the edit module where criminal’s record can be updated and when they are granted bail such criminal record can be deleted off the database and such person is said to be free.



1. Display Offenders Record: This module allows administrators view all records of offenders who have a track record with the agency it contains specific details about the criminal and type of offense committed.



* 1. **CODE LISTING**

1. **Admin Signup**

import java.awt.HeadlessException;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author fola

\*/

public class HomeSignup extends javax.swing.JFrame {

Connection conn = null;

Statement stmt = null;

ResultSet rs = null;

public HomeSignup() {

super("Create Admin");

initComponents();

conn = dbaseConnx.openConnection();

}

/\*\*

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

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

Password = new javax.swing.JLabel();

username = new javax.swing.JTextField();

password = new javax.swing.JPasswordField();

Signup = new javax.swing.JButton();

Exit = new javax.swing.JButton();

position = new javax.swing.JComboBox();

jLabel4 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(0, 51, 204));

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Admin Signup", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Tw Cen MT Condensed", 3, 24), new java.awt.Color(0, 0, 0))); // NOI18N

jLabel1.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 36)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("ADMIN SIGNUP");

jLabel1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel2.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel2.setText("Username");

Password.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

Password.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

Password.setText("Password");

username.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

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

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

usernameActionPerformed(evt);

}

});

password.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

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

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

passwordActionPerformed(evt);

}

});

Signup.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

Signup.setText("Signup");

Signup.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

SignupActionPerformed(evt);

}

});

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

Exit.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

Exit.setText("Exit");

Exit.setToolTipText("");

Exit.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

ExitActionPerformed(evt);

}

});

position.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

position.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Rank 1", "Rank 2", "Rank 3", " " }));

jLabel4.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel4.setText("Position Held");

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(35, 35, 35)

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(31, 31, 31)

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

.addComponent(username, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(position, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 357, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(27, 27, 27)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(Password, javax.swing.GroupLayout.PREFERRED\_SIZE, 134, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(Signup, javax.swing.GroupLayout.PREFERRED\_SIZE, 92, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(39, 39, 39)

.addComponent(password, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(59, 59, 59)

.addComponent(Exit, javax.swing.GroupLayout.PREFERRED\_SIZE, 95, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addContainerGap(45, Short.MAX\_VALUE))

);

jPanel1Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {Password, jLabel2, jLabel4});

jPanel1Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {password, position, username});

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 72, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(95, 95, 95)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(username, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(position, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 29, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(password, javax.swing.GroupLayout.PREFERRED\_SIZE, 43, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(Password, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(47, 47, 47)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(Signup, javax.swing.GroupLayout.PREFERRED\_SIZE, 35, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(Exit, javax.swing.GroupLayout.PREFERRED\_SIZE, 35, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(38, 38, 38))

);

jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {Password, jLabel2, jLabel4});

jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {password, position, username});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(1, 1, 1))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

pack();

}// </editor-fold>

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

// TODO add your handling code here:

}

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

// TODO add your handling code here:

}

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

// TODO add your handling code here:

try{

stmt = conn.createStatement();

String Position = (String) position.getSelectedItem();

String Username = username.getText();

String Password = password.getText();

if("".equals(Position)){

JOptionPane.showMessageDialog(null, "The admin rank field is required");

}else if("".equals(Username)){

JOptionPane.showMessageDialog(null, "The username field is required");

}else if("".equals(Password)){

JOptionPane.showMessageDialog(null, "The password field is required");

}else{

String sql = "INSERT INTO admin (position , username, password) VALUES ('"+Position+"', '"+Username+"', '"+ Password+"')";

stmt.executeUpdate(sql);

JOptionPane.showMessageDialog(null, "New Admin Created");

setVisible(false);

Homepage object = new Homepage();

object.setVisible(true);

}

}catch (SQLException | HeadlessException e){

JOptionPane.showMessageDialog(null, e);

}

}

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

// TODO add your handling code here:

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton Exit;

private javax.swing.JLabel Password;

private javax.swing.JButton Signup;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel4;

private javax.swing.JPanel jPanel1;

private javax.swing.JPasswordField password;

private javax.swing.JComboBox position;

private javax.swing.JTextField username;

// End of variables declaration

}

1. **Admin sign in**

import java.awt.HeadlessException;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import javax.swing.JOptionPane;

/\*

\* 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.

\*/

/\*\*

\*

\* @author fola

\*/

public class HomeSignIn extends javax.swing.JFrame {

/\*\*

\* Creates new form HomeSignIn

\*/

Connection conn = null;

Statement stmt = null;

ResultSet rs = null;

public HomeSignIn() {

super("Admin Login");

initComponents();

conn = dbaseConnx.openConnection();

}

/\*\*

\* 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();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

Password = new javax.swing.JLabel();

password = new javax.swing.JPasswordField();

Signup = new javax.swing.JButton();

Exit = new javax.swing.JButton();

position = new javax.swing.JComboBox();

jLabel4 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel2.setBackground(new java.awt.Color(0, 51, 204));

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Admin SignIn", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Tw Cen MT Condensed", 3, 24), new java.awt.Color(0, 0, 0))); // NOI18N

jLabel1.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 36)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("ADMIN SIGNIN");

jLabel1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

Password.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

Password.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

Password.setText("Password");

password.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

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

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

passwordActionPerformed(evt);

}

});

Signup.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

Signup.setText("SignIn");

Signup.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

SignupActionPerformed(evt);

}

});

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

Exit.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

Exit.setText("Exit");

Exit.setToolTipText("");

Exit.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

ExitActionPerformed(evt);

}

});

position.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

position.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Rank 1", "Rank 2", "Rank 3", " " }));

jLabel4.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel4.setText("Position Held");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(35, 35, 35)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 357, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(56, 56, 56)

.addComponent(Signup, javax.swing.GroupLayout.PREFERRED\_SIZE, 92, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(Password, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 134, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(position, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(password, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(Exit, javax.swing.GroupLayout.PREFERRED\_SIZE, 95, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addContainerGap(45, Short.MAX\_VALUE))

);

jPanel2Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {Password, jLabel4});

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 72, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(22, 22, 22)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(position, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 75, Short.MAX\_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(password, javax.swing.GroupLayout.PREFERRED\_SIZE, 43, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(Password, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(49, 49, 49)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(Signup, javax.swing.GroupLayout.PREFERRED\_SIZE, 35, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(Exit, javax.swing.GroupLayout.PREFERRED\_SIZE, 35, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(38, 38, 38))

);

jPanel2Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {Password, jLabel4});

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(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(1, 1, 1))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

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 passwordActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

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

// TODO add your handling code here:

try {

stmt = conn.createStatement();

String Position = (String) position.getSelectedItem();

String Pass = password.getText();

String sql = "SELECT \* FROM admin WHERE position = '"+ Position +"' && password = '"+ Pass+"'";

rs = stmt.executeQuery(sql);

if("".equals(Pass) || "".equals(Position)){

JOptionPane.showMessageDialog(null, "Password or Position field is required");

}

else if(rs.next()){

JOptionPane.showMessageDialog(null, "Staff login was successful");

setVisible(false);

Homepage object = new Homepage ();

object.setVisible(true);

}else{

JOptionPane.showMessageDialog(null, "Password doesn't match");

}

}catch (SQLException | HeadlessException e){

JOptionPane.showMessageDialog(null, e);

}

}

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

// TODO add your handling code here:

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton Exit;

private javax.swing.JLabel Password;

private javax.swing.JButton Signup;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel4;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPasswordField password;

private javax.swing.JComboBox position;

// End of variables declaration

}

1. **Crime Record Homepage**

/\*

\* 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.

\*/

/\*\*

\*

\* @author fola

\*/

public class Homepage extends javax.swing.JFrame {

public Homepage() {

initComponents();

}

/\*\*

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

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

editrecord = new javax.swing.JButton();

showrecords = new javax.swing.JButton();

viewAdminRecords = new javax.swing.JButton();

SignIn = new javax.swing.JButton();

jButton5 = new javax.swing.JButton();

addCriminal = new javax.swing.JButton();

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();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(0, 51, 153));

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Application Homepage", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Agency FB", 3, 24))); // NOI18N

jLabel1.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 40)); // NOI18N

jLabel1.setForeground(new java.awt.Color(255, 255, 255));

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("CRIME RECORD AND INFORMATION MANAGEMENT SYSTEM");

jLabel1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

editrecord.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/avatar5.png"))); // NOI18N

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

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

editrecordActionPerformed(evt);

}

});

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

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

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

showrecordsActionPerformed(evt);

}

});

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

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

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

viewAdminRecordsActionPerformed(evt);

}

});

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

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

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

SignInActionPerformed(evt);

}

});

jButton5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/add admin.jpg"))); // NOI18N

jButton5.addActionListener(new java.awt.event.ActionListener() {

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

jButton5ActionPerformed(evt);

}

});

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

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

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

addCriminalActionPerformed(evt);

}

});

jLabel2.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 24)); // NOI18N

jLabel2.setForeground(new java.awt.Color(255, 255, 255));

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel2.setText("Add Criminal");

jLabel2.setToolTipText("");

jLabel2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel3.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 24)); // NOI18N

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

jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel3.setText("View All Records");

jLabel3.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel4.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 24)); // NOI18N

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

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel4.setText("Edit Criminal Record");

jLabel4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel5.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 24)); // NOI18N

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

jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel5.setText("Admin SignIn");

jLabel5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel6.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 24)); // NOI18N

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

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel6.setText("View Admin Records");

jLabel6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel7.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 24)); // NOI18N

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

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel7.setText("Admin SignUp");

jLabel7.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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(62, Short.MAX\_VALUE)

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

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

.addComponent(addCriminal, javax.swing.GroupLayout.PREFERRED\_SIZE, 136, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton5, javax.swing.GroupLayout.PREFERRED\_SIZE, 136, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 163, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(27, 27, 27))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 163, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(19, 19, 19)))

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(61, 61, 61)

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

.addComponent(editrecord, javax.swing.GroupLayout.PREFERRED\_SIZE, 134, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(SignIn, javax.swing.GroupLayout.PREFERRED\_SIZE, 136, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(35, 35, 35)

.addComponent(jLabel4))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(44, 44, 44)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 174, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(17, 17, 17)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(67, 67, 67)

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

.addComponent(showrecords, javax.swing.GroupLayout.PREFERRED\_SIZE, 130, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(viewAdminRecords, javax.swing.GroupLayout.PREFERRED\_SIZE, 133, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(46, 46, 46)

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

.addComponent(jLabel6)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 172, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(95, 95, 95))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(29, 29, 29)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 718, 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()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 72, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(35, 35, 35)

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

.addComponent(editrecord, javax.swing.GroupLayout.PREFERRED\_SIZE, 113, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(addCriminal, javax.swing.GroupLayout.PREFERRED\_SIZE, 113, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(showrecords, javax.swing.GroupLayout.PREFERRED\_SIZE, 113, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(30, 30, 30)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 41, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 41, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 41, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jButton5, javax.swing.GroupLayout.PREFERRED\_SIZE, 114, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(SignIn, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE)

.addComponent(viewAdminRecords, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE))

.addGap(31, 31, 31)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 41, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 41, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 41, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(25, Short.MAX\_VALUE))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

layout.setVerticalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

}// </editor-fold>

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

setVisible(false);

HomeSignup object = new HomeSignup();

object.setVisible(true);

}

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

// TODO add your handling code here:

setVisible(false);

Register object = new Register();

object.setVisible(true);

}

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

// TODO add your handling code here:

setVisible(false);

ShowRecords object = new ShowRecords();

object.setVisible(true);

}

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

// TODO add your handling code here:

setVisible(false);

HomeSignIn object = new HomeSignIn();

object.setVisible(true);

}

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

// TODO add your handling code here:

setVisible(false);

HomeView object = new HomeView();

object.setVisible(true);

}

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

// TODO add your handling code here:

setVisible(false);

SEdit object = new SEdit();

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton SignIn;

private javax.swing.JButton addCriminal;

private javax.swing.JButton editrecord;

private javax.swing.JButton jButton5;

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.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JPanel jPanel1;

private javax.swing.JButton showrecords;

private javax.swing.JButton viewAdminRecords;

// End of variables declaration

}

1. **Crime Registration**

import java.awt.HeadlessException;

import java.awt.Image;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

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.ImageIcon;

import javax.swing.JFileChooser;

import javax.swing.JOptionPane;

import javax.swing.filechooser.FileNameExtensionFilter;

/\*

\* 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.

\*/

/\*\*

\*

\* @author fola

\*/

public class Register extends javax.swing.JFrame {

/\*\*

\* Creates new form Register

\*/

Connection conn = null;

Statement stmt = null;

ResultSet rs = null;

PreparedStatement st = null;

private String path;

private String s;

public Register() {

super("Add Criminal info");

conn = dbaseConnx.openConnection();

initComponents();

}

/\*\*

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

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

Upload = new javax.swing.JButton();

img = new javax.swing.JLabel();

fullnames = new javax.swing.JTextField();

age = new javax.swing.JTextField();

fileNumber = new javax.swing.JTextField();

jLabel5 = new javax.swing.JLabel();

nationality = new javax.swing.JComboBox();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

gender = new javax.swing.JComboBox();

jLabel6 = new javax.swing.JLabel();

offense = new javax.swing.JComboBox();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

bail = new javax.swing.JComboBox();

jLabel11 = new javax.swing.JLabel();

jail = new javax.swing.JComboBox();

jButton2 = new javax.swing.JButton();

Register = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(0, 51, 204));

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Criminal Page", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Agency FB", 3, 24))); // NOI18N

jLabel1.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 36)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("CRIMINAL RECORD");

jLabel2.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel2.setText("Fullnames");

Upload.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

Upload.setText("Upload Image");

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

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

UploadActionPerformed(evt);

}

});

fullnames.setBorder(javax.swing.BorderFactory.createEtchedBorder());

fullnames.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

fullnamesActionPerformed(evt);

}

});

age.setBorder(javax.swing.BorderFactory.createEtchedBorder());

age.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

fileNumber.setBorder(javax.swing.BorderFactory.createEtchedBorder());

fileNumber.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel5.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel5.setText("Type of Offense");

nationality.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

nationality.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Nigerian", "Others " }));

nationality.setBorder(javax.swing.BorderFactory.createEtchedBorder());

nationality.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

nationalityActionPerformed(evt);

}

});

jLabel7.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel7.setText("Gender");

jLabel8.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel8.setText("Age");

gender.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

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

gender.setBorder(javax.swing.BorderFactory.createEtchedBorder());

gender.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

genderActionPerformed(evt);

}

});

jLabel6.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel6.setText("Nationality");

offense.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

offense.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Suicide Attempt", "Loot", "Theft", "Student Cultism", "Pipeline Vandalism" }));

offense.setBorder(javax.swing.BorderFactory.createEtchedBorder());

offense.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

offenseActionPerformed(evt);

}

});

jLabel9.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel9.setText("Case/ File Number");

jLabel10.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel10.setText("Bail Status");

bail.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

bail.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Yes", "No" }));

bail.setBorder(javax.swing.BorderFactory.createEtchedBorder());

bail.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

bailActionPerformed(evt);

}

});

jLabel11.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel11.setText("Jail Term");

jail.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jail.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "1-5 years", "5-10 years", "10 - 20 years", "20-50 years", "50-100 years" }));

jail.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jail.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

jailActionPerformed(evt);

}

});

jButton2.setBackground(new java.awt.Color(255, 0, 0));

jButton2.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 24)); // NOI18N

jButton2.setText("Exit");

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

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

jButton2ActionPerformed(evt);

}

});

Register.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 24)); // NOI18N

Register.setText("Register");

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

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

RegisterActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(112, 112, 112)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 275, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(31, 31, 31)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(offense, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fileNumber, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(bail, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jail, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(age, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fullnames, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(gender, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(nationality, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(40, 40, 40)

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

.addComponent(Upload, javax.swing.GroupLayout.PREFERRED\_SIZE, 137, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(img, javax.swing.GroupLayout.PREFERRED\_SIZE, 137, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(146, 146, 146)

.addComponent(Register, javax.swing.GroupLayout.PREFERRED\_SIZE, 111, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(43, 43, 43)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(29, Short.MAX\_VALUE))

);

jPanel1Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {Register, jButton2});

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(21, 21, 21)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 43, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fullnames, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(gender, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(age, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addComponent(img, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(nationality, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(Upload))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(offense, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(fileNumber, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(bail, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jail, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(35, 35, 35)

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

.addComponent(Register, javax.swing.GroupLayout.DEFAULT\_SIZE, 43, Short.MAX\_VALUE)

.addComponent(jButton2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap(27, Short.MAX\_VALUE))

);

jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {age, gender, nationality, offense});

jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {bail, fileNumber, jail});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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))

);

layout.setVerticalGroup(

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

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

.addContainerGap(14, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

pack();

}// </editor-fold>

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

// TODO add your handling code here:

}

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

// TODO add your handling code here:

}

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

// TODO add your handling code here:

}

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

// TODO add your handling code here:

}

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

// TODO add your handling code here:

}

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

// TODO add your handling code here:

try{

stmt = conn.createStatement();

String q = "INSERT INTO register values (?, ?, ?, ?, ?, ?, ?, ?, ?)";

File file = new File(s);

FileInputStream img = new FileInputStream(file);

try(java.sql.PreparedStatement stmt = conn.prepareStatement(q)){

stmt.setString(1, fullnames.getText());

stmt.setString(2, (String) gender.getSelectedItem());

stmt.setString(3, age.getText());

stmt.setString(4, (String) nationality.getSelectedItem());

stmt.setString(5, (String) offense.getSelectedItem());

stmt.setString(6, fileNumber.getText());

stmt.setString(7, (String) bail.getSelectedItem());

stmt.setString(8, (String) jail.getSelectedItem());

stmt.setBinaryStream(9, img, (int)file.length());

stmt.executeUpdate();

JOptionPane.showMessageDialog(null, "image is saved");

setVisible(false);

ShowRecords object = new ShowRecords();

object.setVisible(true);

}

} catch (SQLException | HeadlessException e ){

JOptionPane.showMessageDialog(null, e);

} catch (FileNotFoundException ex) {

Logger.getLogger(Register.class.getName()).log(Level.SEVERE, null, ex);

}

}

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

// TODO add your handling code here:

System.exit(0);

}

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

// TODO add your handling code here:

JFileChooser chooser = new JFileChooser();

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

chooser.setFileFilter(filter);

int returnval = chooser.showOpenDialog(this);

chooser.setFileSelectionMode(JFileChooser.FILES\_ONLY);

if (returnval == JFileChooser.APPROVE\_OPTION)

{

File file = chooser.getSelectedFile();

path = file.getAbsolutePath();

img.setIcon(Resizeimage(path));

s = path;

System.out.println(s);

}

}

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

// TODO add your handling code here:

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton Register;

private javax.swing.JButton Upload;

private javax.swing.JTextField age;

private javax.swing.JComboBox bail;

private javax.swing.JTextField fileNumber;

private javax.swing.JTextField fullnames;

private javax.swing.JComboBox gender;

private javax.swing.JLabel img;

private javax.swing.JButton jButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JComboBox jail;

private javax.swing.JComboBox nationality;

private javax.swing.JComboBox offense;

// End of variables declaration

private ImageIcon Resizeimage(String Imagepath) {

ImageIcon myimage = new ImageIcon(Imagepath);

Image imgs = myimage.getImage();

Image newimg = imgs.getScaledInstance(img.getWidth(),img.getHeight(), Image.SCALE\_SMOOTH);

ImageIcon image = new ImageIcon(newimg);

System.out.println(image);

return image;

}

}

1. **Edit Crime Records**

import java.awt.HeadlessException;

import java.awt.Image;

import java.awt.image.BufferedImage;

import java.io.ByteArrayInputStream;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.sql.Blob;

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.imageio.ImageIO;

import javax.swing.ImageIcon;

import javax.swing.JFileChooser;

import javax.swing.JOptionPane;

import javax.swing.filechooser.FileNameExtensionFilter;

/\*

\* 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.

\*/

/\*\*

\*

\* @author fola

\*/

public class SEdit extends javax.swing.JFrame {

/\*\*

\* Creates new form SEdit

\*/

Connection conn = null;

Statement stmt = null;

ResultSet rs = null;

PreparedStatement st = null;

private String path;

private String s;

public SEdit() {

super("Edit Criminal info");

conn = dbaseConnx.openConnection();

initComponents();

}

/\*\*

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

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jPanel4 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

file = new javax.swing.JLabel();

imageLabel = new javax.swing.JLabel();

fileNumba = new javax.swing.JTextField();

age = new javax.swing.JTextField();

fullnames = new javax.swing.JTextField();

jLabel21 = new javax.swing.JLabel();

jLabel22 = new javax.swing.JLabel();

jLabel23 = new javax.swing.JLabel();

jLabel24 = new javax.swing.JLabel();

jLabel25 = new javax.swing.JLabel();

jLabel26 = new javax.swing.JLabel();

jLabel27 = new javax.swing.JLabel();

Register2 = new javax.swing.JButton();

select = new javax.swing.JButton();

Update = new javax.swing.JButton();

offenze = new javax.swing.JTextField();

baiil = new javax.swing.JTextField();

jaiil = new javax.swing.JTextField();

gender = new javax.swing.JTextField();

Nation = new javax.swing.JTextField();

delete = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel4.setBackground(new java.awt.Color(0, 51, 204));

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Edit Criminal Record Page", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Agency FB", 3, 24))); // NOI18N

jLabel1.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 36)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("EDIT CRIMINAL RECORD");

file.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

file.setText("Case/ File Number");

fileNumba.setBorder(javax.swing.BorderFactory.createEtchedBorder());

fileNumba.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

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

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

fileNumbaActionPerformed(evt);

}

});

age.setBorder(javax.swing.BorderFactory.createEtchedBorder());

age.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

fullnames.setBorder(javax.swing.BorderFactory.createEtchedBorder());

fullnames.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jLabel21.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel21.setText("Type of Offense");

jLabel22.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel22.setText("Gender");

jLabel23.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel23.setText("Age");

jLabel24.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel24.setText("Nationality");

jLabel25.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel25.setText("Fullnames");

jLabel26.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel26.setText("Bail Status");

jLabel27.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 18)); // NOI18N

jLabel27.setText("Jail Term");

Register2.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 24)); // NOI18N

Register2.setText("Exit");

Register2.addActionListener(new java.awt.event.ActionListener() {

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

Register2ActionPerformed(evt);

}

});

select.setText("SEARCH RECORD");

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

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

selectActionPerformed(evt);

}

});

Update.setBackground(new java.awt.Color(0, 102, 204));

Update.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 24)); // NOI18N

Update.setText("Update");

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

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

UpdateActionPerformed(evt);

}

});

offenze.setBorder(javax.swing.BorderFactory.createEtchedBorder());

offenze.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

baiil.setBorder(javax.swing.BorderFactory.createEtchedBorder());

baiil.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jaiil.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jaiil.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

gender.setBorder(javax.swing.BorderFactory.createEtchedBorder());

gender.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

Nation.setBorder(javax.swing.BorderFactory.createEtchedBorder());

Nation.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

delete.setBackground(new java.awt.Color(255, 51, 0));

delete.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 24)); // NOI18N

delete.setText("Delete");

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

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

deleteActionPerformed(evt);

}

});

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

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

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

.addGroup(jPanel4Layout.createSequentialGroup()

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(31, 31, 31)

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

.addComponent(jLabel21, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(file, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel22, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel24, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel23, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel25, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel26, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel27, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(fullnames, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(baiil, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jaiil, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel4Layout.createSequentialGroup()

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

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

.addComponent(age, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fileNumba, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(gender, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(Nation, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(delete, javax.swing.GroupLayout.Alignment.TRAILING))

.addComponent(offenze, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(40, 40, 40)

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

.addComponent(Register2, javax.swing.GroupLayout.PREFERRED\_SIZE, 111, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(imageLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 193, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(41, 41, 41)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 350, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(35, 35, 35)

.addComponent(select, javax.swing.GroupLayout.PREFERRED\_SIZE, 143, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(38, Short.MAX\_VALUE))

.addGroup(jPanel4Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(Update, javax.swing.GroupLayout.PREFERRED\_SIZE, 111, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(428, 428, 428))

);

jPanel4Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {Register2, Update, delete});

jPanel4Layout.setVerticalGroup(

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(21, 21, 21)

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

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 43, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(select, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addGroup(jPanel4Layout.createSequentialGroup()

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

.addComponent(file, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fileNumba, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jLabel22, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(gender, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(age, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel23, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jLabel24, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(Nation, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel21, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(offenze, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(fullnames, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel25, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jLabel26, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(baiil, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jLabel27, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jaiil, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(34, 34, 34))

.addGroup(jPanel4Layout.createSequentialGroup()

.addComponent(imageLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 190, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(279, 279, 279)))

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

.addComponent(Register2, javax.swing.GroupLayout.PREFERRED\_SIZE, 43, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(Update)

.addComponent(delete, javax.swing.GroupLayout.PREFERRED\_SIZE, 43, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(51, Short.MAX\_VALUE))

);

jPanel4Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {Register2, Update});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addGap(0, 13, Short.MAX\_VALUE)

.addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

pack();

}// </editor-fold>

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

// TODO add your handling code here:

}

private void Register2ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

System.exit(0);

}

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

// TODO add your handling code here:

try {

stmt = conn.createStatement();

int Id = Integer.parseInt(fileNumba.getText());

String Fullnames = fullnames.getText();

String Age = age.getText();

String Gender = gender.getText();

String Bail = baiil.getText();

String Jail = jaiil.getText();

String Nationality = Nation.getText();

String Offense = offenze.getText();

if("".equals(Fullnames)){

JOptionPane.showMessageDialog(null, "The fullnames field is required");

}else if("".equals(Age)){

JOptionPane.showMessageDialog(null, "The age field is required");

}else if("".equals(Gender)){

JOptionPane.showMessageDialog(null, "The gender field is required");

}else if("".equals(Bail)){

JOptionPane.showMessageDialog(null, "The bail field is required");

}else if("".equals(Jail)){

JOptionPane.showMessageDialog(null, "The jail field is required");

}else if("".equals(Nationality)){

JOptionPane.showMessageDialog(null, "The nationality field is required");

}else if("".equals(Offense)){

JOptionPane.showMessageDialog(null, "The offense field is required");

}else{

String sql = "UPDATE register SET fullnames = '"+Fullnames+"', age = '"+ Age+"', "

+ "gender = '"+ Gender +"', bail = '"+ Bail +"', jail = '"+ Jail +"', nationality = '"+ Nationality +"', offense = '"+ Offense+"' WHERE fileNumber = '"+Id+"'";

stmt.executeUpdate(sql);

JOptionPane.showMessageDialog(null, "Criminal Record Successfully Updated");

setVisible(false);

ShowRecords object = new ShowRecords();

object.setVisible(true);

}

}catch (SQLException | HeadlessException e){

JOptionPane.showMessageDialog(null, e);

}

}

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

// TODO add your handling code here:

try{

stmt = conn.createStatement();

int Id = Integer.parseInt(fileNumba.getText());

String sql = "SELECT \* FROM register WHERE fileNumber ='"+Id+"'";

rs = stmt.executeQuery(sql);

byte[] imgData = null;

if(rs.next()){

gender.setText(rs.getString("gender"));

age.setText(rs.getString("age"));

offenze.setText(rs.getString("offense"));

fullnames.setText(rs.getString("fullnames"));

baiil.setText(rs.getString("bail"));

jaiil.setText(rs.getString("jail"));

Blob img = rs.getBlob("image");

imgData = img.getBytes(1, (int)img.length());

BufferedImage imag = ImageIO.read(new ByteArrayInputStream(imgData));

ImageIcon jk1 = new ImageIcon(imag);

imageLabel.setIcon(RImage(jk1));

}else{

JOptionPane.showMessageDialog(null, "Record Not Found");

}

}

catch (SQLException | NumberFormatException e){

JOptionPane.showMessageDialog(null, e);

} catch (IOException ex) {

Logger.getLogger(SEdit.class.getName()).log(Level.SEVERE, null, ex);

}

}

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

// TODO add your handling code here:

try{

stmt = conn.createStatement();

int Id = Integer.parseInt(fileNumba.getText());

String sql = "DELETE FROM register WHERE fileNumber ='"+Id+"'";

stmt.executeUpdate(sql);

JOptionPane.showMessageDialog(null, "Criminal Record cleared");

// allows redirection

setVisible(false);

ShowRecords object = new ShowRecords();

object.setVisible(true);

}catch (SQLException | NumberFormatException e){

JOptionPane.showMessageDialog(null, e);

}

}

/\*\*

\* @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(SEdit.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

});

}

// Variables declaration - do not modify

private javax.swing.JTextField Nation;

private javax.swing.JButton Register;

private javax.swing.JButton Register1;

private javax.swing.JButton Register2;

private javax.swing.JButton Update;

private javax.swing.JButton Upload;

private javax.swing.JButton Upload1;

private javax.swing.JTextField age;

private javax.swing.JTextField age1;

private javax.swing.JTextField age2;

private javax.swing.JTextField baiil;

private javax.swing.JComboBox bail;

private javax.swing.JComboBox bail1;

private javax.swing.JButton delete;

private javax.swing.JLabel file;

private javax.swing.JTextField fileNumba;

private javax.swing.JTextField fileNumber;

private javax.swing.JTextField fileNumber1;

private javax.swing.JTextField fullnames;

private javax.swing.JTextField fullnames1;

private javax.swing.JTextField fullnames2;

private javax.swing.JTextField gender;

private javax.swing.JComboBox gender1;

private javax.swing.JComboBox gender2;

private javax.swing.JLabel imageLabel;

private javax.swing.JLabel img1;

private javax.swing.JLabel img2;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel15;

private javax.swing.JLabel jLabel16;

private javax.swing.JLabel jLabel17;

private javax.swing.JLabel jLabel18;

private javax.swing.JLabel jLabel19;

private javax.swing.JLabel jLabel20;

private javax.swing.JLabel jLabel21;

private javax.swing.JLabel jLabel22;

private javax.swing.JLabel jLabel23;

private javax.swing.JLabel jLabel24;

private javax.swing.JLabel jLabel25;

private javax.swing.JLabel jLabel26;

private javax.swing.JLabel jLabel27;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JTextField jaiil;

private javax.swing.JComboBox jail;

private javax.swing.JComboBox jail1;

private javax.swing.JComboBox nationality;

private javax.swing.JComboBox nationality1;

private javax.swing.JComboBox offense;

private javax.swing.JComboBox offense1;

private javax.swing.JTextField offenze;

private javax.swing.JButton select;

// End of variables declaration

private ImageIcon RImage(ImageIcon Imagepath) {

Image img = Imagepath.getImage();

Image newimg = img.getScaledInstance(imageLabel.getWidth(),imageLabel.getHeight(), Image.SCALE\_SMOOTH);

ImageIcon image = new ImageIcon(newimg);

return image;

}

1. **Database Connection**

/\*

\* 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.

\*/

/\*\*

\*

\* @author fola

\*/

import com.mysql.jdbc.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import javax.swing.JOptionPane;

public class dbaseConnx

{

final static String url = "jdbc:mysql://127.0.0.1:3306/crimeDetection";

final static String driver = "com.mysql.jdbc.Driver";

final static String username = "root";

final static String password = "";

public static Connection openConnection()

{

try

{

Class.forName(driver);

Connection conn = (Connection) DriverManager.getConnection(url,username,password);

return conn;

}

catch (ClassNotFoundException | SQLException e)

{

JOptionPane.showMessageDialog(null, e);

return null;

}

}

}

**CHAPTER TWO**

1. **JAVA ASSIGNMENTS**

**2.1 THREAD**

**SCENERIO: Using a java thread write a simple program that implements the Runnable interface to count 1 to 70 by three users concurrently. Program should print both the username and count for all the users.**

package threads implements;

class Exam implements Runnable{

@Override

public void run(){

for (int count = 1; count <= 70; count ++){

System.out.println("So So So " + count);

System.out.println("fa fa fa fa " + count);

System.out.println("do do do " + count);

}

}

}

public class ThreadsImplements {

public static void main(String[] args) {

Thread t1 = new Thread(new Exam());

t1.start();

}

}

**2.2 GENERICS**

**SCENERIO: How we can print an array of different type using a single Generic method**

public class GenericMethodTest {

// generic method printArray

public static < E > void printArray( E[] inputArray ) {

// Display array elements

for(E element : inputArray) {

System.out.printf("%s ", element);

}

System.out.println();

}

public static void main(String args[]) {

// Create arrays of Integer, Double and Character

Integer[] intArray = { 1, 2, 3, 4, 5 };

Double[] doubleArray = { 1.1, 2.2, 3.3, 4.4 };

Character[] charArray = { 'H', 'E', 'L', 'L', 'O' };

System.out.println("Array integerArray contains:");

printArray(intArray); // pass an Integer array

System.out.println("\nArray doubleArray contains:");

printArray(doubleArray); // pass a Double array

System.out.println("\nArray characterArray contains:");

printArray(charArray); // pass a Character array

}

**2.3 COLLECTION**

**SCENERIO: The ArrayList class implements the List interface. It uses a dynamic array to store the duplicate element of different data types. The ArrayList class maintains the insertion order and is non-synchronized.**

import java.util.\*;

class TestJavaCollection1{

public static void main(String args[]){

ArrayList<String> list=new ArrayList<String>();//Creating arraylist

list.add("Ravi");//Adding object in arraylist

list.add("Vijay");

list.add("Ravi");

list.add("Ajay");

//Traversing list through Iterator

Iterator itr=list.iterator();

while(itr.hasNext()){

System.out.println(itr.next());

}

}

}

**2.4 SERIALISE AND DESERIALISE**

**SCENERIO : How to serialize and desterilize a file**

// Java code for serialization and deserialization

// of a Java object

import java.io.\*;

class Demo implements java.io.Serializable

{

    public int a;

    public String b;

    // Default constructor

    public Demo(int a, String b)

    {

        this.a = a;

        this.b = b;

    }

}

class Test

{

    public static void main(String[] args)

    {

        Demo object = new Demo(1, "geeksforgeeks");

        String filename = "file.ser";

        // Serialization

        try

        {

            //Saving of object in a file

            FileOutputStream file = new FileOutputStream(filename);

            ObjectOutputStream out = new ObjectOutputStream(file);

            // Method for serialization of object

            out.writeObject(object);

            out.close();

            file.close();

            System.out.println("Object has been serialized");

        }

        catch(IOException ex)

        {

            System.out.println("IOException is caught");

        }

        Demo object1 = null;

        // Deserialization

        try

        {

            // Reading the object from a file

            FileInputStream file = new FileInputStream(filename);

            ObjectInputStream in = new ObjectInputStream(file);

            // Method for deserialization of object

            object1 = (Demo)in.readObject();

            in.close();

            file.close();

            System.out.println("Object has been deserialized ");

            System.out.println("a = " + object1.a);

            System.out.println("b = " + object1.b);

        }

        catch(IOException ex)

        {

            System.out.println("IOException is caught");

        }

        catch(ClassNotFoundException ex)

        {

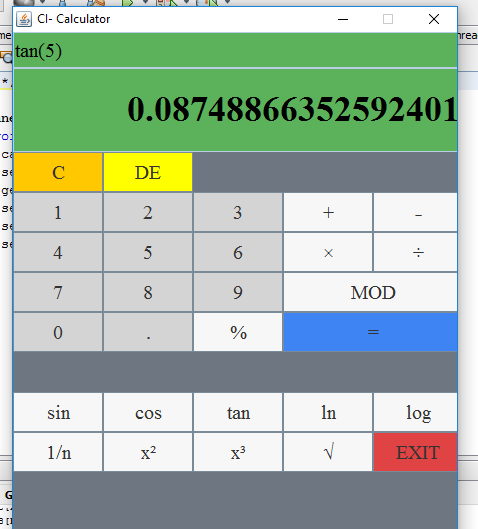
            System.out.println("ClassNotFoundException is caught");

        }

    }

}

**2.5 DEVELOP A SCIENTIFIC CALCULATOR**

****

**Calculator.java**

import javax.swing.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.util.ArrayList;

import java.util.Date;

class Calculator extends ElementContainer implements ActionListener {

private Engine engine = new Engine();

Calculator(int width, int height) {

super(width, height);

this.addActionListenerToAllButton();

}

private void addActionListenerToAllButton(){

for (String key : this.buttonHolderMap.keySet()) {

this.buttonHolderMap.get(key).addActionListener(this);

}

}

@Override

public void actionPerformed(ActionEvent e) {

ButtonHolder pressedButton = (ButtonHolder) e.getSource();

String buttonType = pressedButton.type;

String pureName = pressedButton.pureName;

System.out.println(new Date()+"[Calculator][actionPerformed] Button clicked :" + e.getActionCommand()+" "+e.getSource());

if(pureName.equalsIgnoreCase("exit")){

System.exit(0);

}else if(pureName.equalsIgnoreCase("clear")){

this.clearScreen();

}else if(pureName.equalsIgnoreCase("delete")){

this.deleteInput();

}else if(buttonType.equalsIgnoreCase("single\_operator")){

this.singleOperation(pressedButton);

}else if(buttonType.equalsIgnoreCase("numeric")){

this.displayNumber(pressedButton);

}else if(buttonType.equalsIgnoreCase("number\_modifier")){

this.displayNumberModifier(pressedButton);

}else if(buttonType.equalsIgnoreCase("operator")){

this.displayOperator(pressedButton);

}else if(buttonType.equalsIgnoreCase("answer")){

this.getAnswer(this.inputDisplay.getText());

}

}

private void clearScreen(){

this.inputDisplay.setText("0");

this.outputDisplay.setText("0");

}

private void deleteInput(){

String input = this.inputDisplay.getText();

ArrayList<String> operators = ButtonHolder.getScreenTextListByType(this.buttonHolderMap, "operator");

ArrayList<String> numbers = ButtonHolder.getScreenTextListByType(this.buttonHolderMap, "numeric");

if(input.length() == 1){

this.inputDisplay.setText("0");

}else if(Helper.isLastChar(input, operators) || Helper.isLastChar(input, numbers)){

this.inputDisplay.setText(input.substring(0, input.length()-1));

}

}

private void displayNumber(ButtonHolder numericButton){

if(this.isInputClear()){

this.inputDisplay.setText(numericButton.screenText);

}else{

this.inputDisplay.setText(this.inputDisplay.getText()+numericButton.screenText);

}

}

private void displayNumberModifier(ButtonHolder numberModifierButton){

String inputText = this.inputDisplay.getText();

if(!inputText.contains(numberModifierButton.screenText)){

this.inputDisplay.setText(this.inputDisplay.getText()+numberModifierButton.screenText);

}

}

private void displayOperator(ButtonHolder operatorButton){

if(this.hasInputOperator()){

this.getAnswer(this.inputDisplay.getText());

}

if(this.isOutputClear()){

this.inputDisplay.setText(this.inputDisplay.getText()+operatorButton.screenText);

}else{

this.inputDisplay.setText(this.outputDisplay.getText()+operatorButton.screenText);

}

}

private void singleOperation(ButtonHolder operatorButton){

String input = "";

if(!this.isOutputClear()){

input = this.outputDisplay.getText();

}else{

if(this.hasInputOperator()){

this.getAnswer(this.inputDisplay.getText());

input = this.outputDisplay.getText();

}else{

input = this.inputDisplay.getText();

}

}

this.inputDisplay.setText(operatorButton.screenText+"("+input+")");

String result = this.engine.computeSciFun(operatorButton.pureName, input);

this.outputDisplay.setText(result);

}

private void getAnswer(String input){

String operator = this.getInputFirstOperator();

if(operator.equals("")){

this.outputDisplay.setText(this.inputDisplay.getText());

}else{

int operatorPosition = input.indexOf(operator);

String operand1 = input.substring(0, operatorPosition);

String operand2 = input.substring(operatorPosition+operator.length(), input.length());

String result = this.engine.compute(operand1, operand2, operator);

this.outputDisplay.setText(result);

}

}

private boolean isInputClear(){

return this.inputDisplay.getText().equals("0");

}

private boolean isOutputClear(){

return this.outputDisplay.getText().equals("0");

}

private boolean isBothDisplayClear(){

return this.isInputClear() && this.isOutputClear();

}

private String getInputFirstOperator(){

String input = this.inputDisplay.getText();

ArrayList<String> operatorList = ButtonHolder.getScreenTextListByType(this.buttonHolderMap, "operator");

return Helper.getFoundOperator(input, operatorList);

}

private boolean hasInputOperator(){

return !this.getInputFirstOperator().equals("");

}

}

**Buttons.java**

import javax.swing.\*;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Map;

class ButtonHolder extends JButton{

String type; //numeric, operator, single\_operator, command, sign, percent, equal

String pureName; //descriptive non-space name of the button

String screenText; //Actual text to be shown in screen

private ButtonHolder(String type, String pureName, String buttonText, String screenText) {

super(buttonText);

this.type = type;

this.pureName = pureName;

this.screenText = screenText;

}

public String toString() {

return "{type: " + this.type + ", pureName: " + this.pureName + ", button:" + this.getText() + ", screenText: " + this.screenText + "}";

}

public boolean isOperator() {

return this.type.equalsIgnoreCase("operator");

}

static Map<String, ButtonHolder> getAll() {

Map<String, ButtonHolder> map = new HashMap<String, ButtonHolder>();

for (int i = 0; i <= 9; i++) {

map.put("" + i, new ButtonHolder("numeric", "" + i, "" + i, "" + i));

}

//operators keys

map.put("add", new ButtonHolder("operator", "add", "+", "+"));

map.put("sub", new ButtonHolder("operator", "subtract", "\u02D7", "\u02D7"));

map.put("mul", new ButtonHolder("operator", "multiply", "\u00D7", "\u00D7"));

map.put("div", new ButtonHolder("operator", "divide", "\u00F7", "\u00F7"));

map.put("mod", new ButtonHolder("operator", "mod", "MOD", "MOD"));

//Answer keys

map.put("equal", new ButtonHolder("answer", "equal", "=", "="));

//number modifier keys

map.put("point", new ButtonHolder("number\_modifier", "point", ".", "."));

//Command keys

map.put("delete", new ButtonHolder("command", "delete", "DE", ""));

map.put("clear", new ButtonHolder("command", "clear", "C", ""));

map.put("exit", new ButtonHolder("command", "exit", "EXIT", ""));

//Percent keys

map.put("percent", new ButtonHolder("percent", "percent", "%", "%"));

//signed keys

//map.put("plus\_minus", new ButtonHolder("signed", "plus\_minus", "\u00B1", "\u00B1"));

//----------Single operator keys---------------

map.put("one\_by\_n", new ButtonHolder("single\_operator", "one\_by\_n", "1/n", "1/n"));

map.put("square", new ButtonHolder("single\_operator", "square", "x\u00B2", "x\u00B2"));

map.put("cube", new ButtonHolder("single\_operator", "cube", "x\u00B3", "x\u00B3"));

map.put("sqrt", new ButtonHolder("single\_operator", "square\_root", "\u221A", "\u221A"));

String[] strings = {"sin", "cos", "tan", "asin", "acos", "atan", "sinh", "cosh", "tanh", "ln", "log"};

map.put("ten\_power", new ButtonHolder("single\_operator", "ten\_power", "10^n", "10^n"));

map.put("abs", new ButtonHolder("single\_operator", "absolute", "abs", "abs"));

for (String text : strings) {

map.put(text, new ButtonHolder("single\_operator", text, text, text));

}

return map;

}

static ArrayList<String> getMapKeysByType(Map<String, ButtonHolder> buttonHolderMap, String type) {

ArrayList<String> keyList = new ArrayList<>();

for (String mapKey : buttonHolderMap.keySet()) {

ButtonHolder buttonHolder = buttonHolderMap.get(mapKey);

if (buttonHolder.type.equalsIgnoreCase(type)) {

keyList.add(mapKey);

}

}

return keyList;

}

static ArrayList<String> getScreenTextListByType(Map<String, ButtonHolder> buttonHolderMap, String type){

ArrayList<String> textList = new ArrayList<>();

for (String mapKey : buttonHolderMap.keySet()) {

ButtonHolder buttonHolder = buttonHolderMap.get(mapKey);

if (buttonHolder.type.equalsIgnoreCase(type)) {

textList.add(buttonHolder.screenText);

}

}

return textList;

}

}