JAVA AAT USING JAVA SWINGS

import javax.swing.\*;

import java.util.HashMap;

import java.util.Map;

public class main\_page extends javax.swing.JFrame {

public static int p1 = 0;

public static int p2 = 0;

public static int p3 = 0;

public static String lastVoterID = "";

public static Map<String, String[]> voterDetails = new HashMap<>(); // Store voter details

public main\_page() {

initComponents();

}

private void initComponents() {

jButton2 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jLabel3 = new javax.swing.JLabel();

jTextField2 = new javax.swing.JTextField();

jLabel5 = new javax.swing.JLabel();

jTextField3 = new javax.swing.JTextField();

jRadioButton1 = new javax.swing.JRadioButton();

jRadioButton2 = new javax.swing.JRadioButton();

jRadioButton3 = new javax.swing.JRadioButton();

jLabel4 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTextArea1 = new javax.swing.JTextArea(); // Text area to display voter details

jButton2.setText("RESEND");

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

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

jButton2ActionPerformed(evt);

}

});

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

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24));

jLabel1.setText("ONLINE VOTING SYSTEM");

jLabel2.setText("ENTER NAME");

jLabel3.setText("ENTER PHONE");

jLabel5.setText("ENTER VOTER ID");

jRadioButton1.setText("PARTY A");

jRadioButton1.addActionListener(new java.awt.event.ActionListener() {

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

jRadioButton1ActionPerformed(evt);

}

});

jRadioButton2.setText("PARTY B");

jRadioButton2.addActionListener(new java.awt.event.ActionListener() {

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

jRadioButton2ActionPerformed(evt);

}

});

jRadioButton3.setText("PARTY C");

jRadioButton3.addActionListener(new java.awt.event.ActionListener() {

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

jRadioButton3ActionPerformed(evt);

}

});

jLabel4.setText("CAST YOUR VOTE HERE");

jButton1.setText("SUBMIT YOUR VOTE");

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

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

jButton1ActionPerformed(evt);

}

});

jButton4.setText("CHECK RESULTS");

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

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

jButton4ActionPerformed(evt);

}

});

jTextArea1.setEditable(false); // Make text area non-editable

jTextArea1.setColumns(20);

jTextArea1.setRows(5);

jScrollPane1.setViewportView(jTextArea1);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

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

.addGroup(layout.createSequentialGroup()

.addGap(42, 42, 42)

.addComponent(jLabel1))

.addGroup(layout.createSequentialGroup()

.addGap(18, 18, 18)

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

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, 148, Short.MAX\_VALUE)

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

.addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

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

.addComponent(jTextField1)

.addComponent(jTextField2, javax.swing.GroupLayout.DEFAULT\_SIZE, 156, Short.MAX\_VALUE)

.addComponent(jTextField3)))

.addComponent(jLabel4)

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

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

.addComponent(jRadioButton1)

.addComponent(jRadioButton2)

.addComponent(jRadioButton3))

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

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

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(16, 16, 16)))))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 18, Short.MAX\_VALUE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 264, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(31, 31, 31)

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

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(20, 20, 20)

.addComponent(jLabel4)

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

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

.addGroup(layout.createSequentialGroup()

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

.addComponent(jRadioButton1)

.addComponent(jButton1))

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

.addComponent(jRadioButton2)

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

.addComponent(jRadioButton3))

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 136, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(layout.createSequentialGroup()

.addGap(41, 41, 41)

.addComponent(jButton4)))

.addContainerGap(33, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

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

// TODO add your handling code here:

}

private void jRadioButton1ActionPerformed(java.awt.event.ActionEvent evt) {

if (jRadioButton1.isSelected()) {

jRadioButton2.setSelected(false);

jRadioButton3.setSelected(false);

}

}

private void jRadioButton2ActionPerformed(java.awt.event.ActionEvent evt) {

if (jRadioButton2.isSelected()) {

jRadioButton1.setSelected(false);

jRadioButton3.setSelected(false);

}

}

private void jRadioButton3ActionPerformed(java.awt.event.ActionEvent evt) {

if (jRadioButton3.isSelected()) {

jRadioButton2.setSelected(false);

jRadioButton1.setSelected(false);

}

}

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

String voterID = jTextField3.getText().trim();

String name = jTextField1.getText().trim();

if (name.isEmpty() || voterID.isEmpty() || jTextField2.getText().trim().isEmpty()) {

JOptionPane.showMessageDialog(rootPane, "Please fill in all fields");

return;

}

if (lastVoterID.equals(voterID)) {

JOptionPane.showMessageDialog(rootPane, "You have already voted once");

return;

}

if (jRadioButton1.isSelected()) {

p1++;

} else if (jRadioButton2.isSelected()) {

p2++;

} else if (jRadioButton3.isSelected()) {

p3++;

} else {

JOptionPane.showMessageDialog(rootPane, "Select a Party");

return;

}

lastVoterID = voterID;

voterDetails.put(voterID, new String[]{name, jTextField2.getText().trim()}); // Store voter details

jTextField1.setText("");

jTextField2.setText("");

jTextField3.setText("");

jRadioButton1.setSelected(false);

jRadioButton2.setSelected(false);

jRadioButton3.setSelected(false);

}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

if (p1 > p2 && p1 > p3) {

JOptionPane.showMessageDialog(rootPane, "Party A " + p1 + "\nParty B " + p2 + "\nParty C " + p3 + "\n\nPARTY A has a lead");

} else if (p2 > p1 && p2 > p3) {

JOptionPane.showMessageDialog(rootPane, "Party A " + p1 + "\nParty B " + p2 + "\nParty C " + p3 + "\n\nPARTY B has a lead");

} else if (p3 > p1 && p3 > p2) {

JOptionPane.showMessageDialog(rootPane, "Party A " + p1 + "\nParty B " + p2 + "\nParty C " + p3 + "\n\nPARTY C has a lead");

}

// Display voter details

StringBuilder details = new StringBuilder();

for (Map.Entry<String, String[]> entry : voterDetails.entrySet()) {

details.append("Name: ").append(entry.getValue()[0]).append(", Phone: ").append(entry.getValue()[1]).append(", Voter ID: ").append(entry.getKey()).append("\n");

}

jTextArea1.setText(details.toString());

}

public static void main(String args[]) {

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

public void run() {

new main\_page().setVisible(true);

}

});

}

// Variables declaration

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton4;

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.JRadioButton jRadioButton1;

private javax.swing.JRadioButton jRadioButton2;

private javax.swing.JRadioButton jRadioButton3;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTextArea jTextArea1;

private javax.swing.JTextField jTextField1;

private javax.swing.JTextField jTextField2;

private javax.swing.JTextField jTextField3;

// End of variables declaration

}