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\*/

package javaapplication8;

/\*\*

\*

\* @author THIS PC

\*/

import java.awt.FlowLayout;

import java.awt.Font;

import java.awt.GridBagConstraints;

import java.awt.GridBagLayout;

import java.awt.Insets;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.ButtonGroup;

import javax.swing.JButton;

import javax.swing.JCheckBox;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JPanel;

import javax.swing.JRadioButton;

import javax.swing.JScrollPane;

import javax.swing.JTextArea;

import javax.swing.JTextField;

public class JavaApplication8 {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) {

// TODO code application logic here

// Create a new JFrame

JFrame frame = new JFrame("Registration Form 2");

frame.setSize(600, 500);

frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

// Set layout manager to GridBagLayout

frame.setLayout(new GridBagLayout());

GridBagConstraints gbc = new GridBagConstraints();

gbc.insets = new Insets(5, 5, 5, 5); // Add some space between components

// Create and style heading label

JLabel headingLabel = new JLabel("REGISTRATION FORM");

headingLabel.setFont(new Font("Arial", Font.BOLD, 20));

// Create form elements

JLabel nameLabel = new JLabel("Name:");

JTextField nameField = new JTextField(20); // Set column size for width control

JLabel mobileLabel = new JLabel("Mobile:");

JTextField mobileField = new JTextField(20); // Set column size for width control

// Gender Radio Buttons

JLabel genderLabel = new JLabel("Gender:");

JRadioButton maleButton = new JRadioButton("Male");

JRadioButton femaleButton = new JRadioButton("Female");

ButtonGroup genderGroup = new ButtonGroup();

genderGroup.add(maleButton);

genderGroup.add(femaleButton);

JPanel genderPanel = new JPanel(new FlowLayout());

genderPanel.add(maleButton);

genderPanel.add(femaleButton);

// DOB Text Field

JLabel dobLabel = new JLabel("Date of Birth (DD/MM/YYYY):");

JTextField dobField = new JTextField(20); // Set column size for width control

// Address Text Field

JLabel addressLabel = new JLabel("Address:");

JTextField addressField = new JTextField(20); // Set column size for width control

// Checkbox for Terms and Conditions

JCheckBox termsCheckbox = new JCheckBox("I accept the terms and conditions");

// Submit Button and Reset Button

JButton submitButton = new JButton("Submit");

JButton resetButton = new JButton("Reset");

// Text Area for Displaying User Information

JLabel displayLabel = new JLabel("User Information:");

JTextArea displayArea = new JTextArea(5, 30); // Multi-line text area

displayArea.setEditable(false); // Make it read-only

JScrollPane scrollPane = new JScrollPane(displayArea); // Add scroll pane

// Add components to the frame with GridBagLayout constraints

gbc.gridx = 0; gbc.gridy = 0; gbc.gridwidth = 10;gbc.gridheight = 1;

frame.add(headingLabel, gbc);

// Name Field

gbc.gridx = 0; gbc.gridy = 1; gbc.gridwidth = 1;

frame.add(nameLabel, gbc);

gbc.gridx = 1; gbc.gridy = 1;

frame.add(nameField, gbc);

// Mobile Field

gbc.gridx = 0; gbc.gridy = 2;

frame.add(mobileLabel, gbc);

gbc.gridx = 1; gbc.gridy = 2;

frame.add(mobileField, gbc);

// Gender Radio Buttons

gbc.gridx = 0; gbc.gridy = 3;

frame.add(genderLabel, gbc);

gbc.gridx = 1; gbc.gridy = 3;

frame.add(genderPanel, gbc);

// DOB Field

gbc.gridx = 0; gbc.gridy = 4;

frame.add(dobLabel, gbc);

gbc.gridx = 1; gbc.gridy = 4;

frame.add(dobField, gbc);

// Address Field

gbc.gridx = 0; gbc.gridy = 5;

frame.add(addressLabel, gbc);

gbc.gridx = 1; gbc.gridy = 5;

frame.add(addressField, gbc);

// Terms Checkbox

gbc.gridx = 0; gbc.gridy = 6; gbc.gridwidth = 2;

frame.add(termsCheckbox, gbc);

// Submit Button

gbc.gridx = 0; gbc.gridy = 7;

frame.add(submitButton, gbc);

// Reset Button

gbc.gridx = 1; gbc.gridy = 7;

frame.add(resetButton, gbc);

// Display Label

gbc.gridx = 0; gbc.gridy = 8; gbc.gridwidth = 2;

frame.add(displayLabel, gbc);

// Display Area

gbc.gridx = 0; gbc.gridy = 9; gbc.gridwidth = 2;

frame.add(scrollPane, gbc);

// Add ActionListener to the Submit button

submitButton.addActionListener((ActionEvent e) -> {

String name = nameField.getText();

String mobile = mobileField.getText();

String gender = maleButton.isSelected() ? "Male" : (femaleButton.isSelected() ? "Female" : "Not selected");

String dob = dobField.getText();

String address = addressField.getText();

boolean acceptedTerms = termsCheckbox.isSelected();

// Validation and Display input

if (!name.isEmpty() && !mobile.isEmpty() && !gender.equals("Not selected") && !dob.isEmpty() && !address.isEmpty() && acceptedTerms) {

String userInfo = "Name: " + name + "\n"

+ "Mobile: " + mobile + "\n"

+ "Gender: " + gender + "\n"

+ "DOB: " + dob + "\n"

+ "Address: " + address;

displayArea.setText(userInfo); // Update the display area with user info

} else {

displayArea.setText("Please fill all fields and accept terms!");

}

});

// Add ActionListener to the Reset button

resetButton.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

// Reset all fields

nameField.setText("");

mobileField.setText("");

genderGroup.clearSelection();

dobField.setText("");

addressField.setText("");

termsCheckbox.setSelected(false);

displayArea.setText(""); // Clear display area

}

});

// Set the frame visibility

frame.setVisible(true);

}

}

