package guii;

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.\*;

public class GUII extends JFrame implements ActionListener {

private JRadioButton birdButton;

private JRadioButton catButton;

private JRadioButton dogButton;

private JRadioButton rabbitButton;

private JRadioButton pigButton;

private ButtonGroup group;

private JLabel picture;

public GUII() {

initComponents();

setTitle("RadioButtonDemo");

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

setSize(400, 300);

setLayout(new BorderLayout());

// Initialize radio buttons

birdButton = new JRadioButton("Bird");

catButton = new JRadioButton("Cat");

dogButton = new JRadioButton("Dog");

rabbitButton = new JRadioButton("Rabbit");

pigButton = new JRadioButton("Pig");

// Group the radio buttons

group = new ButtonGroup();

group.add(birdButton);

group.add(catButton);

group.add(dogButton);

group.add(rabbitButton);

group.add(pigButton);

// Select birdButton by default

birdButton.setSelected(true);

// Add action listeners

birdButton.addActionListener(this);

catButton.addActionListener(this);

dogButton.addActionListener(this);

rabbitButton.addActionListener(this);

pigButton.addActionListener(this);

// Add radio buttons to a panel

JPanel radioPanel = new JPanel();

radioPanel.setLayout(new GridLayout(5, 1));

radioPanel.add(birdButton);

radioPanel.add(catButton);

radioPanel.add(dogButton);

radioPanel.add(rabbitButton);

radioPanel.add(pigButton);

// Add radio panel to the frame

add(radioPanel, BorderLayout.WEST);

// Initialize picture label

picture = new JLabel();

picture.setHorizontalAlignment(SwingConstants.CENTER);

updatePicture("brrd.jpeg");// Initial picture

// Add picture label to the frame

add(picture, BorderLayout.CENTER);

}

@Override

public void actionPerformed(ActionEvent e) {

if (e.getSource() == birdButton) {

updatePicture("brrd.jpeg");

} else if (e.getSource() == catButton) {

updatePicture("catt.jpeg");

} else if (e.getSource() == dogButton) {

updatePicture("dog.jpeg");

} else if (e.getSource() == rabbitButton) {

updatePicture("rabbit.jpg");

} else if (e.getSource() == pigButton) {

updatePicture("pig.jpeg");

}

}

//

// JOptionPane.showMessageDialog(this, "You selected: " + selectedPet);

private void updatePicture(String imagePath) {

try {

ImageIcon icon = new ImageIcon(getClass().getResource("/" + imagePath));

picture.setIcon(icon);

} catch (Exception e) {

System.err.println("Error loading image: " + imagePath);

e.printStackTrace();

}

}

private void initComponents() {

// Method can remain empty or contain initial component setup

}

public static void main(String[] args) {

SwingUtilities.invokeLater(new Runnable() {

public void run() {

new GUII().setVisible(true);

}

});

}

}