import javax.swing.\*;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

public class RadioButtonProject {

public static void main(String[] args) {

JFrame frame = new JFrame("Pet Selector");

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

frame.setSize(400, 300);

JPanel panel = new JPanel();

panel.setLayout(new BorderLayout());

JLabel instructionLabel = new JLabel("Choose a pet:");

panel.add(instructionLabel, BorderLayout.NORTH);

JPanel radioPanel = new JPanel();

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

JLabel petImageLabel = new JLabel();

petImageLabel.setHorizontalAlignment(JLabel.CENTER);

panel.add(petImageLabel, BorderLayout.CENTER);

JRadioButton birdButton = new JRadioButton("Bird");

JRadioButton catButton = new JRadioButton("Cat");

JRadioButton dogButton = new JRadioButton("Dog");

JRadioButton rabbitButton = new JRadioButton("Rabbit");

JRadioButton pigButton = new JRadioButton("Pig");

ButtonGroup group = new ButtonGroup();

group.add(birdButton);

group.add(catButton);

group.add(dogButton);

group.add(rabbitButton);

group.add(pigButton);

radioPanel.add(birdButton);

radioPanel.add(catButton);

radioPanel.add(dogButton);

radioPanel.add(rabbitButton);

radioPanel.add(pigButton);

panel.add(radioPanel, BorderLayout.WEST);

ImageIcon birdIcon = new ImageIcon("bird.png");

ImageIcon catIcon = new ImageIcon("cat.png");

ImageIcon dogIcon = new ImageIcon("dog.png");

ImageIcon rabbitIcon = new ImageIcon("rabbit.png");

ImageIcon pigIcon = new ImageIcon("pig.png");

ActionListener listener = new ActionListener() {

public void actionPerformed(ActionEvent e) {

if (birdButton.isSelected()) {

petImageLabel.setIcon(birdIcon);

} else if (catButton.isSelected()) {

petImageLabel.setIcon(catIcon);

} else if (dogButton.isSelected()) {

petImageLabel.setIcon(dogIcon);

} else if (rabbitButton.isSelected()) {

petImageLabel.setIcon(rabbitIcon);

} else if (pigButton.isSelected()) {

petImageLabel.setIcon(pigIcon);

}

}

};

birdButton.addActionListener(listener);

catButton.addActionListener(listener);

dogButton.addActionListener(listener);

rabbitButton.addActionListener(listener);

pigButton.addActionListener(listener);

pigButton.setSelected(true);

petImageLabel.setIcon(pigIcon);

frame.add(panel);

frame.setVisible(true);

    }

}