import javax.swing.JFrame;

import javax.swing.JPanel;

import javax.swing.JComboBox;

import javax.swing.JButton;

import javax.swing.JLabel;

import javax.swing.JList;

import java.awt.BorderLayout;

import java.awt.event.ActionListener;

import java.awt.event.ActionEvent;

public class GuiApp1 {

//Note: Typically the main method will be in a

//separate class. As this is a simple one class

//example it's all in the one class.

public static void main(String[] args) {

new GuiApp1();

}

public GuiApp1()

{

JFrame guiFrame = new JFrame();

//make sure the program exits when the frame closes

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

guiFrame.setTitle("Example GUI");

guiFrame.setSize(300,250);

//This will center the JFrame in the middle of the screen

guiFrame.setLocationRelativeTo(null);

//Options for the JComboBox

String[] fruitOptions = {"Apple", "Apricot", "Banana"

,"Cherry", "Date", "Kiwi", "Orange", "Pear", "Strawberry"};

//Options for the JList

String[] vegOptions = {"Asparagus", "Beans", "Broccoli", "Cabbage"

, "Carrot", "Celery", "Cucumber", "Leek", "Mushroom"

, "Pepper", "Radish", "Shallot", "Spinach", "Swede"

, "Turnip"};

//The first JPanel contains a JLabel and JCombobox

final JPanel comboPanel = new JPanel();

JLabel comboLbl = new JLabel("Fruits:");

JComboBox fruits = new JComboBox(fruitOptions);

comboPanel.add(comboLbl);

comboPanel.add(fruits);

//Create the second JPanel. Add a JLabel and JList and

//make use the JPanel is not visible.

final JPanel listPanel = new JPanel();

listPanel.setVisible(false);

JLabel listLbl = new JLabel("Vegetables:");

JList vegs = new JList(vegOptions);

vegs.setLayoutOrientation(JList.HORIZONTAL\_WRAP);

listPanel.add(listLbl);

listPanel.add(vegs);

JButton vegFruitBut = new JButton( "Fruit or Veg");

//The ActionListener class is used to handle the

//event that happens when the user clicks the button.

//As there is not a lot that needs to happen we can

//define an anonymous inner class to make the code simpler.

vegFruitBut.addActionListener(new ActionListener()

{

@Override

public void actionPerformed(ActionEvent event)

{

//When the fruit of veg button is pressed

//the setVisible value of the listPanel and

//comboPanel is switched from true to

//value or vice versa.

listPanel.setVisible(!listPanel.isVisible());

comboPanel.setVisible(!comboPanel.isVisible());

}

});

//The JFrame uses the BorderLayout layout manager.

//Put the two JPanels and JButton in different areas.

guiFrame.add(comboPanel, BorderLayout.NORTH);

guiFrame.add(listPanel, BorderLayout.CENTER);

guiFrame.add(vegFruitBut,BorderLayout.SOUTH);

//make sure the JFrame is visible

guiFrame.setVisible(true);

}

}