**import java.awt**

**.BorderLayout**

**;**

**import java.awt**

**.FlowLayout**

**;**

**import java.awt**

**.event.ActionEvent**

**;**

**import java.awt**

**.event.ActionListener**

**;**

**import javax**

**.swing.JButton**

**;**

**import javax**

**.swing.JCheckBox**

**;**

**import javax**

**.swing.JFrame**

**;**

**import javax**

**.swing.JPanel**

**;**

**import javax**

**.swing.JTextArea**

**;**

**public class GUI extends JFrame**

**implements ActionListener**

**{**

**/\*\***

**\* The buttons.**

**\*/**

**JButton**

**myButton**

**= new JButton**

**("Quit");**

**JButton**

**myButton1**

**= new JButton**

**("Enter");**

**/\*\***

**\* The text area.**

**\*/**

**JTextArea**

**myText**

**= new JTextArea**

**("Please Login");**

**/\*\***

**\* The bottom panel which holds button.**

**\*/**

**JPanel**

**bottomPanel**

**= new JPanel**

**();**

**/\*\***

**\* The top level panel which holds all.**

**\*/**

**JPanel**

**holdAll**

**= new JPanel**

**();**

**/\*\***

**\* The constructor.**

**\*/**

**public GUI()**

**{**

**bottomPanel**

**.setLayout**

**(new FlowLayout**

**());**

**bottomPanel**

**.add(myButton1**

**);**

**bottomPanel**

**.add(myButton**

**);**

**holdAll**

**.setLayout**

**(new BorderLayout**

**());**

**holdAll**

**.add(bottomPanel**

**, BorderLayout**

**.SOUTH);**

**holdAll**

**.add(myText**

**, BorderLayout**

**.CENTER);**

**getContentPane**

**().add(holdAll**

**, BorderLayout**

**.CENTER);**

**myButton**

**.addActionListener**

**(this);**

**myButton1**

**.addActionListener**

**(this);**

**setDefaultCloseOperation**

**(DISPOSE\_ON\_CLOSE**

**);**

**}**

**/\*\***

**\* The program \* @param**

**args the program start up parameters, not used.**

**\*/**

**public static void main(String[] args)**

**{**

**GUI myApplication**

**= new GUI();**

**// Specify where will it appear on the screen:**

**myApplication**

**.setLocation**

**(10, 10);**

**myApplication**

**.setSize**

**(600, 600);**

**// Show it!**

**myApplication**

**.setVisible**

**(true);**

**}**

**/\*\***

**\* Each non abstract class that implements the ActionListener**

**\* must have this method.**

**\***

**\* @param**

**e the action event.**

**\*/**

**public void actionPerformed**

**(ActionEvent**

**e)**

**{**

**if (e.getSource**

**() == myButton**

**)**

**myText**

**.setText**

**("A button click");**

**else if (e.getSource**

**() == myButton1**

**)**

**myText**

**.setText**

**("The checkbox state changed to " +**

**myButton1**

**.isSelected**

**());**

**else**

**myText**

**.setText**

**("E ...?");**

**}**

**}**