

## EnigmaGUI.java

```
1 package EntireMachine;
2 import java.awt.*;
3 import javax.swing.*;
4 import EntireMachine.EnigmaMachine.KeyPressHandler;
5 import EntireMachine.EnigmaMachine.RSlot1Handler;
6 import EntireMachine.EnigmaMachine.RSlot2Handler;
7 import EntireMachine.EnigmaMachine.RSlot3Handler;
8
9 @SuppressWarnings({ "rawtypes", "unchecked" })
10 public class EnigmaGUI {
11
12     JFrame frame;
13     JButton btnTypeControl;
14     JTextPane textMessageDisplay;
15     JTextPane textRotorPos1;
16     JTextPane textRotorPos2;
17     JTextPane textRotorPos3;
18     JLabel lblRotors, lblRotorPosition;
19     JComboBox comboBoxRotorSelect1, comboBoxRotorSelect2, comboBoxRotorSelect3;
20
21     private static String[] possibleRotors = { String.valueOf('\0'), "I", "II", "III", "IV", "V"
22 };
23 // private Container con;
24
25
26
27
28 /**
29  * Initialize the contents of the frame.
30  */
31 public void EnigmaGUI(KeyPressHandler kHandler, RSlot1Handler r1Handler, RSlot2Handler
32 r2Handler, RSlot3Handler r3Handler) {
33
34     frame = new JFrame();
35     frame.setBounds(100, 100, 450, 400);
36     frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
37     frame.getContentPane().setLayout(null);
38
39     btnTypeControl = new JButton("Select to Type");
40     btnTypeControl.setBounds(125, 116, 200, 23);
41     btnTypeControl.addKeyListener(kHandler);
42     frame.getContentPane().add(btnTypeControl);
43
44     textMessageDisplay = new JTextPane();
45     textMessageDisplay.setBounds(25, 150, 385, 200);
46     frame.getContentPane().add(textMessageDisplay);
47
48     //*****Rotor Position Select and Display*****//
49     textRotorPos1 = new JTextPane();
50     textRotorPos1.setBounds(275, 75, 50, 25);
51     frame.getContentPane().add(textRotorPos1);
52
53     textRotorPos2 = new JTextPane();
54     textRotorPos2.setBounds(200, 75, 50, 25);
55     frame.getContentPane().add(textRotorPos2);
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56
57     textRotorPos3 = new JTextPane();
58     textRotorPos3.setBounds(125, 75, 50, 25);
59     frame.getContentPane().add(textRotorPos3);
60
61
62     //*****Label Boxes*****//
63     lblRotors = new JLabel("Rotors");
64     lblRotors.setFont(new Font("Tahoma", Font.BOLD, 12));
65     lblRotors.setBounds(204, 10, 46, 14);
66     frame.getContentPane().add(lblRotors);
67
68     lblRotorPosition = new JLabel("Position");
69     lblRotorPosition.setFont(lblRotorPosition.getFont().deriveFont(lblRotorPosition.getFont()
70 (.getStyle() | Font.BOLD));
71     lblRotorPosition.setBounds(200, 60, 46, 14);
72     frame.getContentPane().add(lblRotorPosition);
73
74     //*****Rotor Selection and Display*****//
75     comboBoxRotorSelect1 = new JComboBox(possibleRotors);
76     comboBoxRotorSelect1.setBounds(125, 30, 50, 22);
77     comboBoxRotorSelect1.addActionListener(r1Handler);
78     frame.getContentPane().add(comboBoxRotorSelect1);
79
80     comboBoxRotorSelect2 = new JComboBox(possibleRotors);
81     comboBoxRotorSelect2.setBounds(200, 30, 50, 22);
82     comboBoxRotorSelect2.addActionListener(r2Handler);
83     frame.getContentPane().add(comboBoxRotorSelect2);
84
85     comboBoxRotorSelect3 = new JComboBox(possibleRotors);
86     comboBoxRotorSelect3.setBounds(275, 30, 50, 22);
87     comboBoxRotorSelect3.addActionListener(r3Handler);
88     frame.getContentPane().add(comboBoxRotorSelect3);
89
90
91 //     con = frame.getContentPane();
92     frame.setVisible(true);
93
94     return;
95 }
96
97
98 }
99
```