

Module 3 OverviewZyBooks - IntroductionTopic ModuleModule 3: Critical ThinkingHTML Color Empowered.comWriting CenterCriticalThinking3JustinDerengo

https://github.com/JustinDerengo/CriticalThinking3/blob/master/src/userInterface/UserInterface.java

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```
1 package userInterface;
2
3 import javax.swing.*;
4 import java.awt.*;
5 import java.awt.event.*;
6 import java.io.*;
7 import java.util.Date;
8 import java.text.SimpleDateFormat;
9
10 @SuppressWarnings("serial")//not sure what this does, but eclipse gave it as a warning and solution
11 public class UserInterface extends JFrame {
12
13     private JTextArea textArea;
14     private JMenu menu;
15
16     public UserInterface() {
17
18         //Initializes new JFrame, w/ a scroll pane for text, and a JMenuBar w/ menu and menu items
19         setTitle("Menu Example");
20         setSize(400, 300);
21         setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
22
23         textArea = new JTextArea();
24         JScrollPane scrollPane = new JScrollPane(textArea);
25         add(scrollPane, BorderLayout.CENTER);
26
27         JMenuBar menuBar = new JMenuBar();
28         setJMenuBar(menuBar);
29
```

CriticalThinking3/src/userInterf

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CriticalThinking3 / src / userInterface / UserInterface.java

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```
11 public class UserInterface extends JFrame {
16     public UserInterface() {
17
18         menu = new JMenu("Menu");
19
20         JMenuItem dateTimeItem = new JMenuItem("Print Date and Time");
21         JMenuItem saveToFileItem = new JMenuItem("Save to File");
22         JMenuItem changeBackgroundColorItem = new JMenuItem("Change Background Color");
23         JMenuItem exitItem = new JMenuItem("Exit");
24
25         //need to add action listeners to the menu items so they will run class methods when selected
26         dateTimeItem.addActionListener(new ActionListener() {
27             public void actionPerformed(ActionEvent e) {
28                 printDateTime();
29             }
30         });
31
32         saveToFileItem.addActionListener(new ActionListener() {
33             public void actionPerformed(ActionEvent e) {
34                 saveToFile();
35             }
36         });
37
38         changeBackgroundColorItem.addActionListener(new ActionListener() {
39             public void actionPerformed(ActionEvent e) {
40                 changeBackgroundColor();
41             }
42         });
43
44     }
45 }
```