

Module 3 Overview ZyBooks - Introduction Topic: Module 3: Critical Thinking HTML Color P empoweredcomic Writing Center PDF 24 ✓ Convert to Commits X + -

https://github.com/JustinDerengo/CriticalThinking3/commits/master

Import bookmarks... Roll20: Online virtual t... 5e Weapons, Expande... 5etools Carepatron IBX Dashboard Page Thingiverse - Digital D... Discover STL files for 3... Other Bookmarks

Code is clean, no errors, program runs correctly	7fb423e	<>
successful test run of function, pre cleanup of code	2a0f9d8	<>
possible finish, pre test run	aa3cc5d	<>
adding menu and starting event listeners	7a9d71d	<>
changeBackgroundColor method	c6f8cfd	<>
saveToFileMethod	9aff2ac	<>
.project	72729af	<>
printDateTime	100d815	<>
Initialize frame, pseudocode Menu Items	b993118	<>
intialize and import	dccfc25	<>
Initialize project	dfc72ae	<>

eclipse-workspace - src/userInterface.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer X

- averageMonthlyTemp
- CalculateMPG
- CalculateWeeklyTax
- portfolioProject
- restaurant
- scannerMethod
- userInterface [userInterface master]
 - JRE System Library [JavaSE-17]
 - src
 - userInterface
 - Main.java
 - UserInterface.java
 - log.txt
 - whileLoop

Git Repositories X

- Working Tree - C:\Users\Justin\git\Ci
 - .git
 - .settings
 - bin
 - src
 - userInterface
 - Main.java
 - UserInterface.java
 - .classpath
 - .gitignore
 - .project

UserInterface.java X Main.java

```
84
85  /*
86   * this method will try to create a new log.txt file using FileWriter, BufferedWriter, and PrintWriter
87   * and will display a message when it is done, or failed
88   * @param:none
89   * @return:void
90   * @throws:error saving to file
91   */
92  private void saveToFile() {
93      try (FileWriter writer = new FileWriter("log.txt", true);
94           BufferedWriter bufferedWriter = new BufferedWriter(writer);
95           PrintWriter out = new PrintWriter(bufferedWriter)) {
96          String text = textArea.getText();
97          out.println(text);
98          JOptionPane.showMessageDialog(this, "Saved to log.txt");
99      } catch (IOException e) {
100         JOptionPane.showMessageDialog(this, "Error saving to file: " + e.getMessage());
101      }
102  }
103
104  /*
105   * this method will change the background color of the text field to a random hue of orange
106   * on a scale from red to yellow using Math.random and Color object
107   * @param:none
108   * @return:none
109   * @throws:none
110   */
111  private void changeBackgroundColor() {
112      int red = 255;
113      int green = (int) (Math.random() * 256);
114      int blue = 0;
115
116      Color randomOrangeHue = new Color(red, green, blue);
117      textArea.setBackground(randomOrangeHue);
118  }
119  }
120
```

Outline X

- userInterface
- userInterface
 - textArea : JTextArea
 - menu : JMenu
- UserInterface()
 - new ActionListener() { ... }
 - actionPerformed(ActionEvent)
 - new ActionListener() { ... }
 - actionPerformed(ActionEvent)
 - new ActionListener() { ... }
 - actionPerformed(ActionEvent)
 - new ActionListener() { ... }
 - actionPerformed(ActionEvent)
- printDateTime() : void
- saveToFile() : void
- changeBackgroundColor() : void

Problems Javadoc Declaration Terminal Console Error Log Git Staging X

Filter files

userInterface [master]

userInterface