

## Lab Exercise Five – CIS\*2430 F24

For this lab exercise, we will continue adding to our DiscussionBoard program with GUI

- Add a GUI to our program for 3 functions of our DiscussionBoard Program. Each should be implemented as a separate panel on its own:
  - Register a user
  - Create a text post
  - Search posts by username
- Mockup GUIs for each function can be found in the Lab 5 slides
  - Any messages generated by each function can be displayed in the text area on the right-hand side of the window
  - It is your choice if you want to clear the messages text area when the user changes panel
- Each panel should be accessible through an “Options” menu at the top of the window
- Your program should still be able to handle various errors and notify the user (e.g. blank username when searching, no post title, etc)

\* This lab will only be tested with TextPosts. If you have not implemented PollPosts in lab 3 you do not need to implement them in lab 5 to achieve full marks!

\* A word is defined as a set of alpha-numeric characters surrounded by spaces

\* All posts will be a single line of words, all fullnames will be a single line of words, and all usernames will be single words

\* Keywords are matched by ignoring cases but word-by-word (e.g., “program” and “programming” are not a match), implying that string tokenization is needed

### **Sample Text Post Printout**

Post #<post\_id>

Created By: <user\_full\_name> (@<user\_name>)

Title: <post\_title>

<post\_content>

### **Sample Poll Post Printout (if you are building your implementation from Lab 3 Exercise):**

Post #<post\_id>

Created By: <user\_full\_name> (@<user\_name>)

Title: <post\_title>

<option\_1\_text>: <option\_1\_count>

<option\_2\_text>: <option\_2\_count>

<option\_3\_text>: <option\_3\_count>

## Marking Rubric

**10 marks total**

**2 marks** for the menu bar

**2 marks each** for the three implemented panels

**2 marks** for error handling with message printout

## Submission Requirements

Please submit all related java files + runnable jar as a zip file on CourseLink. Please place your main method in DiscussionBoard.java with your name, student id, and compile and run commands as comments at the top. If you are building Lab 4 implementation on top of Lab 3 exercise, please also submit a save file named “cis2430.dboard” in a “boards” folder inside the zip file.

## Due Dates

Lab Section	Due Date
0101 & 0201	November 22, 2024 @ 11:59pm
0102 & 0202	November 21, 2024 @ 11:59pm
0103 & 0203	November 27, 2024 @ 11:59pm
0104 & 0204	November 23, 2024 @ 11:59pm
0105 & 0205	November 26, 2024 @ 11:59pm
0106 & 0206	November 27, 2024 @ 11:59pm
0107 & 0207	November 26, 2024 @ 11:59pm