

Module 5 – Assignment B – File Input & Output

- As we are tight for time, there is no pseudocode requirement for this assignment

Part 1:

- Create a visually appealing JavaFX user login application with two user options from the main form:
 - o Option 1: Allow a user to create a new account.
 - Prompt them for a username and password, make them enter the password twice
 - Check that the username is new
 - Enter the new username to the existing textfile called userData.txt
 - o Option 2: Login
 - Allow an existing user to enter the program by providing a username and password
 - The username and password combination must match a combo existing in the textfile userData.txt – see the sample provided.
- The actual program that appears after logging in can be as simple as saying “Welcome!”

Part 2: Optional Bonus

- Create a FindThenReplace application that prompts the user for a file name, a search word or phrase, and a replacement word or phrase. After entering the replacement word or phrase, FindAndReplace finds all occurrences of the search word or phrase in a file and replaces them with the specified replacement word or phrase

Module 5 – Assignment B – LoginApplication Rubric

Categories	Level 1 (50 – 59%)	Level 2 (60 – 69%)	Level 3 (70 – 79%)	Level 4 (80 – 100%)
Program Execution (weight: 2)	Program doesn't run properly, or the output has serious errors.	Program runs properly. Output has errors. The provided client code will not run properly, but student provided client does run properly	Program runs properly. Output is correct with only minor errors. The provided client code will run properly	Program runs properly as is. The output is identical or superior to the sample provided. The provided client code will run properly.
Source code (weight: 4)	Coding conventions are missing or incomplete.	Coding conventions are followed with some attention to detail	Coding conventions are followed with considerable attention to detail	Coding conventions are followed with thorough attention to detail
Programming Concepts (weight: 5) Focus: JavaFX, File I/O	Few of the programming concepts from the unit are used properly	Some of the programming concepts from the unit are used properly	Most of the programming concepts from the unit are used properly	Many or all of the programming concepts from the unit are used properly to maximize the efficiency of the code