Computer Science 112

Computer Science with C++ and Java

Spring, 2019

Lab Report – Week *[4]* - *[Directory Copy]*

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[SPRING]

Assignment Analysis and Design

The though process for designing this was to understand the basics of file manipulation with the task of displaying it on a GUI. That is what I have done. I created firstly in MS paint how it will look and after how each button should execute. My computer crashed, and I no longer have this. The code I wrote clearly displays how everything should work and it is neatly designed. But how would I know if it wasn't made correctly? The individuals I asked to use the program have no idea about the underlying mechanics so I've learned minimal.

My code will differ from others from the simple fact I chose to incorporate the entire chapter into my design. I really tried to take all the information I read online about this project and complete the project.

The code I wrote will do the following:

1. *Completely copy a directory and all its contents (while making sure to not overwrite existing files)*

2. *List all the files in the directory typed into the search bar*

3. *List a count of all the directories contents*

4. *Open a directory typed into the search bar*

5. *Delete a directory typed into the search bar (if permission is admin)*

Assignment Code

Include the code for your assignment Unless otherwise directed by the assignment or by your instructor, that will be a zipped copy of your NetBeans project attached to the report.

You can put the report and the NetBeans project all in one zipped folder. In the report, either tell the reader that it is attached file or include the code.

A zipped folder may contain another zipped folder. You can copy the zipped folder for your NetBeans project and your lab report into a folder for your assignment, then zip the assignment folder.

Assignment Testing

I had to use the internet to figure out the problem with my code. Nothing I haven't had to do in the past. The problem I had in the beginning was copying the folders using the dual parameter File constructor. After some searching I found out what I was doing wrong and implemented a new method.

Assignment Evaluation

I am going to continue to better the design I made because I know I could've made an interactive GUI with a list text box area where users can click on folders retrieved from the File import. That was what I was going to ask on Monday.