Learning Journal

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**Friday, 9/04/2021, 6 – 9 am: Reading Assignment:** After reviewing some of the work we did last term, I read in chapter 8 of the book about the analysis of algorithms. I cannot wait till we go into more detail about it in future courses. Nevertheless, just know about them what I know about them now is fascinating.

**Friday, 9/04/2021, 10 – 3 pm: Lab\_1:** I coded in C++ this vacation so when I came back to Java I had to look up a lot of syntax and get a feel for how the language worked again. Therefore, I decided that it would be good for me to do Lab\_1 to get back into Java. It was fun and challenging at the same time, nevertheless, I got it up and running using some GUI components. However, I would like to keep working on it and improve some of the implementations of it.

**Friday, 9/04/2021, 4 – 5 pm: Discussion Assignment:** I enjoyed the discussions topic this week. It can be quite tricky to know what the correct answer is if you miss read that part in the book. However, I also feel that even though the answer is that the program is responsible for handling exceptions that the programmer is ultimately responsible.

**Saturday, 10/04/2021, 8 – 5 pm: Programming Assignment / Lab\_2 Part 1:** I enjoy working with algorithms. I chose to implement the selection sort algorithm with it’s O(n^2) run time. However, the difference between the selection sort algorithm and whatever algorithm Java uses as a part of it’s standard is massive. Therefore, I cannot stop and wonder what it is. However, when I researched this it states that Java is using a dual-pivot quick sort algorithm, but, can that be? I thought the merge sort is faster than the quick sort?

**Monday, 12/04/2021, 8 – 12 am: Programming Assignment /Lab\_2 Part 2:** Part two of this week’s lab\_2 was very interesting. I got to deal with some more of Java’s networking and file handling mechanism. Furthermore, I finished it, or at least I think I did since all it wrote to the file was HTLM, JavaScript, and CSS code. However, I would like to return to this lab when we do File handling and Networking. Maybe I missed something that I do not see now.