Santiago Sued

04/09/2023

CMSC204 Assignment 5

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**Lessons Learned:**

The morse code tree assignment was challenging. I had to utilize complex recursion for the first time, and I didn’t read the word document correctly, meaning that I thought that I had to read the morse code from right to left instead of left to right. After I discovered this mistake, I had little trouble coding the rest of it as I just had to reverse my steps.

I learned to use tree nodes and inorder searching as well as how to create and extract data from these structures. I believe I have a strong grasp of data types now.

I tried reading the word document carefully but still I made a few silly mistakes. I spent hours trying to debug my code and found out that I had made a silly shadowing error because I used root as the function variable when it is also a global variable.

**UML Diagram:**

**A picture containing diagram

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