Homework 4 – Report

BSTs (Templates)

Project: Employee Data base

Name: Velly Simeonov

Difficulty: (8+) Working with some body else's code without completely changing the architecture is tough.

I started Nov.6th the Monday of the week.

It took me quite a bit of time, I did not keep track but certainly at least twice as much as previous assignments.

Accepting the BST as it is and writing the incomplete functions as they are without changing their parameters to what I find more suitable was tough. Outside of requirements, trying to convert the BST into an array() took a whole day trying to figure out a reliable way of knowing which index to put the node's data in recursively. Adding a depth value to the data structure was much simpler but also necessary to know how big the array must be.

I used the necessary files, and the Queue.h file from previous assignments.

There were a lot of incomplete function definitions which had no comments like //TO DO for easy searching, that would be much appreciated for next time.

Build BST (10/10)

Insert BST (10/10)

Recursive Depth-First Traversals (15/15)

Breadth-First Traversal (10/10)

Print Tree (15/15)

Print Smallest (5/5)

Print Largest (5/5)

Search BST (15/15)

Destroy Tree (5/5)

main() (5/5)

Self Assessment Report (5/5)

Final Score: 100/100