Professional Integrity Report (CPS101)

Student Name: Brenden O'Brien **Assignment #: 6**

It took me 12 **hours to complete the assignment.**

Other than the textbook and class materials, I received the following help and referenced these resources (provide the details on what you have borrowed and learnt from each).

Geeks4geeks.com for help with displaying trie, and removing words from trie

These parts of the program work well:

the trials with BSTs run well for their purpose, same with Trie trial. String BST trial case runs exceptionally well.

These parts of the program don't work well (please identify the specific problem):

I'm sure I have not handled every potential case where an exception could occur; (i.e. entering a character for the integer BST), I also have not set up user-friendly work around when these problems occur. If the user enters the incorrect data type the tree will just be empty.

I learnt the following in doing the assignment:

I have found that non-linear data structures like BSTs and Tries are exceptional for their precision when adding, searching, or even removing a new item. They are great for maintaining organization and it's own organization is what allows for such efficiency.

The difficulties I encountered were:

I had some difficulty somewhere in my remove method, After a node would be removed sometimes the resulting displayed tree would have the removed node's child still in place with he removed nodes data being equal to the child.

Here are some other comments or suggestions: