Steve Vought

132 Lab Report 11

**Section I**

Students understood how to recursively call a function. Most students understood how to get the binary search method to work properly. Students have a great understanding of the if/else if/else structure as well as function parameters.

**Section II**

Students struggled with getting the counter to properly track how many times the binary search method was called. Some students struggled with understanding when to return false compared to when they should return true from the method. Most students were able to complete the lab quickly then asked many questions on project 4 as they were all struggling with the stack validator method.

**Section III**

I would suggest more practice with recursive methods and when/where they are suitable. Some students ran into their recursive method running forever until crashing system, had to explain how the method was calling itself repeatedly as it never knew when to stop. I would also suggest more practice with searching algorithms, some students didn’t understand why they wouldn’t just iterate through one at a time.

**Section IV**

Assisting students in this lab increased my ability to apply my knowledge of computer science. Lab was easy for the most part and majority of the 2 hours was spent assisting with project 4, stack call validation. I had not spent much time looking at the project as I am there to help with the lab, but after looking at the project with a few students I was able to give some good direction. Not having seen the project before, I felt my computer science skills showed as I was able to understand the problem and think through the process of solving it. I was then able to communicate this process to the students and help them understand how to break the problem down as well.