

1) My programming partner for this assignment was Ryan Williams. Ryan is the one that submitted the source code of our program.

2) We switched roles a few times, not a whole lot. I was fine with how much we switched, because we would both have input on how to do something and discuss which is more efficient, then type it in and see how it worked.

3) My programming partner was awesome, I would definitely work with him again.

4) If we had used a list and not an array to back the sorted set, we could have used the methods included in the list instead of having to program them into our methods. Things like sorting would be easier. A Java list would have been more efficient with running time, and in development time.

5) I expect the big O notation for the contains method in sorted set to be N .

6) Yes, the growth rate of running times does match the big O behavior that I predicted in question 5.

7) It takes N to find the correct position at which to add an item. In the worst case it would take N to locate the correct position at which to add an item.

8) We spent about 15 hours programming this assignment.