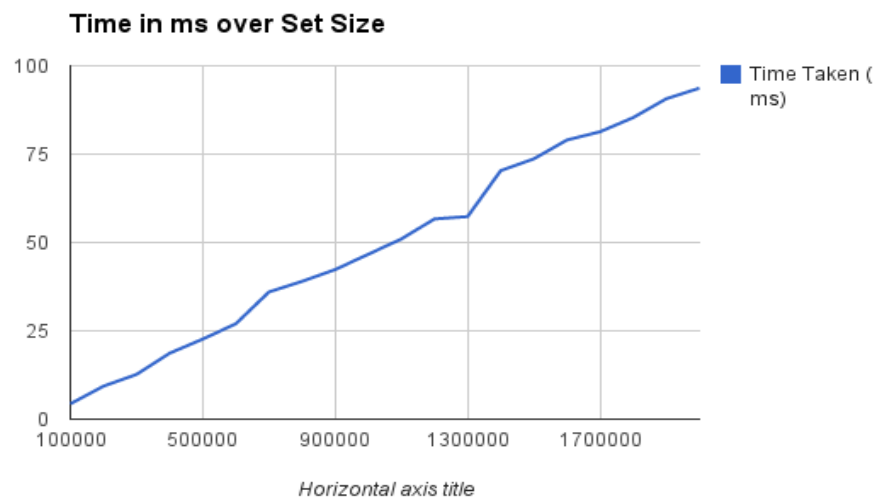Nicholas Manuell
Assignment 3 Analysis

1. Alexander Herrmann was my programming partner and submitted to source code for our program.
2. We switched roles a lot less times on this project, and I would have liked to switch a few more times to get a better grasp on the project.
3. Alexander was a great programming partner, and I intend to work with him again.
4. The implementation would have been simpler to program, but less efficient than using arrays. Re-allocation and copying wouldn't be used.
5. The behavior would have been O(log N) because it becomes smaller exponentially.
6.

Time in ms over Set Size

Horizontal axis title

The growth rate of the run times followed a behavior more similar to N, rather than O(log N)

8. We spent around 12 hours on this assignment.