Seth Adkins

CPSC 350

Dr. German

5/22/21

I really enjoyed this project because I enjoyed learning about the different algorithms - what they do, how they do it, and how the different methods provide such different strengths and outcomes - and I liked being able to see it in real-time. I know my laptop isn't the most incredibly powerful computer out there, but it can do some pretty incredible things with its hardware used right.

The difference between the different algorithms wasn't quite as dramatic as I thought they might be, especially with the merge sort. My merge sort, which very well could have been faulty, didn't outperform many of the simple algorithms by a whole lot. That, as well as how well my quick sort did actually perform, surprised me. However, I understand that these are just (pseudo)random tests that don't necessarily tell the perfect story of this. These could have been one in a million tests that are very much outliers. Although, I still think that quicksort will be my go-to method for this task if I can use recursion.

My favorite part of this assignment was thinking about the ways that this applies to so much that we do as programmers. Paying close attention to the ways we are preparing solutions to our programming problems is very important and it's what I enjoy about it because we can create really interesting and incredibly useful strategies to use this technology. Hopefully, I can take these strategies of working to understand all of the context of the problem to be a truly effective programmer in my future.