

Computer Science 130a

Project Write-Up

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For this project, all of the functions implemented work in at least some cases. I did, however, struggle with the “./input2/34” file. For this input file the program crashed on the CountN function, which otherwise works in all other test files. Therefore, I am led to believe that some function is not implemented correctly, however, I was unable to pinpoint which one exactly.

The biggest struggle with this project was definitely segmentation faults resulting from not thoroughly checking conditions. What made this extra difficult was that these issues did not arise while I was doing unit tests on the project, and therefore were only revealed once I started using the test files. To avoid this the next time around, I will definitely pay more attention to checking against all combinations of states for the data structures when implementing functions.

Another big challenge with this project was time management. It was very difficult to assess the workload of the project, because around every corner new issues would arise that would, in some instances, add additional hours to the work time. And so, even when I felt very close to finishing, I was often very wrong. I think the best way to approach this next time around would be to assume tasks, no matter how simple, will take longer than expected, and calculate that into delegated work time.