Project 2 Documentation

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# Approach

My approach to this project was very similar to the approach I took with project 1. I am very unfamiliar with both Flex and Bison, as well as Ubuntu and the command terminal. After watching all the provided videos and looking over the skeleton code and test files, I had a decent foundation to begin this week’s project. I then went through the project requirements, so I understood exactly what I was working towards. The provided approach document was extremely helpful. It was almost a step by step guide that kept me on track. I used all the included test cases to ensure the program functioned as intended. I felt that the provided test cases also did a great job of covering all the rubric requirements.

# Test Plan

To test my program, I used all test cases from both the project requirements document as well as all test cases from the approach document. These test cases covered all criteria from the rubric and were highly effective. Since there are so many of them, I included all the .txt test files in my submission.

# Lessons Learned

There were many lessons learned during the completion of this project. The main struggle was understanding the right and left recursion along with precedence. Once I understood the “waterfall” approach to the operator precedence it made things much easier. Many of my issues were due to syntax errors on my end. Overall, I feel like I have a stronger understanding of Bison and Flex because of these projects.