EE422C Project 3 (Word Ladder) Team Plan

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Jonathan started the BFS function initially, and both partners helped finish the BFS function together. Andrew started coding the DFS module and, likewise, both partners finished the function together.

We spent approximately seven hours programming together in the same room, and about four hours between both partners working on the code individually. While working individually, Jonathan added helper functions that enabled the BFS to return the correct word ladder. Andrew began writing the DFS function and visited the TA for help with the recursive aspect of the function.

We debugged the final version of the code together after finishing the DFS function. Each partner entered different test cases, to ensure the program returned the appropriate output. We spent considerable time debugging a stack overflow error in the DFS function which was caused by a pair of words with no word ladder.

We finished the project by working on the on our own time. Jonathan reviewed the code and added additional comments to help improve clarity, and Andrew worked on a hasDuplicates method that we used for testing. We believed our algorithm worked well enough that we would not have duplicates, but we used this method during our trials to make this fact certain.