

EE422C Project 3 (WordLadder) Team Plan

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We both sat down together and went over the guidelines for the project. Then we designed our algorithms for both BFS and DFS. Karl then wrote the code for DFS and Chris wrote the code for BFS. We then combined the code together with the Main, Words, Ladders, and Searched classes. Then we met together again and discussed testing and bug checking for the implemented code. Then we wrote up a plan for 5 test cases. The first is testing BFS forwards and backwards. The second is testing DFS vs BFS, making sure that BFS is less than or equal to DFS in terms of Ladder length. The third is testing DFS vs BFS, making sure that there is either a ladder for both, or isn't a ladder for either. The fourth is testing to make sure the algorithms work with a keyboard input. The fifth is testing to make sure that the algorithms work with a file input. Then the code was written, and tests were run. We spent around 4-5 hours together and communicated through texting when we weren't together often.