# EE422C Project 3 (Word Ladder)  Team Plan

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We met together five times to work on this project for a total of 14 hours. When we first met on Tuesday, June 26th, we developed the pseudocode for the whole project together and divided the project into five parts. The first and easiest part of the project was managing the projects IO through the parse and print functions. This was completed by Keiran on Tuesday and debugged by Christian on Friday. The second part of the project revolved around generating valid neighbor combinations for a given word and Christian completed this part on Tuesday with Keiran debugging it on Wednesday. The third part was the development of the BFS and this was completed by Keiran on Tuesday and debugged by Christian on Wednesday. This function would be slightly modified to be made more time efficient on Thursday by Keiran and was debugged by Christian that same day.

The fourth part of the program was the development of the DFS. This was done by both of us on Thursday during and immediately following Moez office hours. We also debugged this function together on Friday. The final part of the project was making test cases and developing an efficient system for validating the outputted word ladders. This was completed on Friday. Christian wrote a helper function that checked if two words were neighbors while Keiran wrote the "validate()" method that used Christian's helper function to test if a word ladder was valid. Together, we then developed five test cases to test the edge cases of our program and we met on Monday to run the JUNIT test cases and grading scripts while finalizing all of our deliverables.