

## EE422C Project 3 (Word Ladder) Test Plan

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Test plan summary

What was your goal, methodology, and conclusion? What areas did you feel you covered in your final test suite? What did you not cover?

*We used integration tests to test our code. We tested using both the large and short dictionaries with a range of different inputs. We targeted the inputs to test corner cases of the code. We did not test with different dictionaries, or with special inputs that could not be obtained without using main();*

- 1) Testing for same word input
  - Outputs a 0 rung ladder
- 2) Testing for words that don't exist in the dictionary
  - Made sure that what prints out that the ladder does not exist and an "invalid input" message
- 3) Testing 2 words that are not connected with short dictionary
  - Made sure that the edge case of unconnected nodes resulted in the ladder not existing. We used only the short dictionary for this as we felt that trying to find 2 unconnected words in the long dictionary would be tedious
- 4) Testing whitespace
  - Error at first, fixed to allow for larger whitespaces such as tab and newline