My initial test plan for BFS/DFS involved using the console; I inputted various command combinations with words from the dictionary to see if my word ladders were satisfactory and without loops.

After this, I ran the 5 Junit tests – upon successful completion of four of these, I realized that my printLadder method wasn’t working up to par, so I edited this and fixed it. After having 5/5 Junit tests, I found it unnecessary to create any more.

After this, I ran my program against the sample grading script, and I was satisfied with the results.

I created many test cases, here are a few of them:

1. Hello \quit

Results in a terminated program

1. Hello Cells

1-rung BFS ladder, 4021-rung DFS ladder

1. \quit

Results in a terminated program

1. Smart Money

9-rung BFS ladder, 3917-rung DFS ladder

1. Idiom Model

No word ladders could be constructed

1. Model Hotel

1-rung BFS ladder, 15-rung DFS ladder