

# Testing Procedure

We will test various cases in our testing suite. Our first and most basic test makes sure that the word ladder between money and honey can be formed. The test program calls wordLadder, passing the arguments of “money” and “honey”, and stores the result in a List object. Validate result is then called on this list, and an assert statement makes sure that validate result returns true. A similar procedure is followed in all of our cases. Our next case ensures that a valid path is created between “heads” and “tails” (another case provided in the lab report). Then we test to make sure a valid ladder is created between “drive” and “hello”. Then, we test a corner case: testing if one of the parameters is a 4-letter word instead of 5. We test to see if calling the wordLadder between “hello” and “ryan” throws a NoSuchLadderException. If it does, the test case passes. We similarly test if the exception is thrown when testing “aargh” and “zowie”. Our final test case tests the corner case of passing the same word as both the StartWord and EndWord: we pass “money” as both arguments.