**Assignment 3 Solution Template**

Fill in the information for each test that you develop for the 4 tables below. Add more rows as required to list all possible tests for each type. Do not repeat tests which have already been used to test a particular description. Use as many rows as needed to capture all of your tests. Each of the four tables may span more than one page if necessary.

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| **Representative Input Tests** | | | | | |
| **Test #** | **Test Description** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **1** | Simple test with a pair of input. | **first word**: “the quick brown fox jumped over the lazy dog.”  **second word**: “brown fox jumped over the lazy dog.” | Similarity scores displayed and report with single grade | Similarity scores displayed. | Pass |
| 2 | Test two identical words | First word:”a duck is trying to across the street”  Second word:”a duck is trying to across the street” | 100% similarity, A grade | 100% similarity, A grade | Pass |
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| **Functional Coverage Tests** | | | | | |
| **Test #** | **Test Description** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **1** | Test game continue path | **first word**: “quick brown fox”  **second word**: “fox” | Given input Y, game continues | Game continues after input Y | Pass |
| 2 | test input with A grade | First word:” cs250 is very hard”  Second word:” Cs250 is very hard” | 94% similarity, A grade | 94% similarity, A grade | Pass |
| 3 | Test inputs with B grade | First word:”computer”  Second word:”computers” | 88% similarity, B grade | 88% similarity, B grade | Pass |
| 4 | Test inputs with C grade | First word:”9001”  Second word:”9002” | 75% similarity, C grade | 75% similarity, C grade | Pass |
| 5 | Test inputs with D grade | First word:”test1111”  Second word:”test1222” | 62% similarity, D grade | 62% similarity, D grade | Pass |
| 6 | Test inputs with E grade | First word:”testtest1111”  Second word:”testtest0000” | 58% similarity, E grade | 58% similarity, F grade | Fail |
| 7 | Test inputs with F grade | First word:”TEST”  Second word:”Test” | 25% similarity, F grade | 25% similarity, F grade | Pass |
| 8 | Test game stop path | **first word**: “brown fox”  **second word**: “fox” | Given input N, game stop | Given input N, game stop | Pass |

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| **Boundary Values Tests** | | | | | |
| **Test #** | **Test Description** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **1** | No load/load test: 1 blank sentence, 1 normal sentence test | **first word**: “”  **second word**: “alexandre” | 0% similarity, F grade | 0% similarity, F grade | Pass |
| 2 | Large load/single load:1 long sentence, 1 single character | **first word**: “My very photogenic mother died in a freak accident (picnic, lightning) when I was three, and, save for a pocket of warmth in the darkest past, nothing of her subsists within the hollows and dells of memory, over which, if you can still stand my style (I am writing under observation), the sun of my infancy had set: surely, you all know those redolent remnants of day suspended, with the midges, about some hedge in bloom or suddenly entered and traversed by the rambler, at the bottom of a hill, in the summer dusk; a furry warmth, golden midges.”  **second word**: “a” | 0% similarity, F grade | 0% similarity, F grade | Pass |
| 3 | Letter boundary test: 1 single letter a, 1 single letter z | **first word**: “a”  **second word**: “z” | 0% similarity, F grade | 0% similarity, F grade | Pass |
| 4 | Number boundary test 1: 0, one positive number | **first word**: “0”  **second word**: “1212130” | 14% similarity, F grade | 14% similarity, F grade | Pass |
| 5 | Number boundary test 2: 0, one negative number | **first word**: “0”  **second word**: “-1212130” | 12% similarity, F grade | 12% similarity, F grade | Pass |
| 6 | Large load/no load:1 long sentence, no input | **first word**: “”  **second word**: “My very photogenic mother died in a freak accident (picnic, lightning) when I was three, and, save for a pocket of warmth in the darkest past, nothing of her subsists within the hollows and dells of memory, over which, if you can still stand my style (I am writing under observation), the sun of my infancy had set: surely, you all know those redolent remnants of day suspended, with the midges, about some hedge in bloom or suddenly entered and traversed by the rambler, at the bottom of a hill, in the summer dusk; a furry warmth, golden midges.” | 0% similarity, F grade | 0% similarity, F grade | Pass |

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| **Special Values Tests** | | | | | |
| **Test #** | **Test Description** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **1** | Handling of empty spaces | **first word**: “ ”  **second word**: “ ” | Low similarity, F grade | 60% similarity, D grade | Fail |
| 2 | Handling of special characters | First word:”@@@”  Second word:”@@” | Low similarity, F grade | 66% similarity, D grade | Fail |
| 3 | No input | First word:””  Second word:”” | High similarity, A grade | Low similarity, F grade | Fail |
| 4 | Handling of tab | **first word**: “ONE TAB”  **second word**: “TWO TAB” | 50% similarity,F grade | 50% similarity,F grade | Pass |
| 5 | Test game stop or continue when input is other characters except Y and N | **first word**: “brown fox”  **second word**: “fox” | Given input aaa, let me enter other input | Given input aaa, game continue | Fail |