

BLACK BOX TEST PLAN

smallDictionary.txt contains the following:

cook

delicious

turtle

the

inputTest.txt contains the following:

cooker

deliciously

turtleburgle

the

To start the program, run SpellCheckerUI.java.

Test ID	Description	Expected Results	Actual Results
Test 1 - Load Invalid Dictionary File (DT)	Preconditions: spellCheckUI is running and invalid.txt does not exist 1. When prompted for a file, enter "invalid.txt" 2. Submit	The program prints "Invalid dictionary file, please enter a valid filepath." and prompts the user for another.	Success. Correct error message and reprompt.
Test 2 - Load Valid Dictionary File (ECP)	Preconditions: spellCheckUI is running and smallDictionary.txt exists 1. When prompted for a file, enter "input/smallDictionary.txt" 2. Submit	The program prompts the user for an input file.	Success. Program prompts for input file.
Test 3 - Load Invalid Input File (DT)	Preconditions: Test 2 has passed and invalid.txt does not exist 1. When prompted for a file, enter "invalid.txt" 2. Submit	The program prints "Invalid input file, please enter a valid filepath." and prompts the user for another.	Success. Correct error message and reprompt.

Test 4 - Load Empty Input File (BVA)	<p>Preconditions: Test 2 has passed and empty.txt exists, but contains no information</p> <ol style="list-style-type: none"> 1. When prompted for a file, enter "input/empty.txt" 2. Submit 	<p>The program prints the following, and the prompts the user for another input file.</p> <p>ArrayBasedList[]</p> <p>SpellCheck Report: Number of words in dictionary: 10 Number of words to spellcheck: 0 Number of words misspelled: 0 Total number of probes: 0 Total number of lookups: 0 Average number of probes per word check: 0 Average number of probes per lookup: 0</p>	<p>Success.</p> <p>Correct data is printed, and program prompts for another file.</p>
Test 5 - Load Other Input File (ECP)	<p>Preconditions: Test 2 has passed and input.txt exists, with the information described above</p> <ol style="list-style-type: none"> 1. When prompted for a file, enter "input/input.txt" 2. Submit 	<p>The program prints the following, and the prompts the user for another input file.</p> <p>ArrayBasedList[and, are, However, most, of, those]</p> <p>SpellCheck Report: Number of words in dictionary: 10 Number of words to spellcheck: 39 Number of words misspelled: 6 Total number of probes: 140 Total number of lookups: 140 Average number of probes per word check: 0.0 Average number of probes per lookup: 1.0</p>	<p>Success.</p> <p>Correct data is printed, and program prompts for another file</p>