Black-box Test Plan

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Files:
input/
     dictionary.txt
          File provided with project design(too large to replicate)
     validWordTextFile.txt
          He really liked to bake
     invalidWordTextFile.txt
          People really like to wear Llamajeans
     complicatedWordTextFile.txt
          People really like to wear Llamajeans
          Llamajeans are hip and new broski
          10ther grade was a cool timeyo for that dogger
          I mean come on brotendo you gotta hit this ranch
          the 49ers were the b balm you feel me&'s
     illegalTextFile.txt
          #($)!^?:;
```

Test ID	Description	Expected Results	Actual Results
ECP - Valid word checked	Run the program with no extra arguments. -Program asks for dictionary: input/dictionary.txt -Program asks for textfile: input/validWordTextFile.txt	No words are added to the list of potentially misspelled words. ConsoleOut: 25144 word(s) in dictionary 5 word(s) in textfile 0 possibly misspelled words ## probes 6 lookups	Number of words in dictionary: 25144 Number of words to be spell-checked: 5 Number of misspelled words: 0 Total Probes: 11 Total lookUps: 6

		## average probes per word ## average probes per lookup	Average number of probes per word: 2.2 Average number of probes per lookUp: 1.833333333333 3333
ECP – Invalid word checked	Run the program with no extra arguments. -Program asks for dictionary: input/dictionary.txt -Program asks for textfile: input/invalidWordTex tFile.txt	ConsoleOut: Potentially misspelled words: Llamajeans 25144 word(s) in dictionary 6 word(s) in textfile 1 possibly misspelled words ## probes 7 lookups ## average probes per word ## average probes per lookup	Potentially misspelled words: [Llamajeans] Number of words in dictionary: 25144 Number of words to be spell-checked: 6 Number of misspelled words: 1 Total Probes: 12 Total lookUps: 7 Average number of probes per word: 2.0 Average number of probes per lookUp: 1.714285714285 7142
BVA – Check word with	Run the program without any extra arguments.	ConsoleOut:	Potentially misspelled words: [49ers,

multiple spell checking rules	-Program asks for dictionary: input/dictionary.txt -Program asks for textfile: input/complicatedWordTextFile.txt	Potentially misspelled words: 49ers, broski, brotendo, dogger, gotta, Llamajeans, me&'s, timeyo 25144 word(s) in dictionary 9 word(s) in textfile 0 possibly misspelled words ## probes 13 lookups ## average probes per word ## average probes per lookup	broski, brotendo, dogger, gotta, Llamajeans, me&'s, timeyo] Number of words in dictionary: 25144 Number of words to be spell-checked: 40 Number of misspelled words: 8 Total Probes: 63 Total lookUps: 46 Average number of probes per word: 1.575 Average number of probes per lookUp: 1.3695652173913044
DT – Illegal Characters in text file	Program is run without any extra arguments. -Program asks for dictionary: input/dictionary.txt -Program asks for textfile: input/illegalTextFile.txt	Program will still run as normal but just add the illegal character string to the misspelled word list ConsoleOut:	Potentially misspelled words: [#($)!^?:;] Number of words in dictionary: 25144 Number of words to be spell-checked: 1

		25144 word(s) in dictionary 0 word(s) in textfile 1 possibly misspelled words ## probes 1 lookups ## average probes per word ## average probes per lookup	Number of misspelled words: 1 Total Probes: 0 Total lookUps: 1 Average number of probes per word: 0.0 Average number of probes per lookUp: 0.0