Test Plan

Command line mode test

Help test

Command - generate -h  
Expected - print out help page.

Command - generate -h <options>  
Expected - print out an invalid input message, because help is standalone command

Command - generate -h -h  
Expected – print an invalid input message, because of duplicated element

Command - generate <options> -h  
Expected - Error message for invalid input, because help is standalone command

Command - generate <option> -h <option>  
Expected - Error message for invalid input, because help is standalone command

Version test

Command - generate -v  
Expected - it should print out program version.

Command - generate -v <options>  
Expected - It should print out an invalid input message, because version is standalone command

Command - generate -v -v  
Expected – It should print an invalid input message, because of duplicated element

Command - generate <options> -v  
Expected - Error message for invalid input, because version is standalone command

Command - generate <option> -v <option>  
Expected - Error message for invalid input, because version is standalone command

Library test

Command - generate -l <library> -g  
Expected - print generated text

Command - generate -l <any input other than default library> -g  
Expected – print error input message, print a message to remind user the incorrect parameter.

Command - generate -l <option> <library> -g  
Expected – print error input message, missing parameter

Command - generate -g -l  
Expected – print error input message

Outfile test

Command​ ​- generate -o <anything no that is not ends with .txt> -g  
Expected – print error input, invalid file extension

Command - generate -g -o  
Expected – print error input, missing parameter

Mode test

Command​ ​- generate -m <mode> -g  
Expected – print a paragraph

Command - generate -m <anything other than the specified mode> -g  
Expected – print error input message, incorrect parameter

Command - generate -m <options> <mode> -g  
Expected – print error message, invalid parameter

Command - generate -g -o  
Expected - print error input message, no parameter

Count test

Command​ ​- generate -c <number> -g  
Expected - print the text based on the mode and count’s parameter

Command - generate -c <options> <number> -g  
Expected – print invalid input, missing parameter

Command - generate -g -c  
Expected – print invalid input , missing parameter

Interactive mode test

Generate Test

Command - generate  
Expected - if generate is entered alone then it will generate words with the default settings.

Command - generate <any parameter>  
Expected – Invalid input

Help Test

Command - help  
Expected – print help page

Command - help <any parameter>  
Expected – error message, invalid input, help is standalone command

Set Test

Command - set <option> <value>  
Expected - give the command default value, nothing happens

Command - set <option> <invalid>  
Expected - invalid input, parameter is unrecognize

Command - set <command> <value> <command>  
Expected – invalid input, missing parameter

Show Test

Command – show   
Expected - it will show all the default value of command

Command - show <option> <value> <Command>  
Expected - invalid input, missing parameter