Computational complexity of the algorithm.

- For the presented algorithm in order to solve the exercise number 1, we found a computational complexity of O (n), because it has to go over each one of the words that the text file could have in it.

Test report

Test cases executed

Feature: Words count				
Scenario: Text without special characters				
Test data: “This is just and example for word counter page”	**Given:** the user is in the https://wordcounter.net/page	**When:** the user writes the text "This is just and example for word counter page"	**Then:** the right side panel of the page should display "9" words	**Status:** APPROVED
Scenario: Text with only special characters that not represent a word				
Test data: “$%!$ $!#$$!#$! %%/$”	**Given:** the user is in the https://wordcounter.net/ page	**When:** the user writes the text "$%!$ $!#$$!#$! %%/$"	**Then:** the right side panel of the page should display "0" words	**Status:** APPROVED
Scenario: Text with only special characters that should not represent a word				
Test data: “&& & & &&& &”	**Given:** the user is in the https://wordcounter.net/ page	**When:** the user writes the text “&& & & &&& &”	**Then:** the right side panel of the page should display "0" words	**Status:** REJECTED
Scenario: Text with simple text and special characters				
Test data: “!#$hola o! $#%R#%”	**Given:** the user is in the https://wordcounter.net/ page	**When:** the user writes the text “!#$hola o! $#%R#%"	**Then:** the right side panel of the page should display "3" words	**Status:** APPROVED

Feature: Characters count				
Scenario: Count characters in a text without white spaces				
Test data: “12345678 9101112”	**Given:** the user is in the https://wordcounter.net/page	**When:** the user writes the text "12345678 9101112"	**Then:** the right side panel of the page should display "15" characters	**Status:** APPROVED
Scenario: Count character in a text with white spaces				
Test data: “123 456 789”	**Given:** the user is in the https://wordcounter.net/ page	**When:** the user writes the text “123 456 789”	**Then:** the right side panel of the page should display "11" characters	**Status:** APPROVED
Scenario: Count character in a text with only white spaces				
Test data: “ ” (5 white spaces)	**Given:** the user is in the https://wordcounter.net/ page	**When:** the user writes the text “ ”	**Then:** the right side panel of the page should display "5" words	**Status:** APPROVED

Feature: Keyword density				
Scenario: Identify the 3 most repeated words in a given text				
Test data: “test house car house car dog car dog car house”	**Given:** the user is in the https://wordcounter.net/page	**When:** the user writes the text “test house car house car dog car dog car house”"	**Then:** the keyword density panel should have in the first three positions the words "car", "house","dog"	**Status:** APPROVED
Scenario: Keyword density in a text without words				
Test data: “to to at at on in on in to”	**Given:** the user is in the https://wordcounter.net/ page	**When:** the user writes the text “to to at at on in on in to”	**Then:** the keyword density panel should be empty	**Status:** APPROVED
Scenario: Identify the 3 most repeated words in a given text with majority of prepositions				
Test data: “test to house to car on house in in in car dog car to dog car house to ”	**Given:** the user is in the https://wordcounter.net/ page	**When:** the user writes the text “test to house to car on house in in in car dog car to dog car house to ”	**Then:** the keyword density panel should have in the first three positions the words "car", "house","dog"	**Status:** APPROVED

Failure report

Bug-001
Feature: Words count The words count function is taking into account some special characters as words, for example (&, ¡, ¿?).
Expected behaviour: The special characters should not count as words

- **Steps to recreate the bug:**
  ○ Go to https://wordcounter.net/
  ○ Write a text that only has (& or ¡) characters, for example &&& ¡¡ &
  ○ In this case the words counter display 3 words in total