**Requirements Document for frequency of each unique word in a string**

1. **Introduction**

The word count project is to find the occurrences of each unique word in a given string. The string is passed to program in a text file. The program reads file and considers spaces , newlinecharacters and the tabs as delimiters to split the sentences into words. The words are then stored in a list , the list is iterated over to find each word occurrences.

1. **Out of scope functional requirements:**

Aperiod (.) or , (comma) are not delimiters. This program does not correct spelling mistakes . It assumes users pass the strings words and sentences with meaning this program will not correct grammatical errors. The lower case and upper case are treated as different words.

1. **Other requirements:**

This program is developed in Python programming language using a VScode editor and is pushed to the github for source control.

1. **Functional requirements:**
   * 1. The empty string should give empty list with no words
     2. The string with one word must give one word as output in list
     3. The string with one space between each word should give correct output
     4. The string with double space between each word should give correct output
     5. The string with many lines should identify the newline character and give correct word count
     6. The string with a tab between each word should omit the tab , consider it as delimiter
     7. The string with large size should pass too
     8. The string should give correct word count
     9. String with special characters in it’s words should consider characters as characters and print separate words.
     10. String with alphanumeric words are considered as unique words such as word12