**Design principles:**

read the input text file into a string and implement all the requirements on the string. Each requirement will be implemented under an individual method and they don’t rely on each other.

**Design for four features:**

feature 1: unique word

Add new method wc, the input string will be split into a list of word. The program will traverse the list, if a word is not seen before, we count that as a new word, if it is been seen and counted before, then skip.

feature 2: line count

Add new method lc, didn’t change any existing code because this method doesn’t use any previous code. In method lc, we count the number of line breaker in the string.

feature 3: char count

Add new method cc, didn’t change any existing code because this method doesn’t use any previous code. In this method, we count the number of char in the string.

feature 4: replacement

Add new method rl, didn’t change any existing code because this method doesn’t use any previous code. In this method, we let the user to

when using space to split the text into a list, one element might contain a comma or period. In the iteration of finding the word that needs to be replaced, those comma or period needs to be removed, but they also need to be added into the new text after replacement.