Use Case Specifications

Word Count and Search & Replace

Use Case Description: The program prompts the user for the filename at startup. Once the file has been entered into the program, the program goes through the file and logs each word that is used and where it is used by character location. Then, the user must enter a 0 into the program to see the information the program has come up with about their file. Once the user receives this information, they can either replace a word or choose not to.

Use Case Name: Count

Actors:

* Program user

Triggers:

* Program user enters file
* Program user inputs a 0

Precondition:

* Program is working properly
* User wants to count a specific file

Post Conditions:

* User reads output and acts accordingly

Normal Flow:

* User opens program.
* User inputs file int program input.
* User enters 0 into program input.
* Program computes word count and positions of words.
* Program outputs its information to user.

Use Case Specifications

Word Count and Search & Replace

Use Case Description: Once the program has been sent a file by the user and counted it, it will wait for a 1 input from the user. Once the user inputs 1, the user will input the word that is to be replaced and the word that will be replacing it. The program will then go through and overwrite the file and replace every word with the word given by the user.

Use Case Name: Replace

Actors:

* Program user

Triggers:

* Program user inputs a 1

Precondition:

* Program is working properly
* User has already entered in a file that has been counted

Post Conditions:

* File is overwritten with the new word

Normal Flow:

* User operates program.
* User enters 1 into program input.
* User enters word they want replaced.
* User enters word that will take the place of the other word.
* Program goes through the file and replaces every instance of the original word with the new one.
* Program overwrites the old file with the new one.