

Java GUI Project  
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Version 1.3

#### Overview:

In this project I will be creating a scanner which takes in a text file. From there the file is scanned for all words and create a word counter based on the different words in the text. The word counter will not take in to account punctuation, such as periods and capitalization. The word count for the file will appear in the terminal, when the program is finished.

#### Design:

##### Iteration 1:

In this iteration I will be creating a scanner that will take in a text file and read it. If the file is not found, then the program will throw in an error. I will have a program named word counter that will keep track of words in the text file. This will involve the use of HashMap. Once the program goes through the text file. I will have a separate code that will go through the punctuation that occurs and will ignore it. This will mean the word like "The" and "the" will be counted as:" the "and not appear multiple times in the output list. Once the hashmap is complete I will feed the hashmap out to a treemap, which will order the output alphabetically. Finally, the program will print out in the terminal.

##### Iteration 2:

Make sure the word counter is working properly and functioning as should. Complete GUI. The GUI will consist of a button which will allow user to choose the text file they would like to read in and have the word counter be tested on. I am still unsure if I will have that output be shown on the gui or have the output file be put somewhere else.