

COSC 201 – Assignment #1

Fall 08

Objective: Write a program that will take in a text file as a command-line parameter, the output the number of words in that file. You will use the Iterator API class to accomplish this goal. You will then sort those words alphabetically and output it to the screen.

Expectations: Your code will need to be neat, concise, well documented and above all, correct (see Testing).

Testing: I will test your code utilizing various sized text files, including an empty file. Be sure that your program outputs useful error messages for an empty file, no file found and no parameters given at the command line.

Sample Output:

Test.txt:

```
I am the very model of a modern major general,  
I've information vegetable, animal and mineral.
```

Command line Run:

```
> javac Wordy.java  
> java Wordy  
    You didn't put in a text file parameter!  Start  
    over!  
> java Wordy temp.txt  
    temp.txt doesn't exist.  Start over!  
> java Wordy Test.txt  
    Test.txt contains 16 words.  
    Alphabetical Sort:  
    a  
    am  
    and  
    animal  
    ... ((and so on))
```

Grading rubric will be given out at least a week ahead of the due date.

DUE: October 6th, 11:59 pm Eastern.