CSE1322L - Assignment 11

Objective:

Often students are asked to write papers for the courses they are enrolled in. Students are required to write papers with a certain word count. Keeping a word count is tedious. Write a program that helps students with this task.

Specifications:

Write a program which does the following:

1) Prompt the user for a file name.
2) Read in the file line by line
   a) Be sure to catch any exceptions that happen, for example if the file doesn't exist.
3) Split each line into words (Hint: Words have spaces before and after them)
4) Split each line into characters
   a) Count the characters. Note: spaces, periods, commas are not characters.
5) Keep track of the total number of lines, words and characters.
6) Be sure to close out your file correctly.
7) Print out the total number of Lines, Words and Characters.

Sample Output:

Enter a filename:

Readme.txt

Lines: 3

Words: 28

Chars: 102

[Separate run]:

Enter a filename:

bla

File error: bla (No such file or directory)

Submission Guidelines:

Submit your final code.

Please follow the posted submission guidelines here:
https://ccse.kennesaw.edu/fye/submissionguidelines.php

Ensure you submit before the deadline listed on the lab schedule for CSE1322L here:
https://ccse.kennesaw.edu/fye/courseschedules.php

Rubric:

- Successfully prompt user for a filename (5 points)
- Open the file for reading (10 points)
- Reads in the file line by line (10 points)
- Split each line into words (10 points)
- Split each line into characters (10 points)
- Ignore spaces, commas and periods (10 points)
- Correctly keeps track of lines (10 points)
- Correctly keeps track of words (10 points)
- Correctly keeps track of characters (10 points)
- Correctly catches exceptions (10 points)
- Output answer (5 points)