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Data Structures (2028C) -- Fall 2019 (9/26/19)
Homework 1
Topics covered: Working with Files and Structures
Group 7: Neha Chawla, Melanie Mai, Ashiq Seena, Brittany Duong

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In order to compile and run the program (hw1.cpp), all text files (MobyDick.txt, etc.) must be in the same location as the source code. On certain IDEs such as QT Creator, the user must enter in the file path of the text file, as well as include the file path to the CardCatalog.txt (Line 142). When entering the file path to create the CardCatalog output file, it should look something like:

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"C:\\Users\\user\\Documents\\hw01\\CardCatalog.txt"

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Also, certain IDEs such as QT Creator will not run the program correctly if using a `char` for the `inputfile` under the `openReadInputFile` function (Line 26). Changing the `char` data type to a `string` should allow the code to run.

In the event that none of the directions above work, there is another main file called hw01.cpp which can be compiled.

During the course of this project, each team member was able to collaborate with one another as well as work on tasks by themselves. The following tasks we done by the following team members:

Neha Chawla contributed to creating the base of the structure, debugging and figuring out the different properties needed to run an effective code.

Melanie Mai contributed to debugging the code, structuring the code to make one concise program, as well as figuring out the overall code for WordCount

Ashiq Seena contributed to structuring the code to make one concise program, debugging, as well as figuring out how to get the letter frequency.

Brittany Duong contributed to debugging as well as figuring out how and what to do with the text file the user entered.

All contributions are equitable and each group member did their part really well.