Word Counting Software
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Overview:

The software utilizes java.util.Scanner object to scan through an input file and pull out the words while ignoring all the punctuation. Also java.util.Hashmap object is used to to track the words found. This software also has a user interface using the Java Swing libraries so that the app can be run, open a file with a file chooser, and have the counts of the words displayed within the application or written out to a file, or both.

Design:

This software uses multiple classes. The main class, which is called Myclass contains the main method and the objects being created. Another classes the software uses is the File classe, which contains methods such as isFile(), canRead(), and canWrite().

Graphical User Interface:

Graphical User Interface or GUI is created using Java Swing libraries which can run the application, open a file with a file chooser, and have the counts of the words displayed within the application or written out to a file, or both.