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**SDLC Assignment (Text Analyzer)**

**Plan**: Create software that takes a file and analysis the contents in order to output words and their occurrences. The program will require a file and its path, containing the desired text to be analyzed. The program will also need to sort the words by most frequent occurrence and then output the list.

**Design**: Will need a class to define an object that has two fields: string word, and int count. Word will contain the recorded word from the text, count will be used to increment the occurrence of the word within the text.

Part One: File scanning

* Use (BufferedReader)
* Save data to string

Part Two: Prepare String

* Make the string lowercase
* Cut the string into separate words, use (ArrayList.Split)
  + Regex ("[^a-zA-Z]+")

Part Three: Transfer string to an ArrayList of Word objects

* Store words using (Array List) of objects containing words and occurrence fields

Part Four: Clean list duplicates, incrementing and deleting from list

* User outer and inner for loops to check for duplicate occurrences

Part Five: Sort List

* Use (Collections.sort): Sort by int (reversed)

Part Six: Print List