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CEN 3024C

Final Project

**Project Documentation**

Requirement Documentation

– functionality and behavioral description of the intended software/the foundation for the software to be developed

Summary

For this project I am proposing the creation of an application that will take documents as an input, sort through the document, pull all the words and times the words were used and sort them into a descending order list. Once this list has been compiled, I am proposing the application create a connection to a database, create a new table, place this list of words and occurrences into this newly created table and finally display this list as a SELECT statement through the newly created MySQL database. I propose to accomplish this using a UI with JavaFX that will allow the user to input a file path for the file they would like to check.

Software Design Document

– architecture, details, data flow diagrams, database design

Results after launch

Motivation-expectations and hopes for the project

Screenshots

Alternatives-consider alternatives and pros and cons of each

Experiments/logging/accessibility/reference to other documents

Technical Documentation

- information about the code and the objective of the code(what and how it does what it does) who wrote it

User Document

The Word Occurrence program will accept a file path to a .txt document inserted into the field provided in the UI, create a new SQL table, and populate said table with all the words and times they were used in the document. To achieve the desired result, find the target .txt file, hold shift and right click the file and select Copy Path. Once you have the desired path, run the program .jar file through the command prompt and the input UI window will appear. Paste the file path into the text field with no “ “ and hit enter. The program will then export the list of the top 20 used words in the document and how many times each word was used in the UI window and populate the SQL table with these words. For this program there are no installation files, and the user simply needs to visit the GitHub provided and download the .jar file. There are no licensing requirements and there will be no future updates for this program.