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Term Project Final Report

Specification:

To produce a file-organizing program. Allows users to assign and remove arbitrary tag(s) to files in their directories. Users can then search and open files by tag(s), making for more organized file navigation/association.

Design:

The program lets users navigate its menus to search for and tag/untag files in their directories. At the end of any session of using the program, the program saves an output text file with each line devoted to the name of a file in directories and the tag(s) associated with the file printed just after.

When booting a new session of the program, the program reaccesses the saved output text file to load which tags have been previously associated with which files.

Conclusion:

The File Organizer program fulfills its purpose of providing new methods of organization for users' file directories. With its innovative tagging system, files in separate directories may be associated with one another under a common tag, which is searchable by File Organizer for easy user access.

The File Organizer is beneficial to professional users who have a need for specialized file associations unsupported by default directory attributes. For example, news reporters who must sort files by the 5 W's (who, what, where, when, why) would find use in File Organizer for its ability to group files in differing directories under the same tag.

The File Organizer is similarly useful for the everyday user as well. Files kept on personal computers have differing subjects, such as those relating to financial documents, family photographs, personal projects, and business correspondence. Tagging each file by its relevant subject(s) makes them easier to access, speeding up productivity and saving time in general when it comes to navigating one's files.

Lessons:

The File Organizer gave us valuable experience in implementing multiple classes toward a collective end in tagging and saving tags. We also improved our use of file input/output algorithms in implementing a saving and loading system to store user-created tags and their associations.