

Abstract: File Manager Project

The File Manager Project introduces a robust system developed in C, enabling users to effectively organize and manipulate files. The project encompasses the following key features and functionalities:

- File Node Management:
 - The project is structured around a linked list framework.
 - Each file is represented by a file node that includes vital details:
 - File Name: The designated name of the file.
 - Size: File size measured in bytes.
 - Creation Date: The file's inception timestamp.
 - Modification Date: The latest modification timestamp.
- Core Operations:
 - Creating a New File Node:
 - Users can generate a new file node by inputting essential data.
 - Inserting Files into the Linked List:
 - Files can be seamlessly added to the linked list while preserving their sequence.
 - Deleting Files from the Linked List:
 - Users possess the ability to delete files from the list as required.
 - Displaying All Files:
 - An overall display of all managed files is provided by the system.
- Customization and Extensibility:
 - The file manager is crafted for adaptability.
 - Users can enhance its functionality by incorporating features like:
 - File Search: Implementing search functions to locate specific files.
 - Sorting Criteria: Enabling file sorting based on various attributes (e.g., name, size, date).
 - Disk Management: Integrating operations related to the disk (e.g., file movement between directories).

In essence, the File Manager Project simplifies file organization, optimizes fundamental file operations, and allows for future expansion. Whether managing personal files or constructing a more intricate system, this project establishes a solid groundwork.

It is imperative to recognize the significance of efficient file management in enhancing productivity, with this project striving to offer a seamless and effective solution. 📁✨

For further insights, feel free to delve into the project's code to explore its intricacies and implementation details.