FileMan - File Manager and Integrated Text Editor

IOOM332C - Mini Project

Abstract:

In this project, we will design and develop a **File manager** and an integrated **Text Editor**. User can make new files, open existing ones, delete files, copy files and edit text files. The file explorer fulfills the basic requirements of the user regarding the files and their management. Here, we are using java swing and awt packages for constructing Graphical User Interface (GUI) of the explorer. User can also see the details about the files like size, permissions, path, and file type. The explorer makes it possible to for user to edit the text files using an integrated text editor in it. The editor is integrated in the explorer using parent-child hierarchy. The file explorer will have a side pane displaying the file tree and **+/-** buttons to expand or collapse any directory. There will be another panel on the left having the display of all files and folders in the current directory. Below that there will be a pane of details about the file like size, modified date, type and a Function Bar having functionality buttons such as open, edit, new, copy, delete.

Specific Technology:

Java, AWT, Swing

Project Tasks:

- Use case analysis
- Design: Class Diagram
- Implementation
- User interface.

Functional components of the project:

The software should serve the purpose of exploring and editing the files.

Display screen: Various fields are
  I.   File tree
  II.   Files and folders in current directory.

III.   Options for actions that can be performed on files and folders.

IV.   Function Bar

V.   **Text Editor:** Various fields are

I.   A text box in the centre to display the text in file and edit it .

II.   Function Bar

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