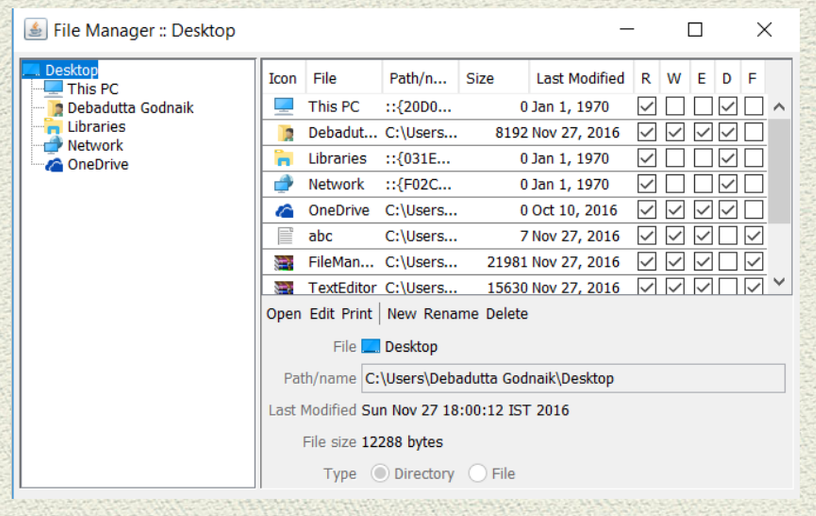
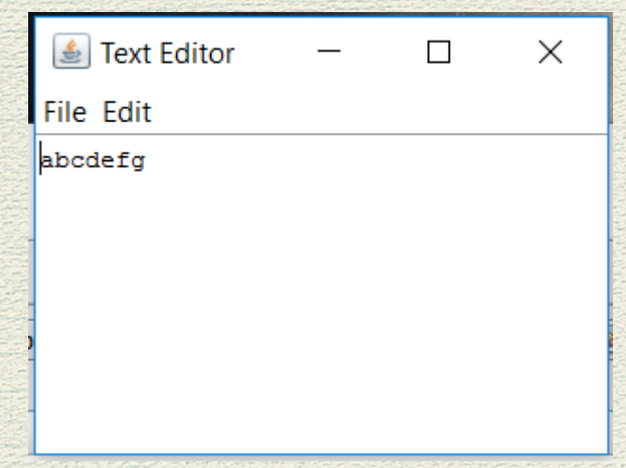




FileMan

File Manager and Integrated Text Editor

Under guidance of:
Dr Amrita Chaturvedi

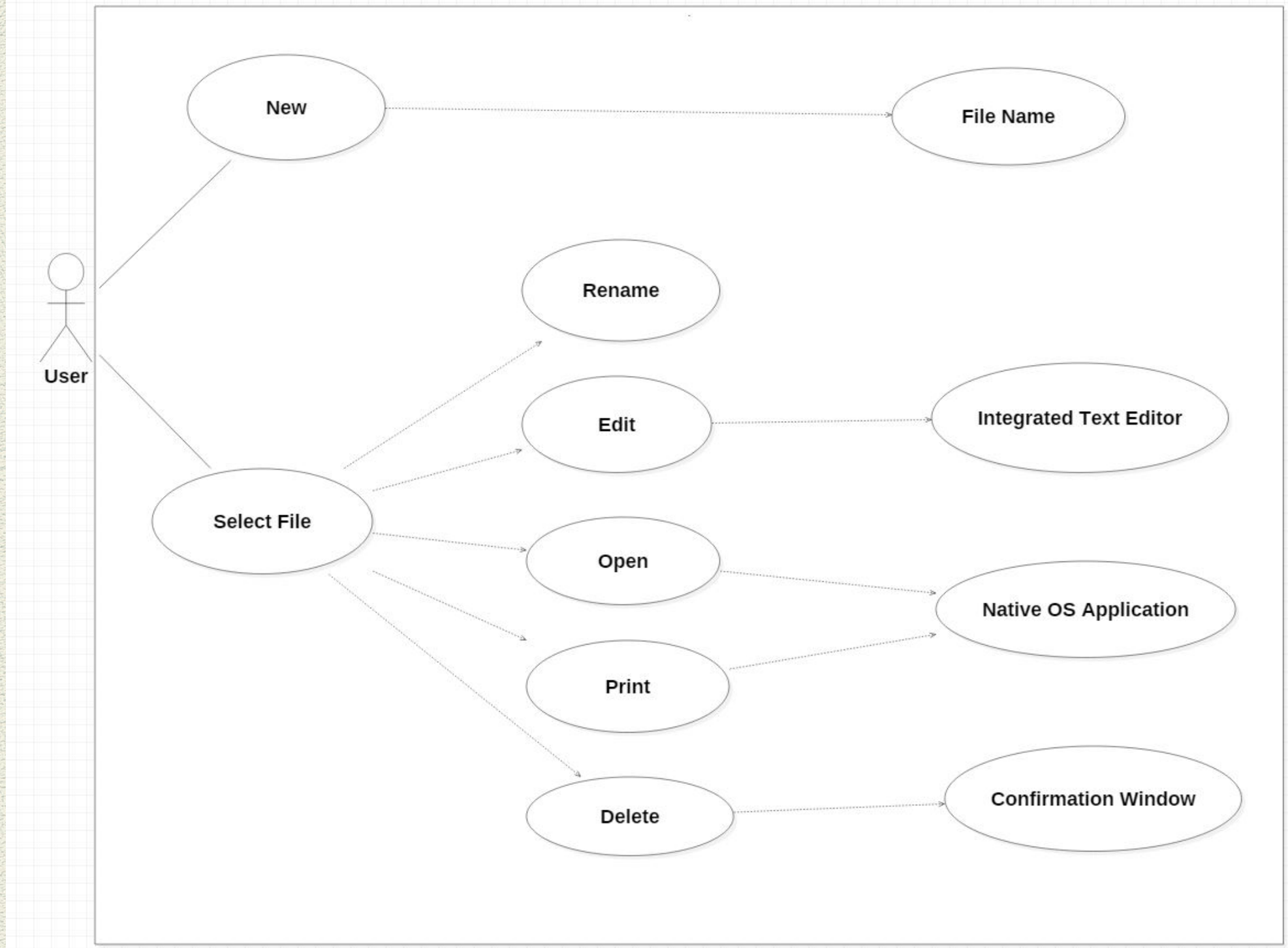
Introduction

- FileMan is a File Manager with an integrated Text Editor.
- It enables you to browse all the files on your computer.
- It lets you Open, Rename, Delete and Create directories.
- It lets you Open, Edit, Rename, Delete and Create files.
- It displays the File/Directory permissions and also the file type.
- It also displays the File Path and the Directory Listing.
- The tiny integrated Text Editor lets you edit and create text files instantly.

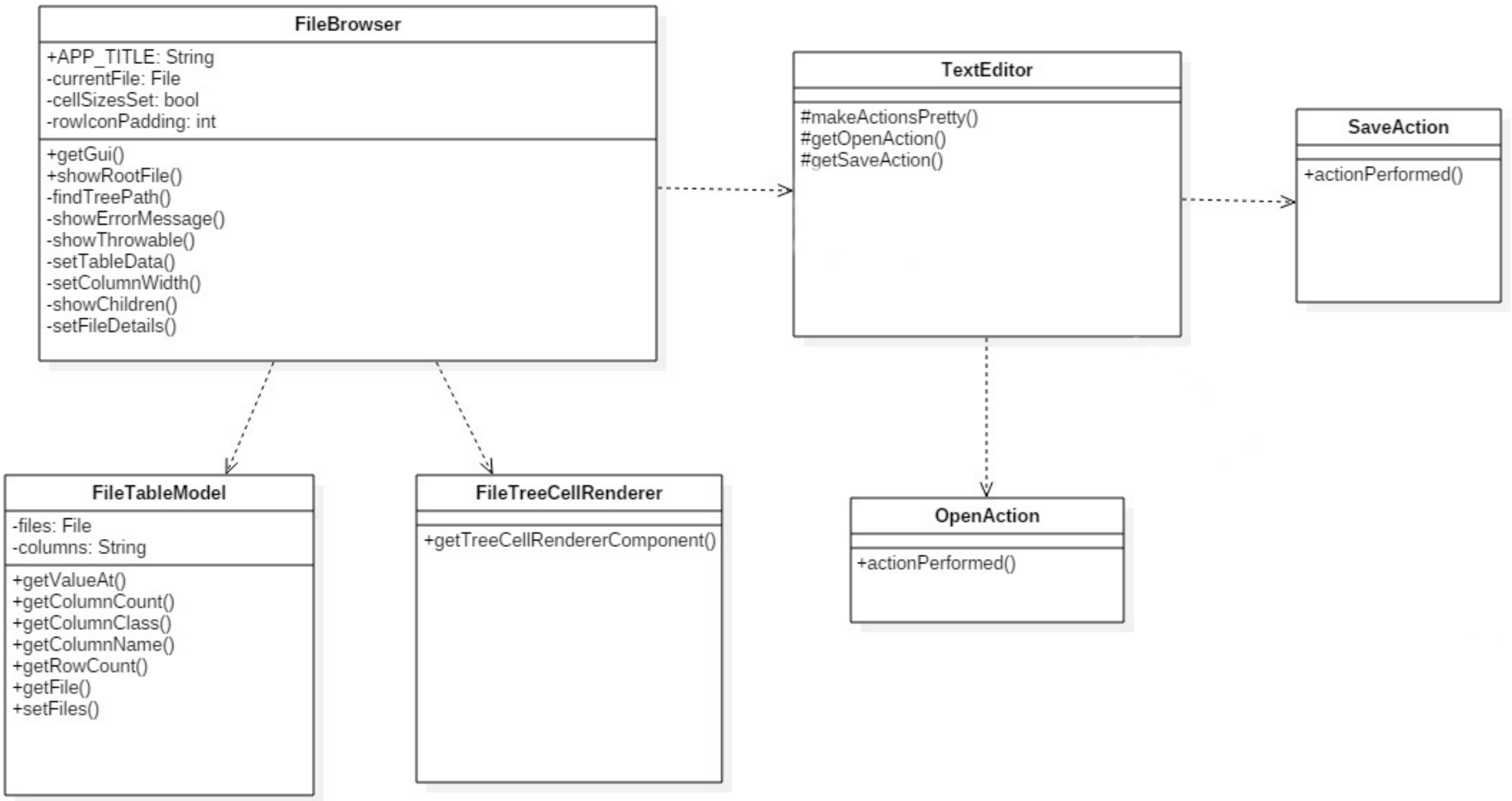
Technologies Used

- Netbeans IDE
- Java Abstract Window Toolkit
- Java Swing
- StarUML

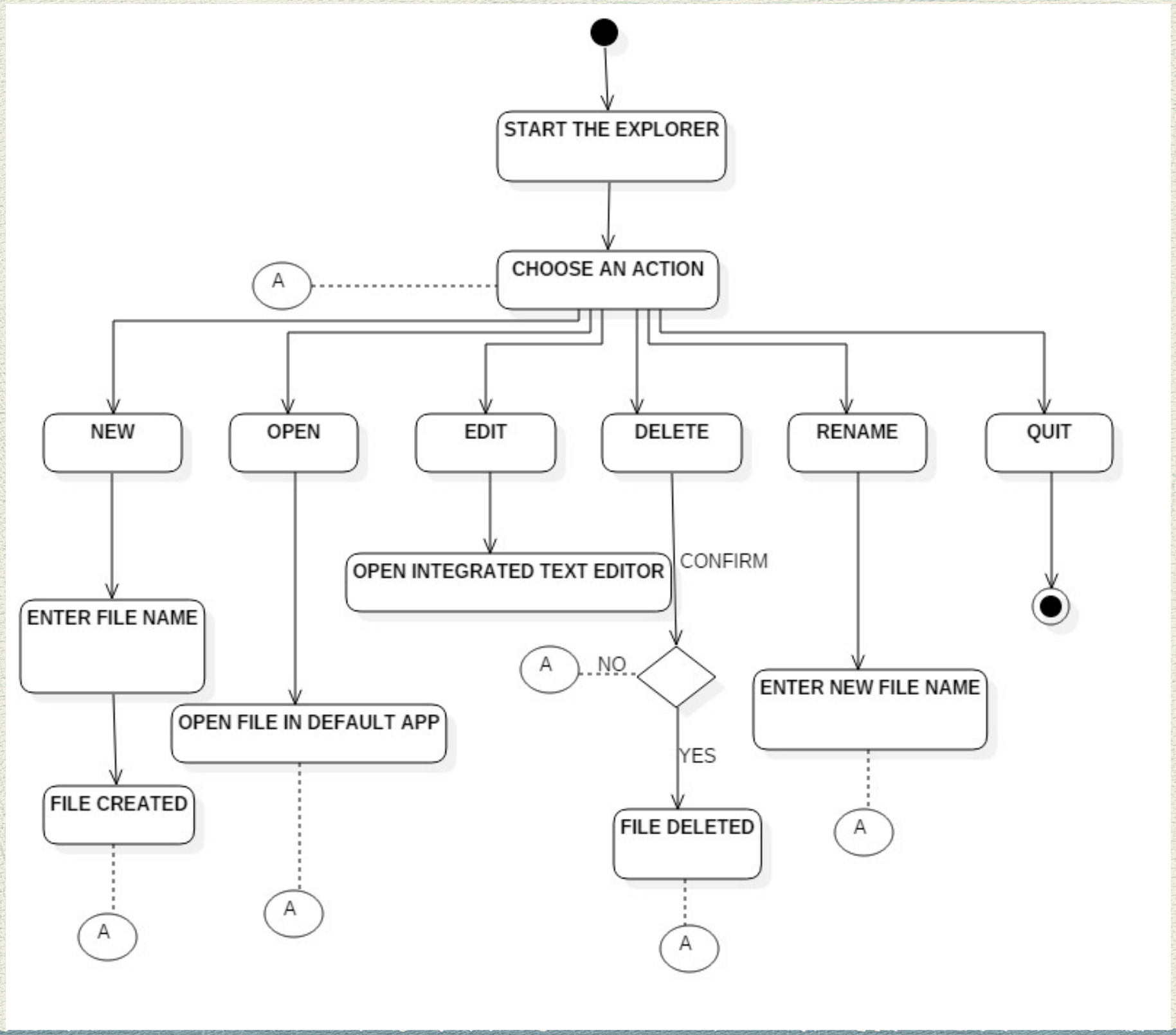
Use Case Diagram



Class Diagram



Activity Diagram



CRC Diagram

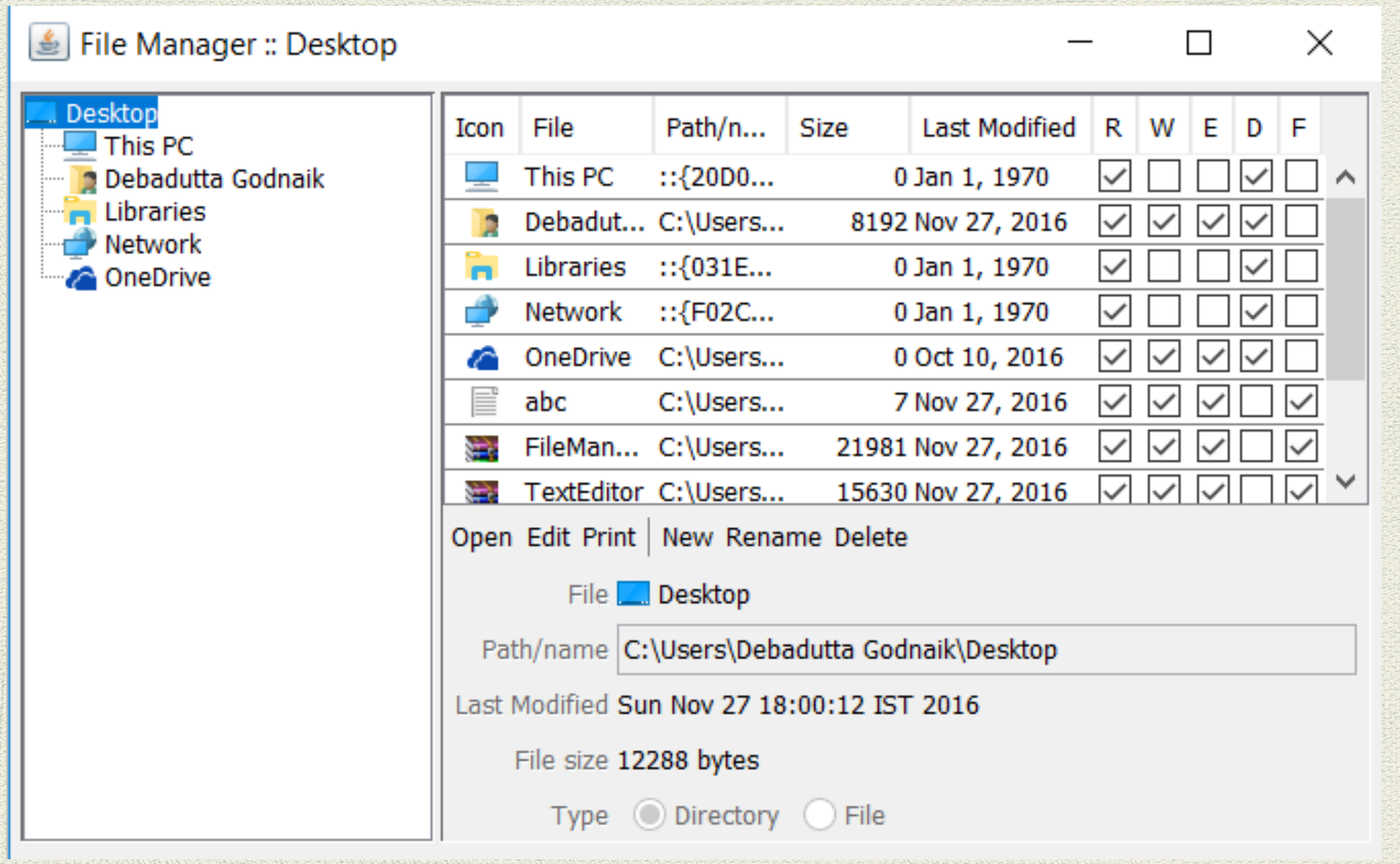
FileBrowser	
New: Open: Edit: Rename: Delete:	FileTableModel FileTreeCellRenderer TextEditor

FileTableModel	
getValueAt: getColumnCount: getColumnClass:	FileBrowser AbstractTableModel

FileTreeCellRenderer	
getTreeCellRendererComponent:	FileBrowser DefaultTreeCellRenderer

TextEditor	
Open: Save: Cut: Copy:	FileBrowser

Application Screenshots



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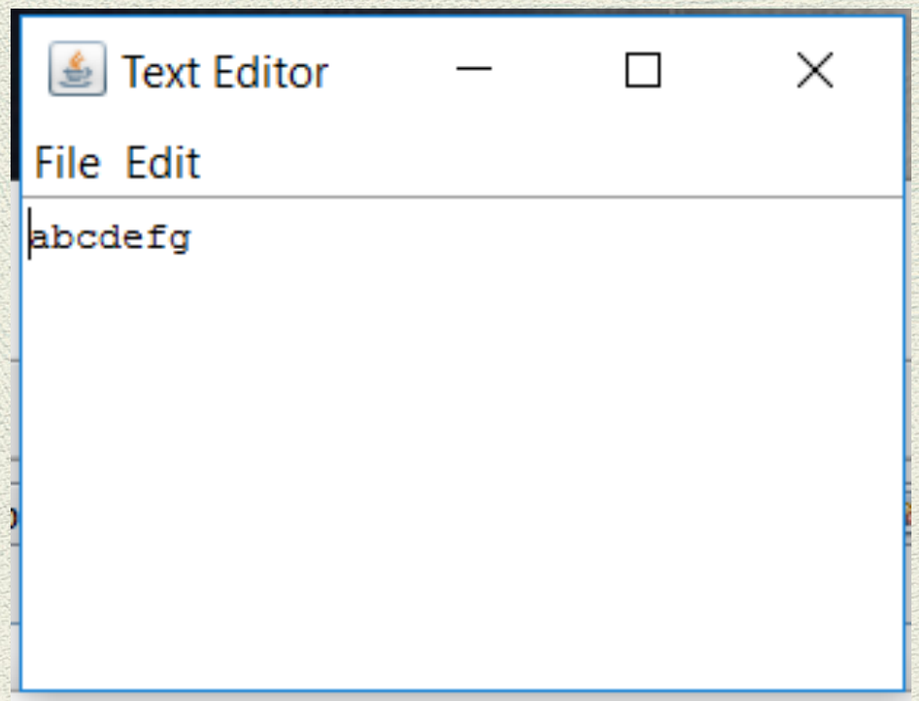

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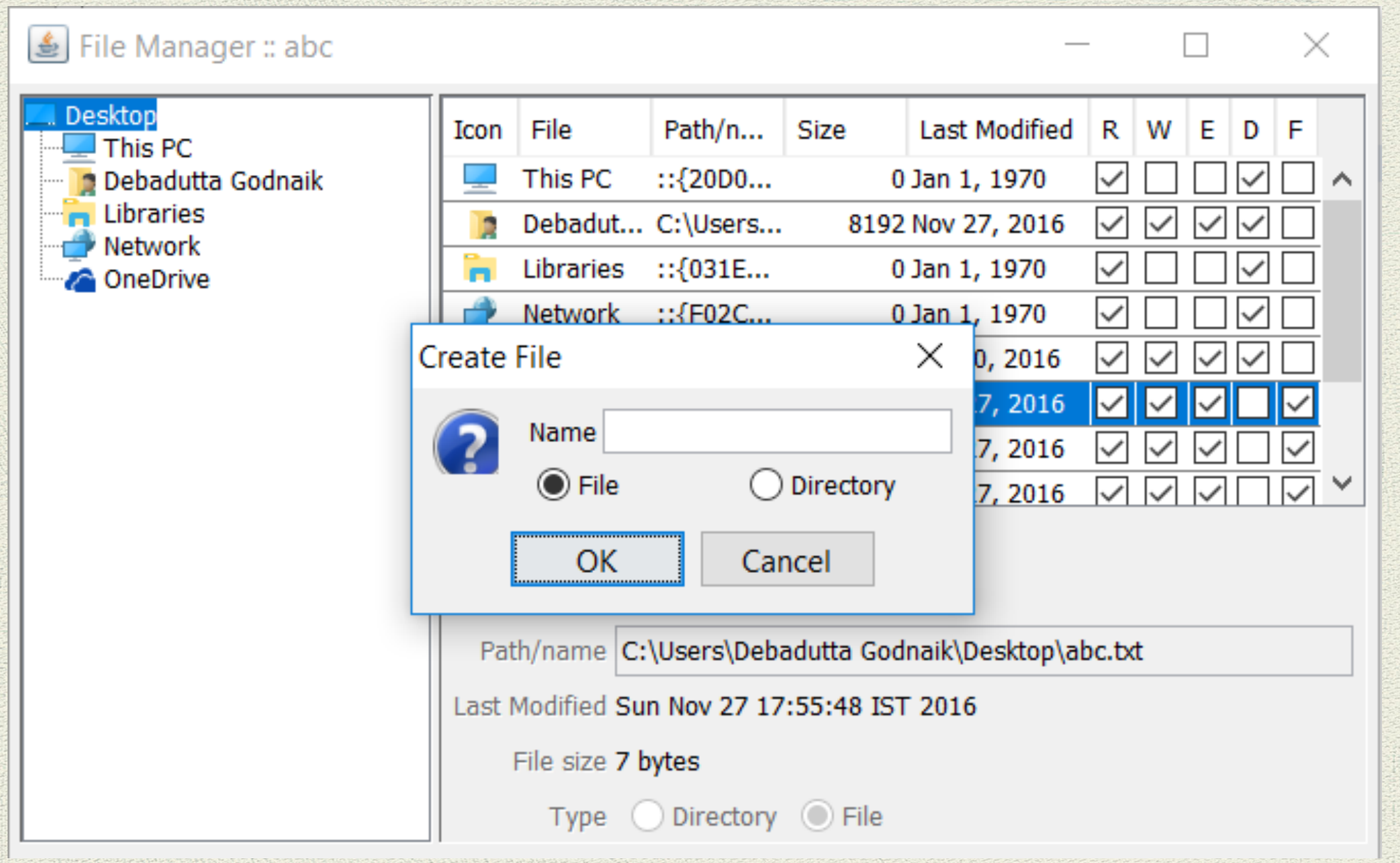

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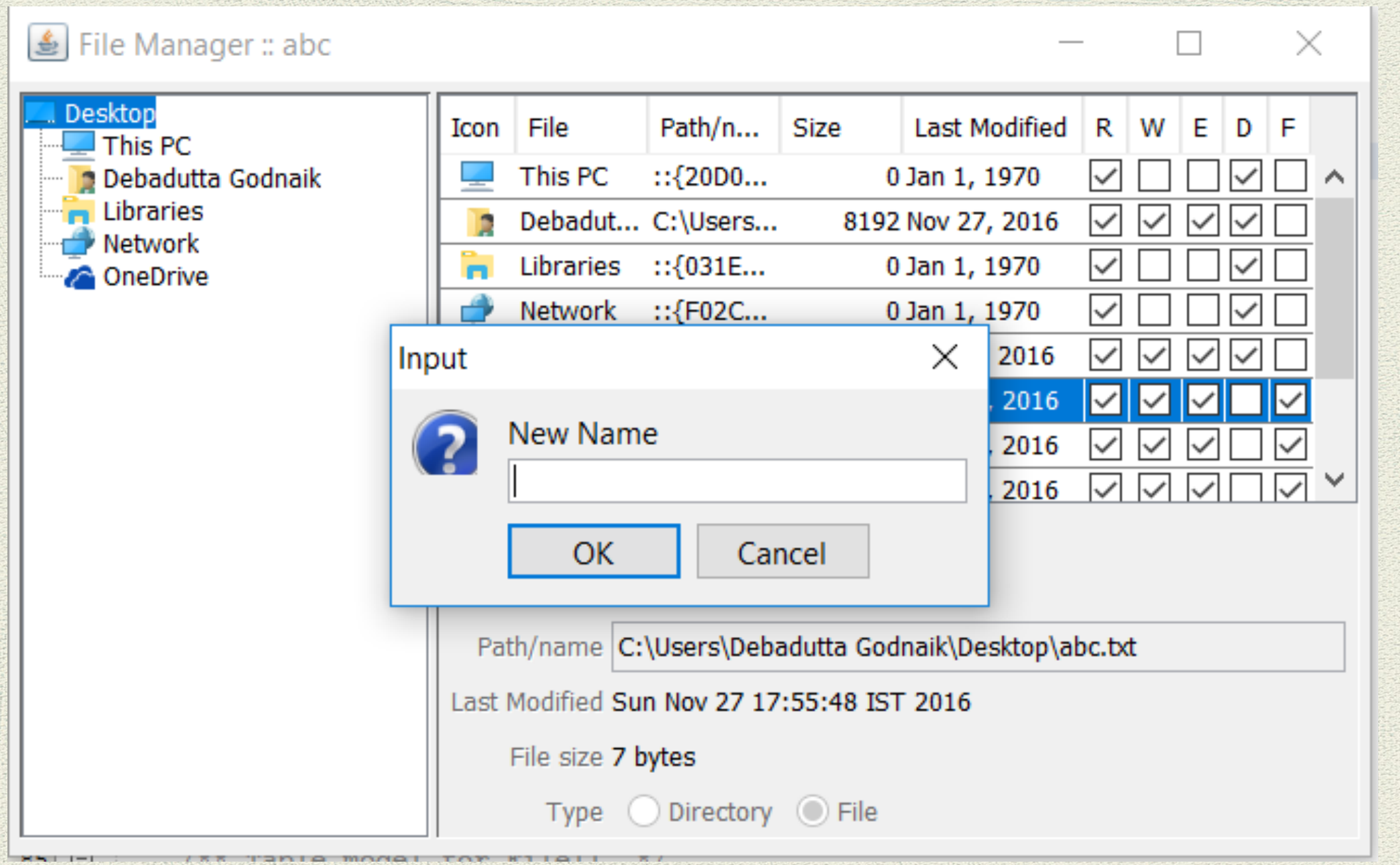
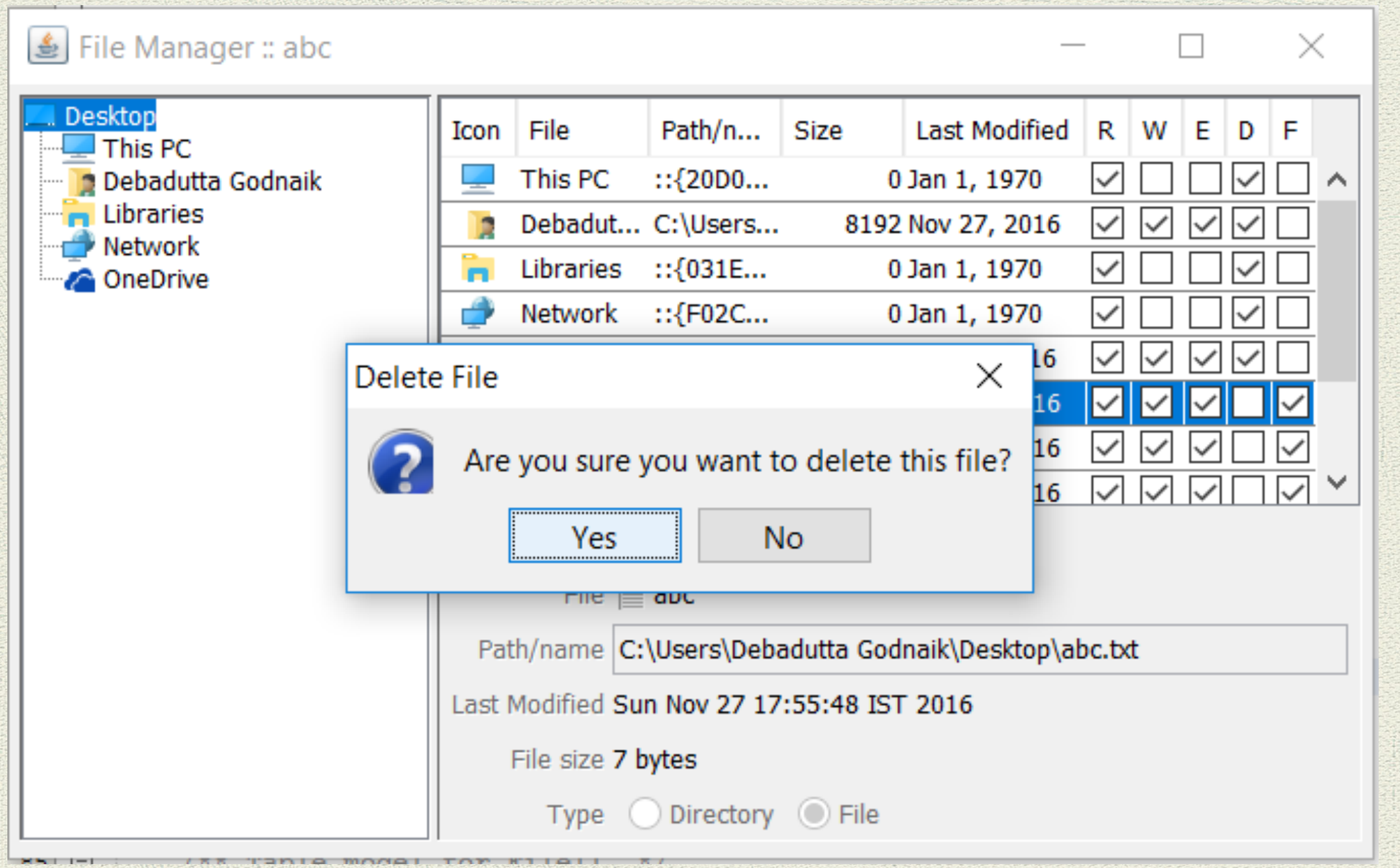


Application Screenshots



Problems Faced

- Getting familiarised with Swing and AWT packages.
- Getting familiarised with IO, NIO & Net packages of Java.
- Rendering directory listing on the left side of the browser.
- Implementing Delete functionality in UNIX based systems like macOS and Linux.
- Integrating Text Editor with the File Browser.
- Multiple selections of files and directories in the browser.
- Adding Search functionality.

Future Improvements

- Search functionality.
- More integrations like the tiny Text Editor for example a tiny Media Player which enables the user to play media files instantly from the browser itself.
- File/Directory Copy functionality.
- Back functionality
- Changing File/Directory permissions by unchecking/checking the display checkboxes.
- Allowing multiple selections of Files and Directories.
- Basic formatting options in Text Editor.

Free and Open Source

We have made FileMan completely free and open-sourced.

Developers are free to add features/modules, report bugs, open issues, suggest improvements and contribute to the source code:

https://github.com/faheemzunjani/FileMan

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Thank you!

END