

# OS Lab Project: File System Implementation

---

<b>Course Name:</b>	Operating System Concepts
<b>Topic:</b>	File System Implementation
<b>Programming Language:</b>	Any
<b>Project Showcasing:</b>	November 9, 2017
<b>Time:</b>	During Class Hour

Suppose your team is assigned to develop a file system interface project which will look like traditional file system in Windows operating system. Authenticate user can login with username & password into your system and operate own files & folders. New user can also register in your system. Inside your file system, user can create, delete, rename, cut, copy, and past own files & folders. File and folder will be shown as different icon respectively.

User can show the properties of the file which looks like traditional file general properties, but contains file name, extension, created by, created time and file size.

User can edit the contents of the file using the default application of your operating system such as .txt file will be opened using notepad/gedit.

There should be a folder named “*shared*” exists in the root directory of every user. One user can share any file/folder to other users, which will be shown inside that “*shared*” folder. There will be a side view pane like Windows file explorer has. The side view pane is a quick access toolbar to a desired file or folder.

You can use any programming language as you like. You have to use database to store data, and graphical user interface to user interaction.