

FILE MANAGER (ANDROID)

Most phones do not come with a decent enough file explorer, your task is to create a file manager that you'll be proud of. We ask you to create a file manager with the following features, of course, you can add more.... We can't restrict your imagination, right? But make sure you integrate all necessary features first :P

NECESSARY FEATURES:

- The main screen of the app will display all files and folders of device storage and extended memory card in an organized manner so that user can manage the files efficiently and easily.
(Hint: You may need to read about [Recycler view](#) and [Grid Layout](#) for this activity.)
- Main screen will also display “used” and “remaining” space statistics for both device storage and extended memory card storage.
- There will also be an option for the user to copy, move, rename or delete any file or folder.
- It should have a [Navigation Drawer](#) so that user can easily switch between device storage and extended memory card storage. There will also be an option for the user to pin some favorite memory locations like gallery, downloads etc.
- Toolbar will contain a search bar so that user can search for any particular file.
- There will also be a sort feature so that user can sort the files or folders according to name, creation date, size, type, etc.

BONUS FEATURES:

- Elegant UI, particularly **Material UI**
- Introducing a feature to create a shortcut of particular file/folder on home screen.
- Real-Time Notification while copy/moving data showing current progress.
- Allowing the user to share files via Bluetooth, WhatsApp, Gmail, etc.
- Multi-panel mode: like the one in **ES File Explorer** ([Google Play Link](#)).
- Introducing a feature to change file extensions.
- Classifying folder as picture folder and show the images therein.
- Use of **Jetpack** and **Single Activity architecture** is highly encouraged. This will have a huge influence on the final evaluation.
(Hint: You may need to read about **Fragments**)
- Any additional features from your side are most welcome given that you have implemented all the necessary features.

NOTE: **Bold** words can be used as keywords for google search.

MORE KEYWORDS:

- **File provider:** Important since newer devices do not allow you to access memory card as is.
- **URI (Uniform Resource Identifier):** to access files in the memory card
- **"File":** Android version of File class.