

Android File Manager

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Abstract: The need for developing the Android File Manager arose from the fact that there are so many information which needs to be stored and keep secret from others. Therefore this application name as “Android File Manager” will help to secure all your information. This application this application helps to provide high facility to move information from one location to another location in a cell phone. The goal of this project is to provide the security facility and transfer data from one end to another end. First time when we open application it will give help how to use it for the new user. When we enter inside the application we see various functionality regarding the use. In this application we give user to best effort to transfer either files from one device to another device or one location to another location within the device. It provide security to the application when we open application it asks the password then we give correct password then it open otherwise it not.

We expect the results we envision; we (eliminate) delays in accessing the files. This project will definitely reduce the effort and efficiency for the USER' who use the application.

Keywords: File Explorer, Android API, Files, Storage, Cloud

I. INTRODUCTION

Android by means of turning in tons of extremely good features that work properly together to make your life very easy or make comfortable in the long run, you will see the usual functions like uploading, sharing and deleting Files to your cell phone, as well as much less not unusual functions like compressing files And Streaming files positioned in cloud storage. Of path you will also find the ability to without problems Browse and upload your documents And control your files. Android file manager can provide a extremely good Experience with all the capabilities you did not realize which you desired From dealing with Files, to storage, their functions all paintings properly collectively delivering easy and clean to use Utility. This application affords safety to our documents and we switch the files from one to some other location, in this utility we provide to play audios, films, and notice Snap shots. This is a beautiful utility by means of which we make a life easier by way of having access to this Record manager. This software have affords get admission to all of the tiles, folders etc. from the Cell phone. The main functions of the utility are. We see all the folders which are hidden from the user by some other software. So this challenge facilitates person too lot. This software suggests how a lot reminiscence are remains either in smartphone memory or different outside reminiscence.

The application keeps the users files safe and secured. Application allows user to search any file over type in search box[2]. Maintains the files in a categorized and classified in a structured manner. It avoids the data duplication which prevents re-writing the similar file. In this application we maintain the data in an efficient manner. We create a many text files, folder. We make easily portable of files from one place to another place. In this application we do very thing like share files from one device to another device. This device has its own audio player and video player. The main purpose of this application is to provide security of the data. This application is very user friendly.

Users will hence be allowed to use the Internet connectivity on their smart phone's to automatically retrieve files and upload updates any time a user accesses them [1] [9].

II. PROBLEM STATEMENT

This project is to create Android File Manager with a server and users to enable the users to store our data in secure manner.

- The Data which are stored in Mobile Phones are not safe as it's not that hard to hack a phone or a virus to destroy it or damage or theft; any situation the user loses the files. So, we introduce Android File Manager it's a totally Server based system it means you can store any type of file on server.
- The project should be very easy to use enabling even a uneducated person to use it.
- Android File Manager delivers a great feasibility with all of the features you didn't realize that you wanted From managing files, to storage, their features all work well together delivering a simple and easy to use application.
- This application shows how much memory are remains either in phone memory or other external memory.

- Another problem is related with the security. As we know that the data is transfer over wireless network hence security is the major part of the system. In our system, we purpose to provide the Security implementation for Data Access. During the Data Retrieval Session, Key is generated to the Legitimate User. Only after Proper Authentication, files can be accessed by the User [1]. If a user utilized a free server that later becomes no longer available, the visualization of the file system may become inconsistent. Developers are forced to take these limitations into consideration.

III. PROPOSED METHODOLOGY

Modules and their Description

The system comprises of 1 major module with their sub-modules as follows:

- 1. User:**
 - a. Registration:**
 - User need to register first by filling up basic registration details and create a login id and password.
 - b. Login:**
 - Using valid login credentials, user can access the below given modules. Only after Proper Authentication, files can be accessed by the User [10].
 - c. Homepage:**
 - After successful login, user can see all the uploaded files at homepage.
 - d. Upload Files:**
 - User can select file from phone or click new images and set its name. By uploading a file, its chunks are created. Then, an upload thread is generated for each chunk; this thread performs the upload of the chunk on the first available connection to a server. The allocation of a chunk to a server is non-deterministic: by repeating the upload of the same file, the various chunks will probably not be assigned to the same server. If the uploaded file already existed in the remote file system then the old version is removed[10].
 - e. Search Files:**
 - User can search files using normal text or by using speech. e.g.: "Search ABC document"
 - f. View Files:**
 1. User can download files which were uploaded earlier.
 2. Considering the anomalies in the existing system computerization of the whole activity is being suggested after initial analysis.
 3. The project is developed using Android Studio with Java as programming language.
 4. Onlyone entity who will have the access to the application and the entity is user itself.
 5. User first need to login using its login credentials and then only he/she can access the system.
 6. After successful login, user can see all the uploaded data files such as Images, Videos, Songs and Documents.
 7. User can upload any type of data or document said above.
 8. Application smartly manages all the files in a well organised and structured manner.
 9. Application also avoids data duplication which prevents similar existing files from re-uploading.
 10. Avoiding Duplication of file using comparing File Size and name, & system will provide an option to rewrite it.
 11. User can search for a particular file using the text field or by voice command.
 12. User can view all the files and download the uploaded file to the device[8].

IV. CONCLUSION

This was our project of System Design about “**Android File Manager**” application is based on Java. Development of this System takes a lot of efforts from us. We think this system gave a lot of satisfaction to all of us. Though every task is never said to be perfect in this development field even more improvement may be possible in this application. We learned so many things and gained a lot of knowledge about development field. We hope this will prove fruitful to us. It is easy access the files and matches the result of search command and voice command. It is the very useful file system. In future it will part of large secure file system. It is the External storage device so; our files are directly store on server or upload on server. It is very supportive, protective and easily accessible file structure.

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