DOCUMENT MANAGER

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As per the tittle “Document Manager” we have developed an android application which can track all necessary documents like pdf, images, docs, etc. and provided different services to use to manage all this documents.

Here we have used 2 data-base

- ✓ Xampp
- ✓ Firebase

And we have also used firebase real storage to store actual file which is in side of application to provide remote access.

To run this project we have need android studio, xampp control panel, fire-base console and virtual device/physical devices.

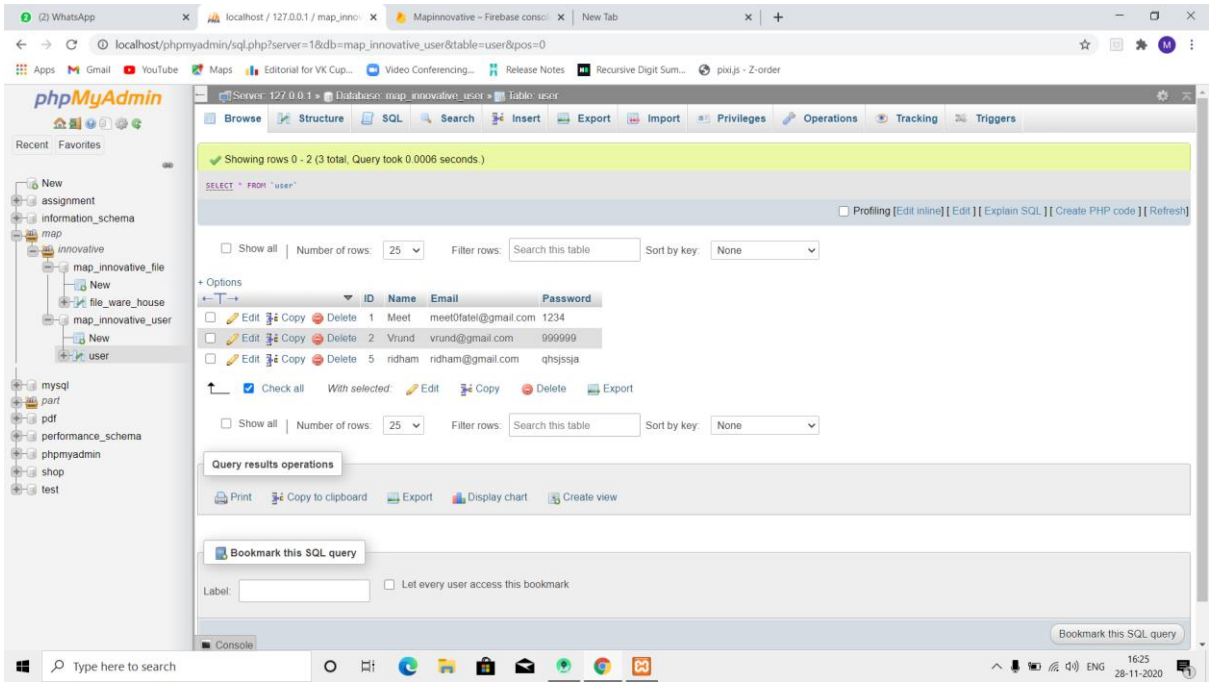
In our app we have used volley dependency to make call from our application to api service residing on server. And used firebase dependency to make fire-base storage call to store actual content inside the firebase from mobile application and fire base real time database dependency to keep track of the stored file inside particular email id.

Using volley we can make http request fast and easy, it was developed by google IO in 2013 for the mobile application.

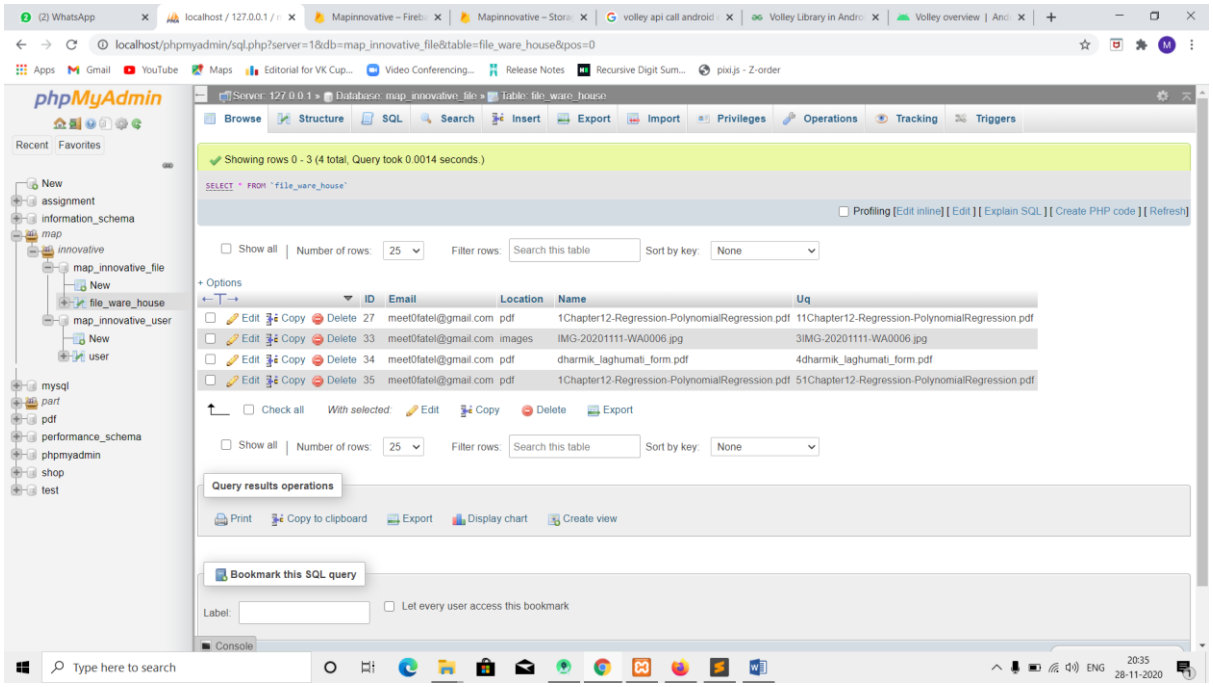
If we are using physical device to run this app then make sure that physical device and laptop device is connected to same wife connection.

And have to import sql database to xampp to create all necessary tables for the application and proper functioning for volley api. Make sure to set proper location for the api folder.

Database design of Task:



Above image is the table of the record of user, which keep track all the information of user.



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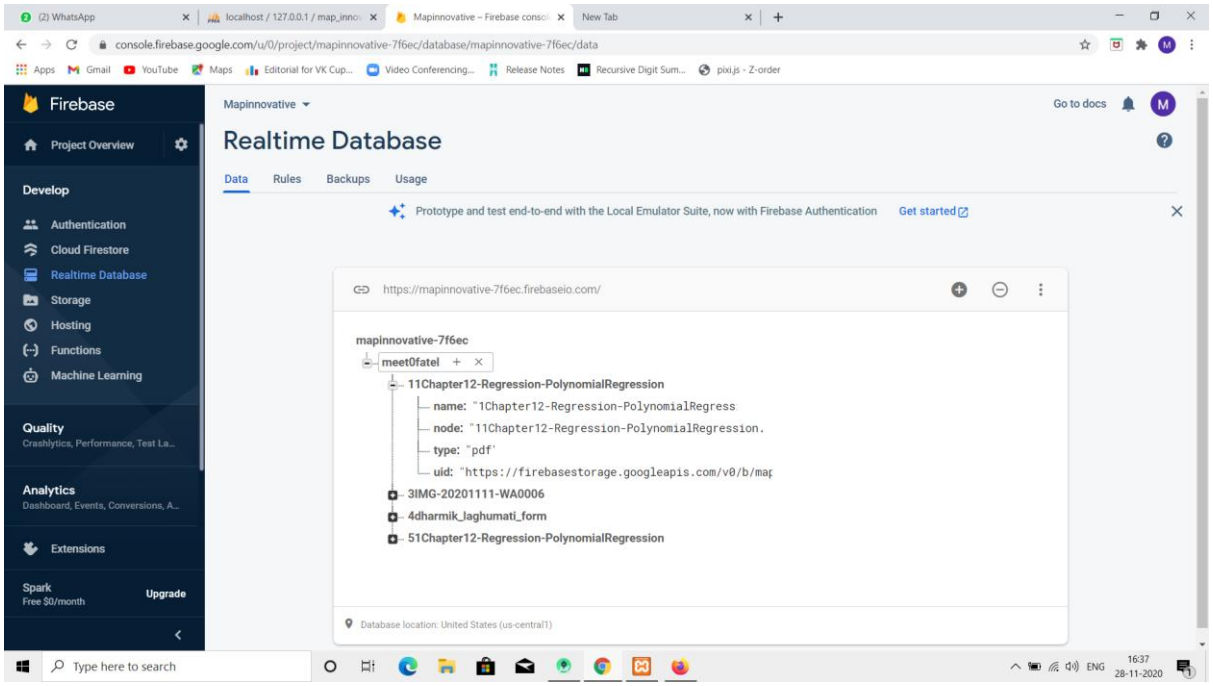
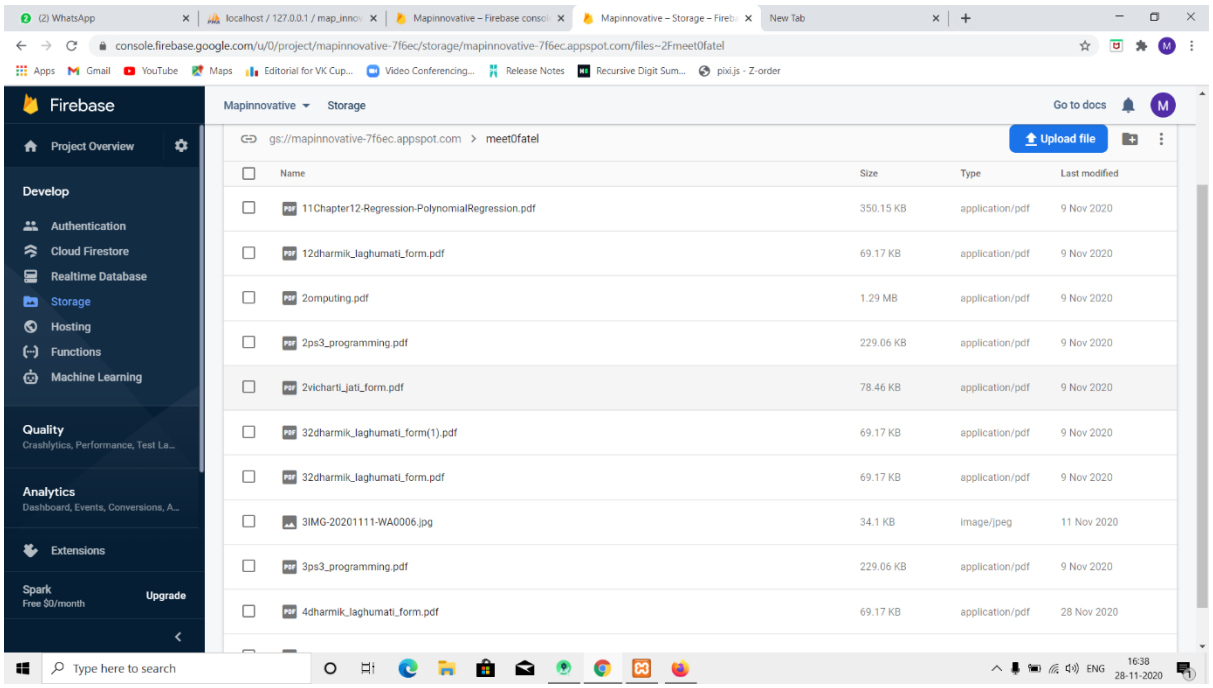
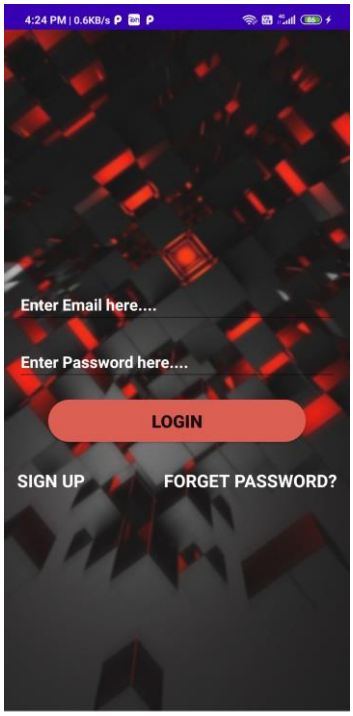


Above image shows structure of node in firebase database of particular user. And child of parent node is the document of that user.

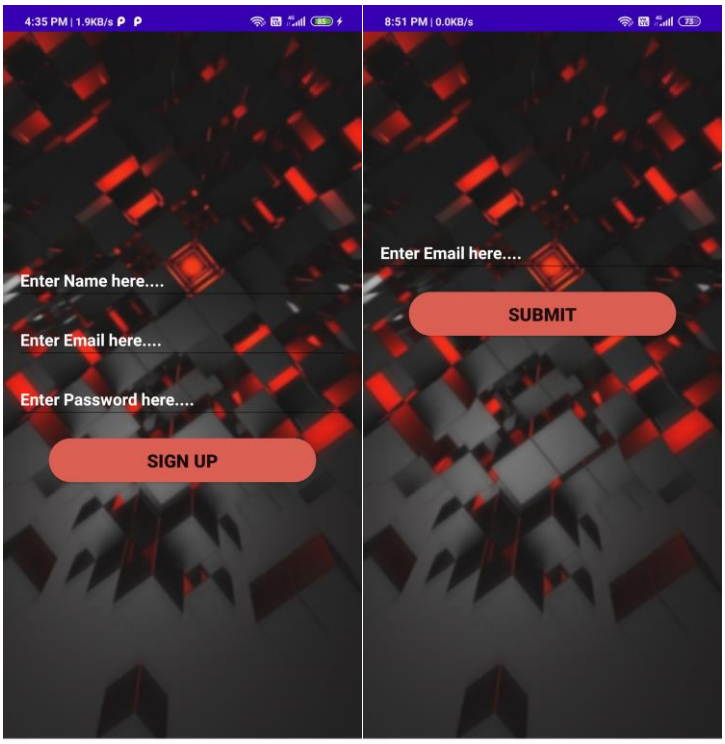


Above image shows the actual document store in fire store which provide our app to storage facility.

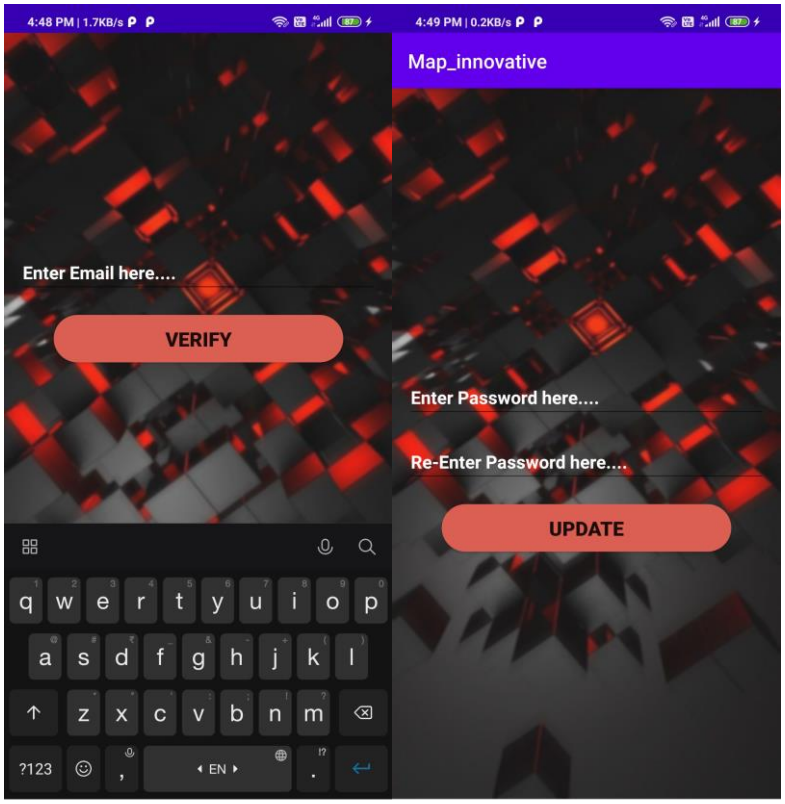
Working demo of Task:



Above image shows the login page of the application.



Above both page will be loaded respectively when use click on sign up / forget password.



Above image is about forget password activity.

When user is click on the forget password it will lead to the above page where he or she required to add 6 digit OTP send to him via register email id, after entering the OTP system check for the validation and if it find valid then it will send user to password change activity. User is supposed to enter new password and enter it again for the conformation.

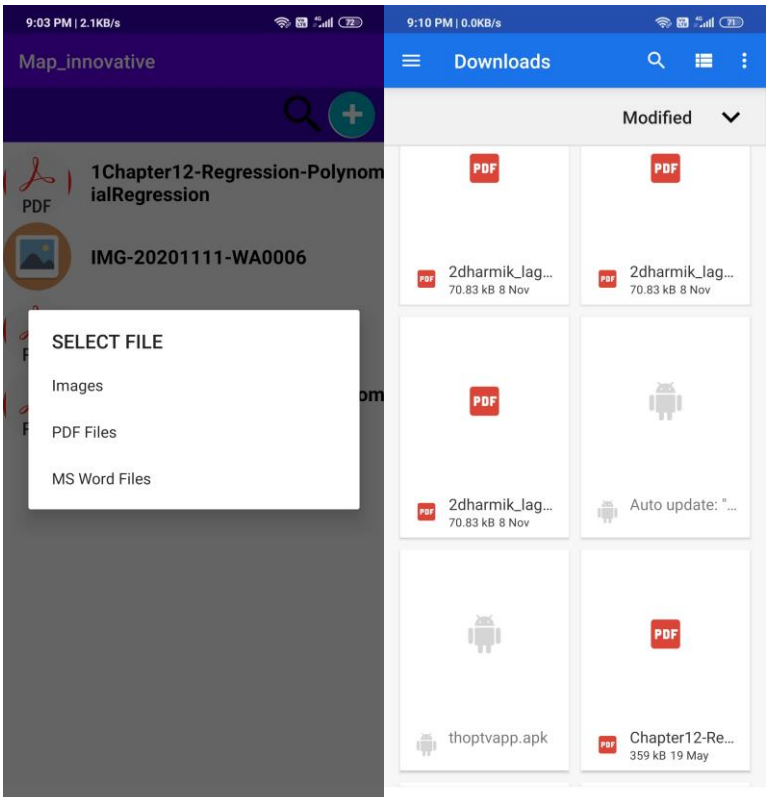
If both password matches, the database entry will be updated and user again will be again send to the sign in activity, all this work is done by the API which is named as a mail service in our document storage.

Home page of Document storage.

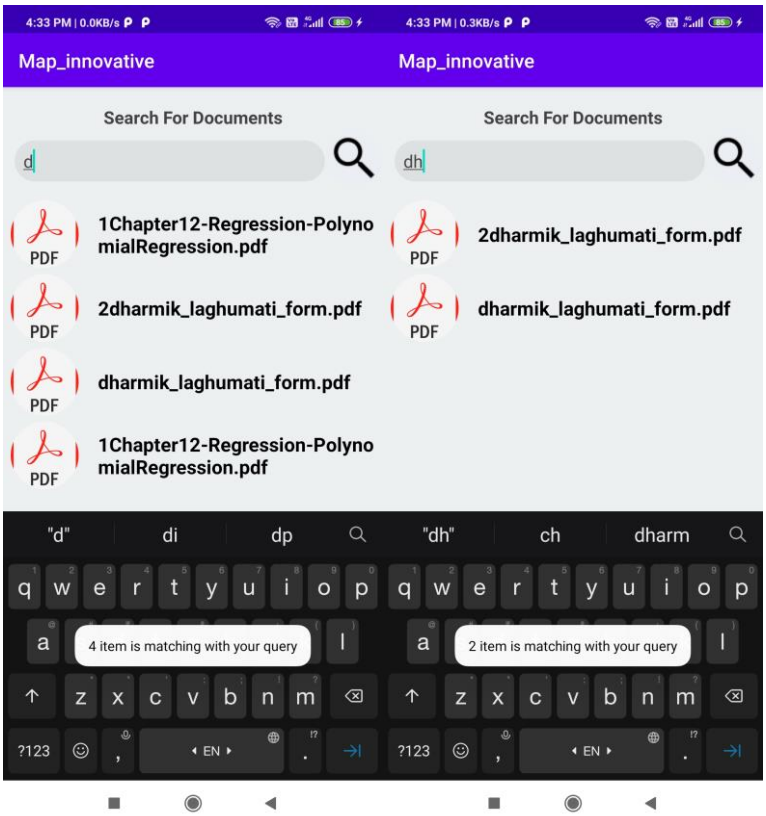
Home page shows the document uploaded by user till date, here when user click on the plus sign he will be provided 3 option whether he/she wants to upload pdf, images and docs, based on the choice selection he will be lead to the local storage of the system.

Another button is for search, where user can search the required document by the name, the process is like we have collection of name in xampp which is about info of document by the user, and each document link of actual location on fire storage, based on query result we will fetch the retrieve document to the user.

And the result will be dynamically updating based on the text type on the search box, the image below described it perfectly.



Above image shows that user has chosen pdf file from the option.



Above image show for single “D” we have 4 result but “DH” we have 2 result.

On the search page when result is fetched, for each result we have 3 option provided on the long press which are as following.

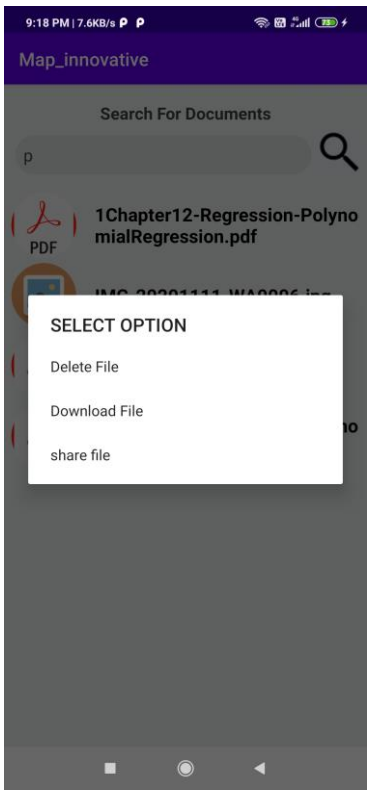
- ✓ Delete the file.
- ✓ Download the file.
- ✓ Share the file.

When user choose the first option file is deleted from the xampp record as well as the firebase record also maintain consistency.

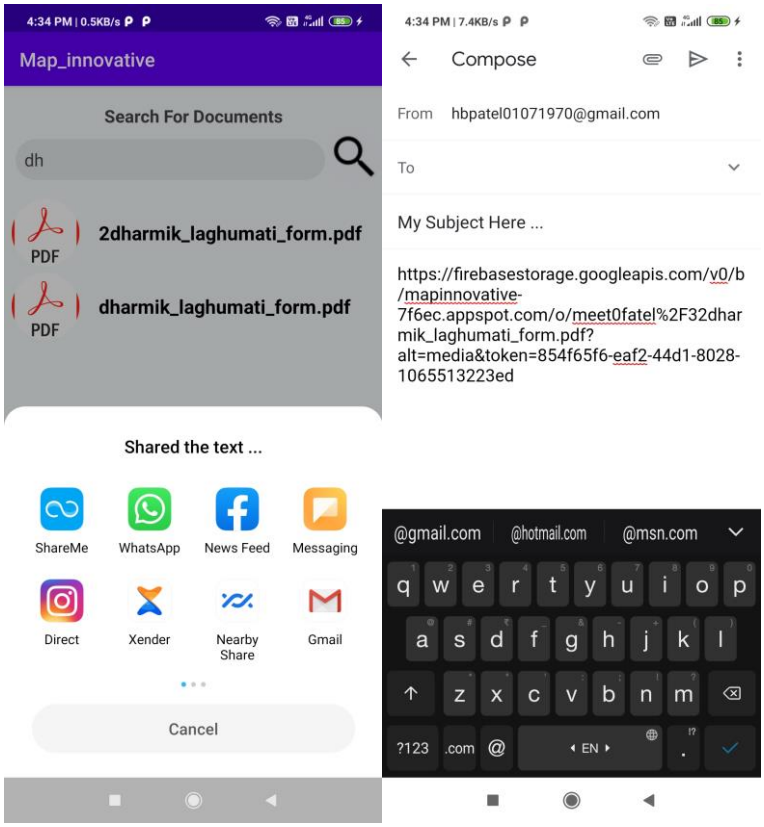
When user choose the second option we will fetch the downloadable link from the fire storage location and will download the file in local machine of user, and user can use later on for their required purpose.

When user choose the third option user will provided application on his local machine which all are responsible for the listening for that application and after choosing particular application we can share preview link to intended user.

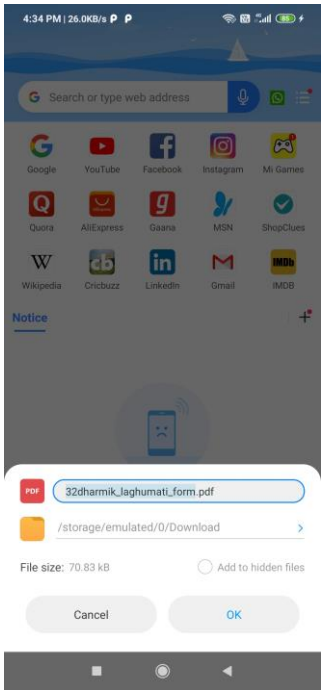
Whereas in home page we have given one option on long click which is delete file only which will work same as discussed above.



3 option provided on long press of searched file in search list.



Here user has choose share option and he will be provided related option and he has chosen to share on Gmail.



Above image shows user has chosen download the file and here the output is.

Above image show that after deleting file in result we search for “DH”, we only have 1 result.

References:

[1] Khawas, C., & Shah, P. (2018). Application of firebase in android app development-a study. *International Journal of Computer Applications*, *179*(46), 49-53.

[2] Chatterjee, N., Chakraborty, S., Decosta, A., & Nath, A. (2018). Real-time Communication Application Based on Android Using Google Firebase. *Int. J. Adv. Res. Comput. Sci. Manag. Stud*.

[3] Rahmi, A., Piarsa, I. N., & Buana, P. W. (2017). FinDoctor-interactive android clinic geographical information system using firebase and Google maps API. *International Journal of New Technology and Research*, *3*(7)