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MANAGING USER DATA USING CLOUD FIREBASE

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ABSTRACT

This paper aims to the creation of "Managing User Data Using Cloud Firebase". Smart phone is consider an important innovation that has changed the human life in several aspects. So for that reason while using android mobile user can upload there data into firebase storage . Firebase is one of the most immersing technology that used for handling user unstructured large amount of data into the firebase storage. It is very necessary to store and secure our important data media for future use in case of emergency as a Backup. Using this application can store and retrive their data into the firebase storage without occupying there own mobile storage. And Using this application user can retrive there data into another devices via there user id and password with there security. And we also provided folder feature for managing user data into structured format. The data may include images, pdf's, videos, etc.

Keywords: Android, Firebase, Realtime Database, Java, Firebase Storage.

I. INTRODUCTION

In our day-to-day work life, we have so many data and information in which some are not crucial and some ate important for us. The data which is important need to be stored. So our project motivation is to store and retrieve the data of users by developing smart phone application. By using this app, the user can store their data such as contact number, images, documents and important notes without occupying their own devise's storage. And the user can access their data from any devices with this application. Cloud storage is defined as a model of data storage in which the digital data is stored in logical pools the physical storage files multiple services and the physical environment is typically owned and managed by a hosting company. These cloud storage providers is responsible for keeps the data available and accessible, the physical environment protected and running. With the help of these android application user stores and retrieve the data by creating an account in our application. By using these app people can store their data such as Images, Documents and PDF's without using their own memory. And people can access their data from any devices with this application[7]. Here in cloud storage data are upload, maintained and retrieve remotely. Here user allows to store files or data into cloud, so that they can access them from any other location and other devices via the internet. In this way user don't need huge storage space in their device for important files but access them easily via this application. Technology Used.

- Android
- Java
- Firebase
- Firebase Storage

Hardware/Software Requirements

- Android Studio
- Firebase
- Laptop/Desktop
- Window 7 or later
- Internet Connection

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Purpose

The main purpose of "Managing User Data Using Cloud Firebase "application is that User can store their important data in to this application and they can access this data from anywhere. In this application we are providing features of storing images, videos, pdf and documents.

Previous System

In a previous system if user lost his/her data or they lost their mobile then at that time they cannot have any backup of their data or their data will lost. If our mail and such applications where we were storing our data but if we lost our mail password or mail get hacked in that case our whole data will be hacked and if we use other application available in the market like Dropbox , dego they also have issues regarding account deactivation or they are not providing free cloud space and Other application give insufficient storage space.

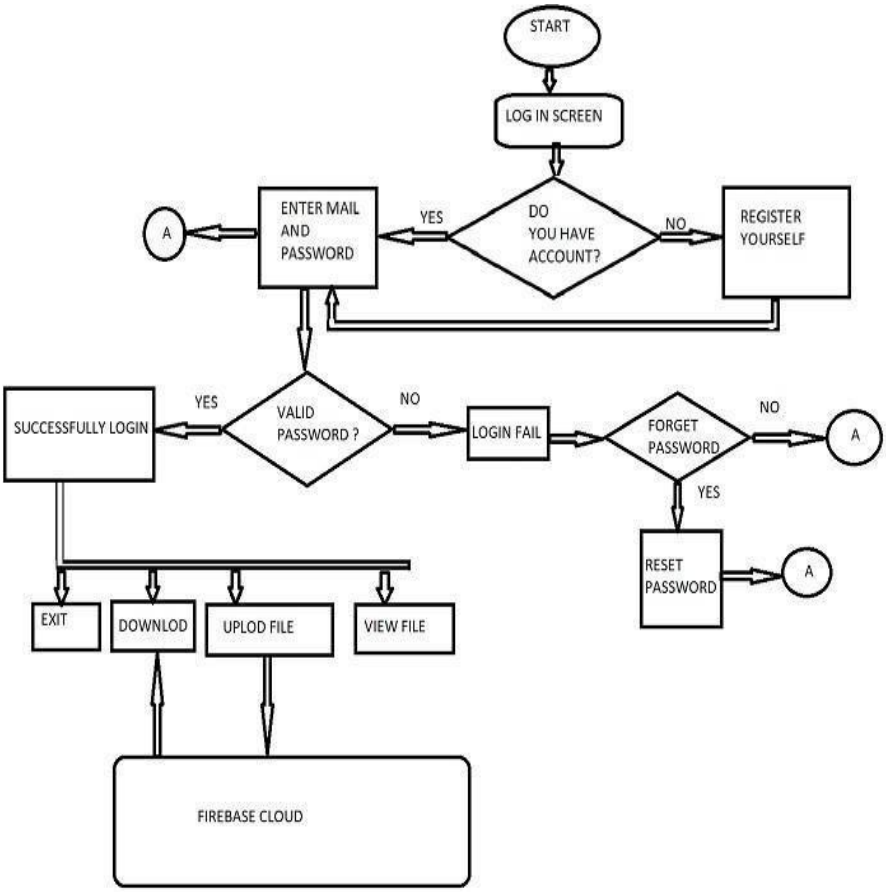
Proposed Architecture of System

UDMS is an Android application working for storing the users data from android application and retrieve it in that device also in other devices.

The application can work on any Android version which is above 4.0.

The application workflow starting with splash screen of 5 seconds. Then after the user entered in into the login screen. But when user came first time the they need to create an account. After Registered user back to login page here user will be login with their email and password[2]. For user In our application we provided an option of google login also. After getting login successfully user entered to the home page. Here user is able to upload their data likes Images, Videos and Documents. The data uploaded by the user is stored into the particular authorized id created for particular user in Firebase storage.

The data uploaded by user is to be secured by using google security framework. so that the user don't need to care about their data. The Firebase cloud storage provides up to 10GB data storage for the user in free of cost. If user want to increase the their storage more than 10Gb user must need to pay some amount. In some condition if user loss their mobile or data user have the option to retrieve their uploaded data by using this application in that device aswell as in other devices also using their authentication id[5].



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For uploading data our application provide features of camera access and gallery access option. For user purpose we are can create a folder option of particular name that user want using that folder user access of sorting data. We are providing the feature of folder in that user can create there own folder name as per there requirement and store there data as there sorted manner

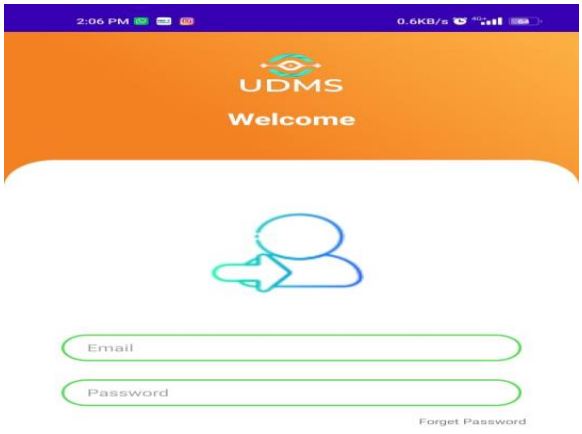
Advantages

- It is more secure
- Lifetime account access
- More Storage space up to 10Gb
- Easy to store and retrieve
- Select multiple files at a time
- Retrieve data in other device also
- Cost Efficient
- Working on low End devices

Output

Photograph of Work :

UDMS



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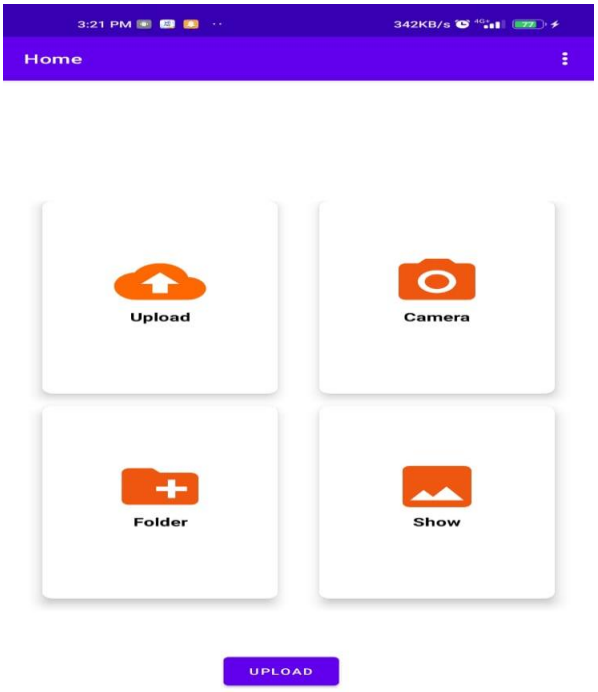

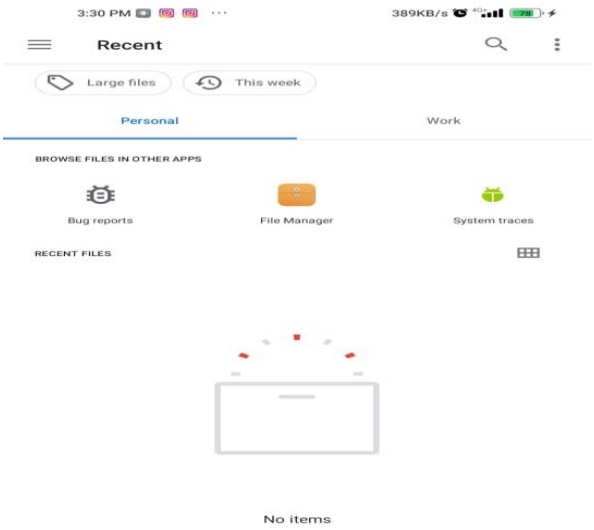

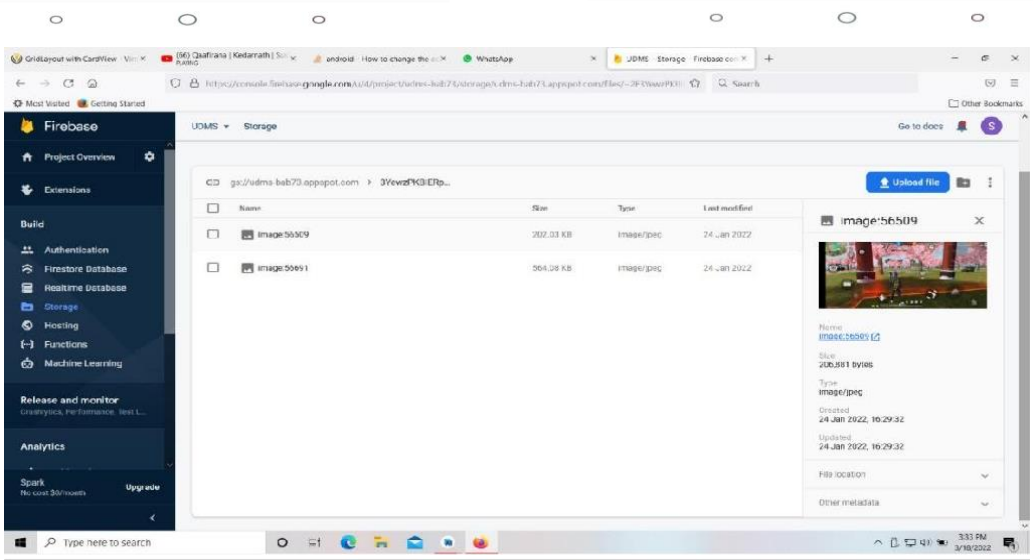

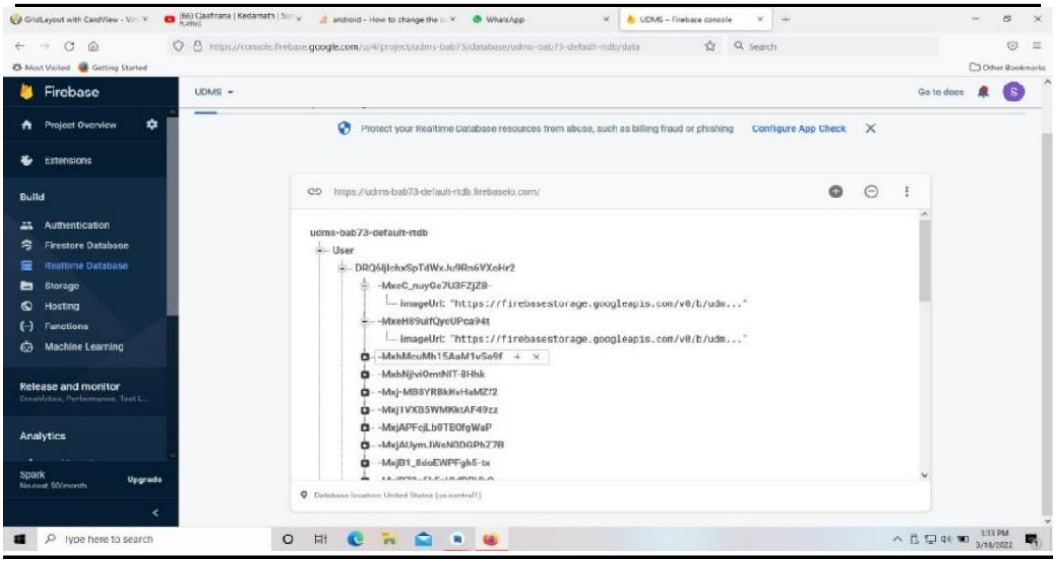

II. CONCLUSION

In this research and development work, we have provide a services that they have a rights of not only evaluating the implemented cloud services, but also provides the key features to manage data in the cloud. The project show us to the latest technology in the area of mobile platform development. Thus, this application is successfully establish a mobile based "User Data Management System".

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