“BookMyBillBoard”, booking Billboard for advertisement through Apps

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Project Idea:

With the advancement of technology people are getting each and everything within the palm of hand. In big cities like Dhaka there are lots of main areas with hundreds and thousands of Billboards. It would be great if people can contact and give advertisement through an application. That is why I have tried to create an android application, in which people can easily upload details about their billboards and can let thousands of people to know about their them. It is a simple android app which supports all recent versions of android. Besides, it is very user friendly. The layouts and functions are designed for the users who have a basic idea of operating an app. So, I hope it will be useful for all ages of people.

Project Descriptions:

This app has some easy to operate basic functionalities. It starts with a home page which have two buttons – *Give Add of Billboard*, *View Billboard ADDs*. If we click on the *Give Add of Billboard,* it opens an activity which have a Login form with the details of email and password. The User have to give their valid email and password. Another button *View Billboard ADDs* will directly view the uploaded information and images of billboard.

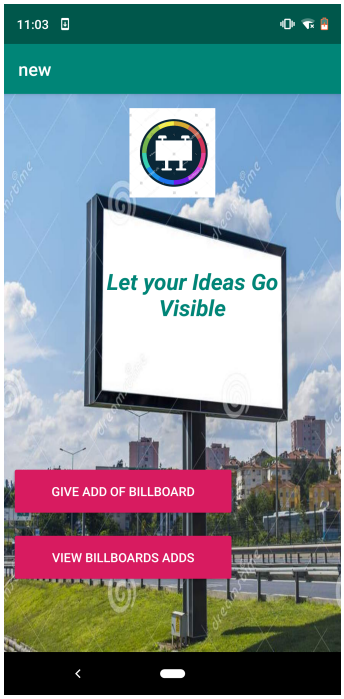

fig1: Homepage(Activity1)

If the user doesn't give a valid email or a password of more than 6 characters, then the app will give a toast message to enter a valid email or a password of 6 characters.

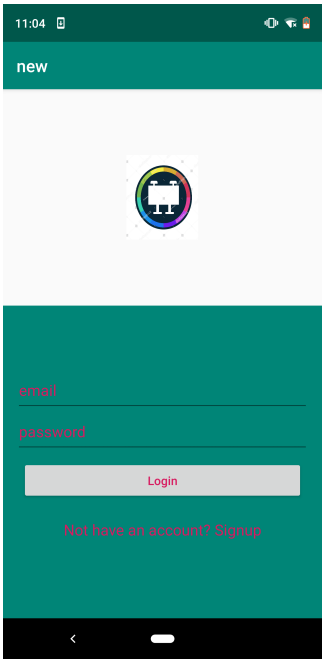

Fig2: Login-page(Activity2)

Then after giving while the user will press the login button, another activity will appear which contains the types of billboard the user wants to upload.

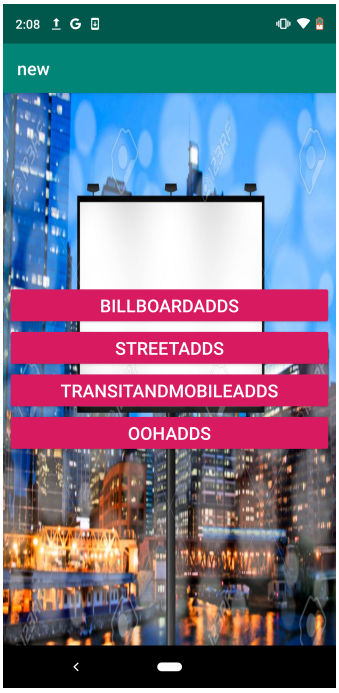

Fig3: Type-of-Billboard(Activity3)

After selecting the type of Billboard we press the type and another activity opens. That is the upload activity.

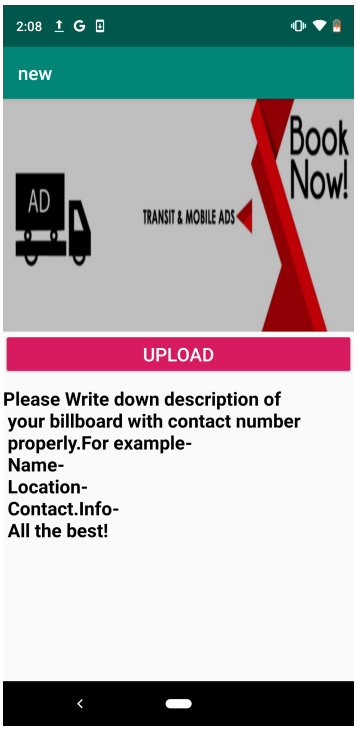

Fig4: Upload-Description(Activity4)

After clicking the Upload activity comes the main part. To choose a picture from gallery of billboard user will press *CHOOSE FILE button.* Again, there is edit-text where user will give name of owner and contact and location details. And upload a picture of the Billboard.

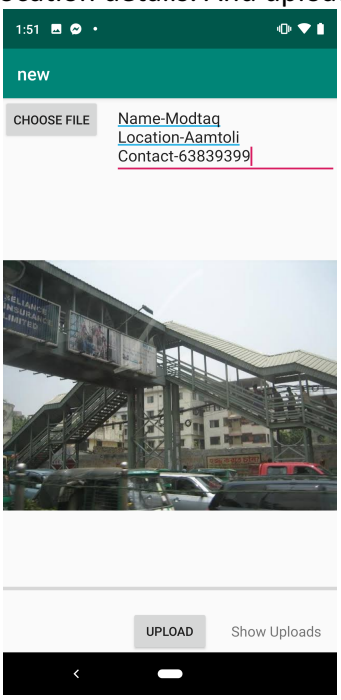

Fig5: Bring-picture-from-gallery-to-app(Activity5)

After this we will press the upload button and if the info is uploaded successfully, there will be a toast showing upload successful. Thus, it will be uploaded in the database of the app. In case of database we have use firebase database and firebase storage in our application.

Fig6: Upload-Successful

Then we can press the *show uploads* button to view the uploads from database.

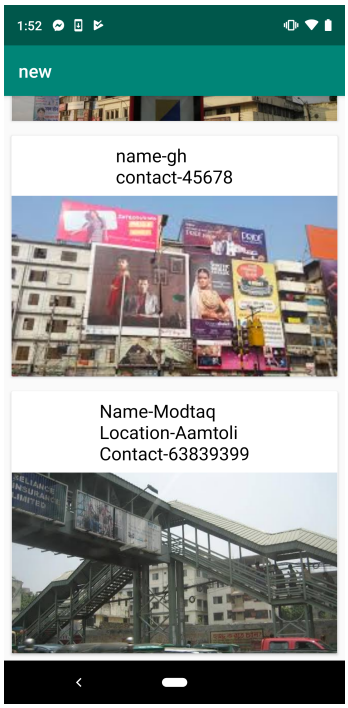

Fig7: Display-Billboards(Activity-7)

Using Firebase in App:

Since in my app I have to store image as well as information of the user I have connected my app with firebase. In it, I have used the authentication, database and storage platform.

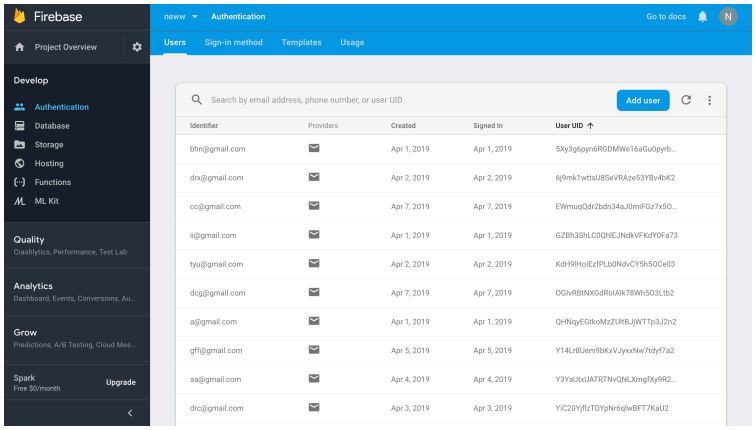

Fig8: User-Authentication

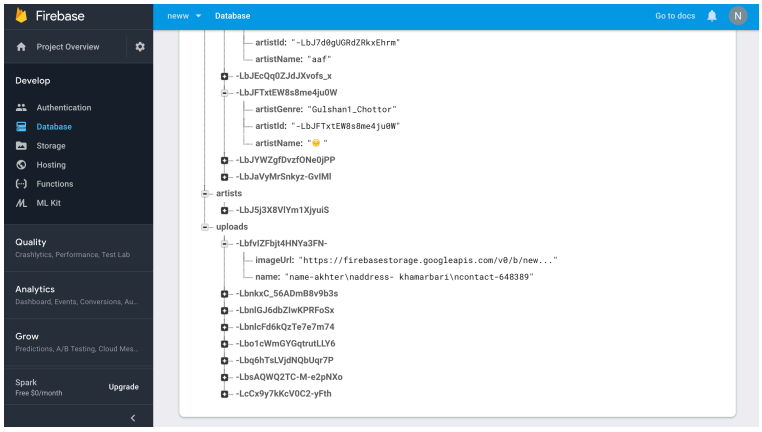

Fig9: Firebase-Database

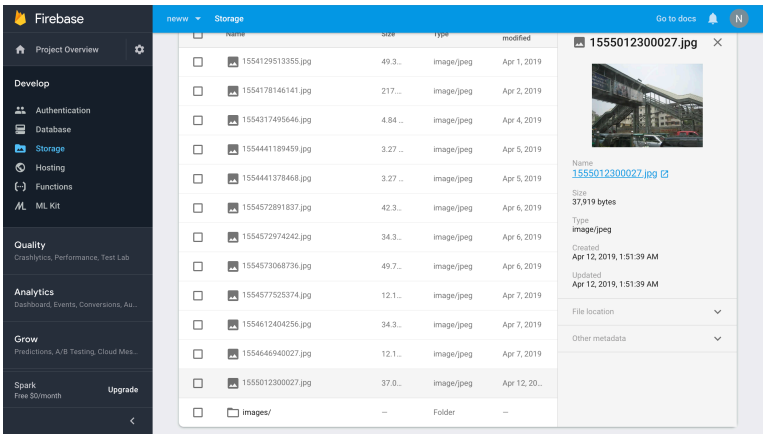

Fig10: Firebase-Storage (for image storage)

Future Improvements:
In future, I want to improve the apps by providing more functionality like displaying whether the billboard is booked or not booked. There can be an option to directly call the owner of the billboard. There can be a search option which will provide the information of any billboard with specific location. Besides, there can be a map to locate nearby owners. As the app is simple and user friendly, I hope it will be very useful for such billboard business owners.