Project Description

In this mobile application I'm registering the users to the database . If they are registered users the can sign In to the application. They can send their location and store it to the database after a biometric validation. User's name , current longitude , current latitude and date and time are stored in the google firebase database. Due to time constraint I could not send notification to the parent .

In the attached folder the files coded by me are:

I)Java files

1)MainActivity.java

2)LoginActivity.java

3)ProfileActivity.java

4)ValidateActivity.java

5)FingerprintActivity.java

6)LocateActivity.java

7)FingerPrintHandler.java

8)UserLocationDetails.java

II)layout files

1)activity_main.xml

2)activity_login.xml

3)activity_profile.xml

4)activity_validate.xml

5)activity_locate.xml

III)drawable files

1)ic_fingerprint

2)ic_locat

3)ic_logout

I had to change some of the dependencies in build.gradle(app) and build.gradle(Project) . I had to gain acccess to certain permissions in the AndroidManifest.xml . There is a file "google_services.json" this was used to connect my application to the google firebase .I used Android Studio to develop the application .
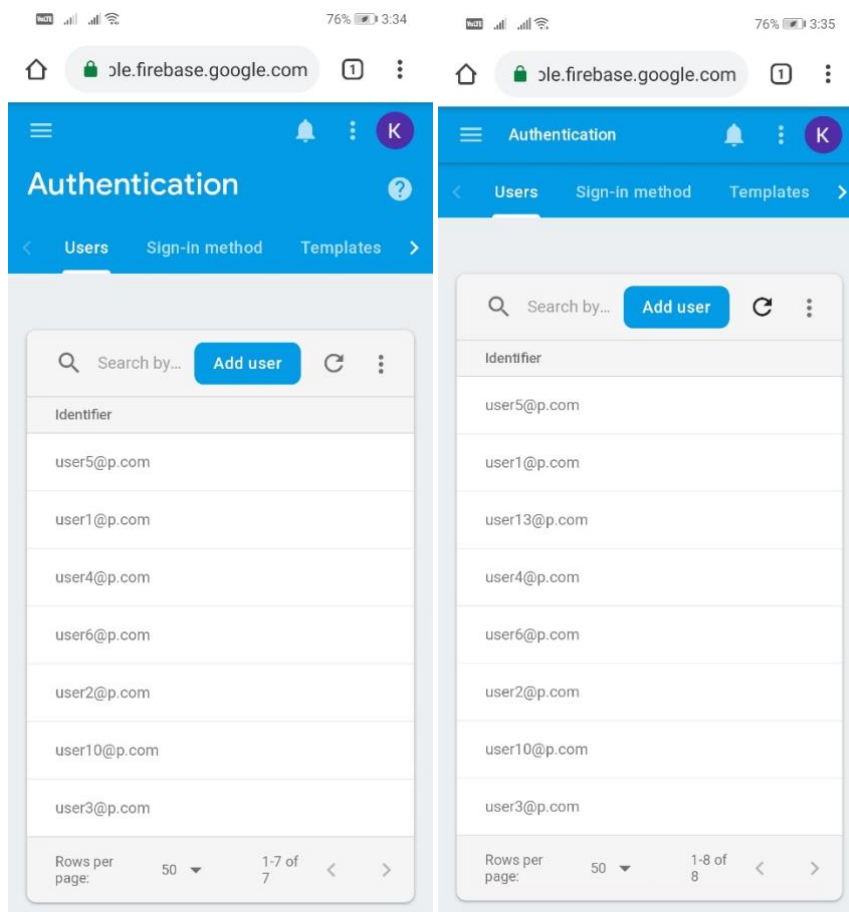
MainActivity.java and *activity_main.xml* are responsible for user registration and storing the new users to the cloud

LoginActivity.java and *activity_login.xm*l are responsible for verifying if the user is already reistered if registered they proceed to the profile activity page

ProfileActivity.java and *activity_profile.xml* can have the log out button and the send location button.

ValidateActivity.java , *activity_validate.xml* , *FingerprintHandler.java* this files are responsible for validating the finger print and procedding further if the finger print matches

LocateActivity.java , *UserLocationDetails.java* , *activity_locate.java* are responsible for obtaining current date , time , longitude , latitude and store it in the google firebase database

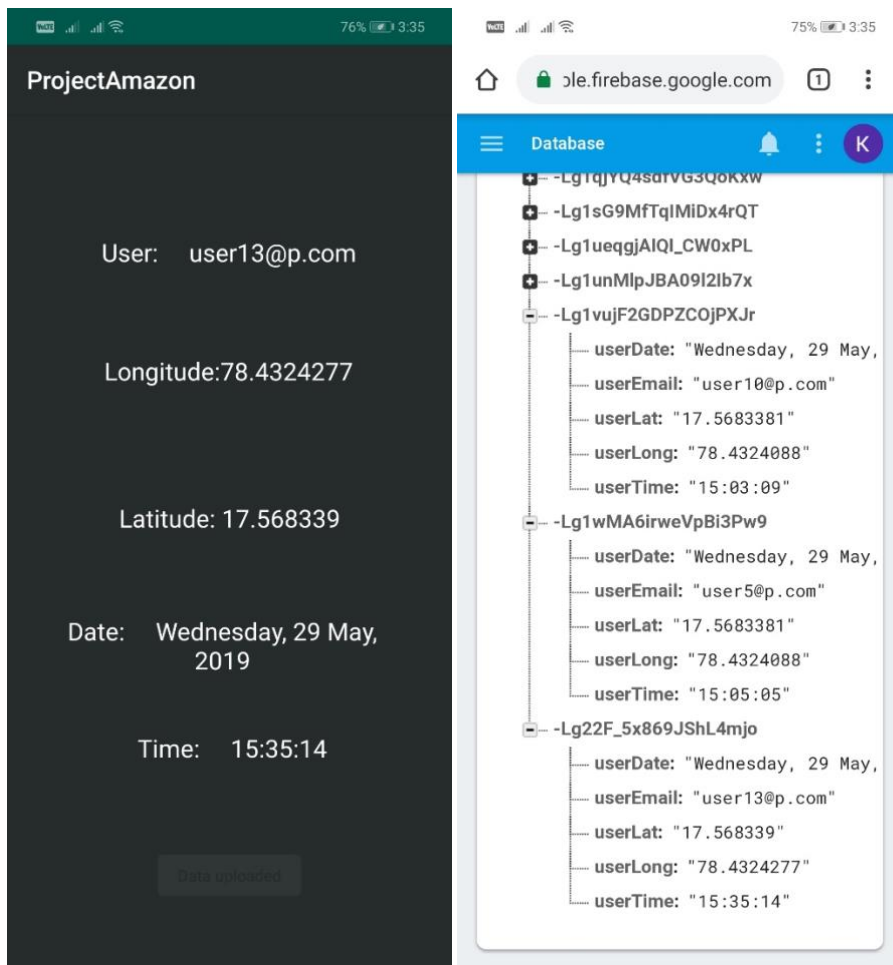First image is before user13@p.com was registered and the second image is after user13@p.com has registered

Figure to the right shows that user13@p.com details were added to the database