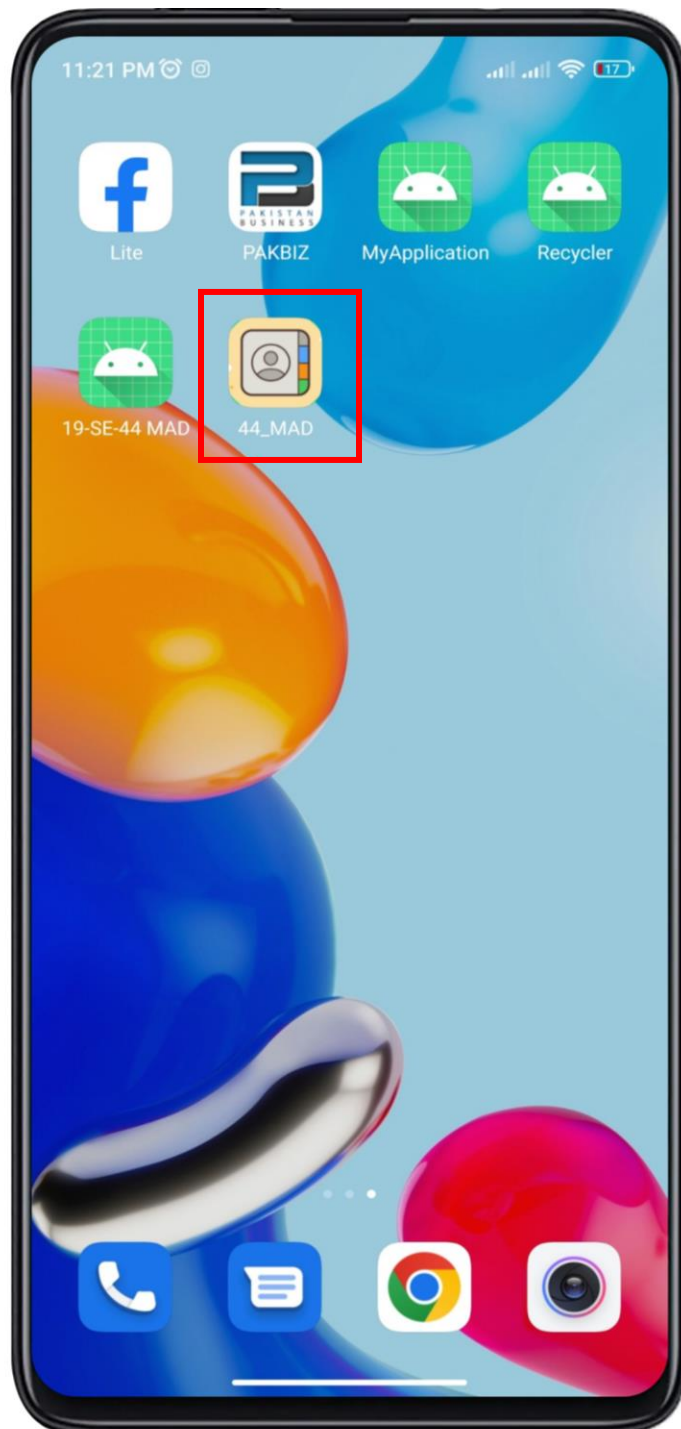
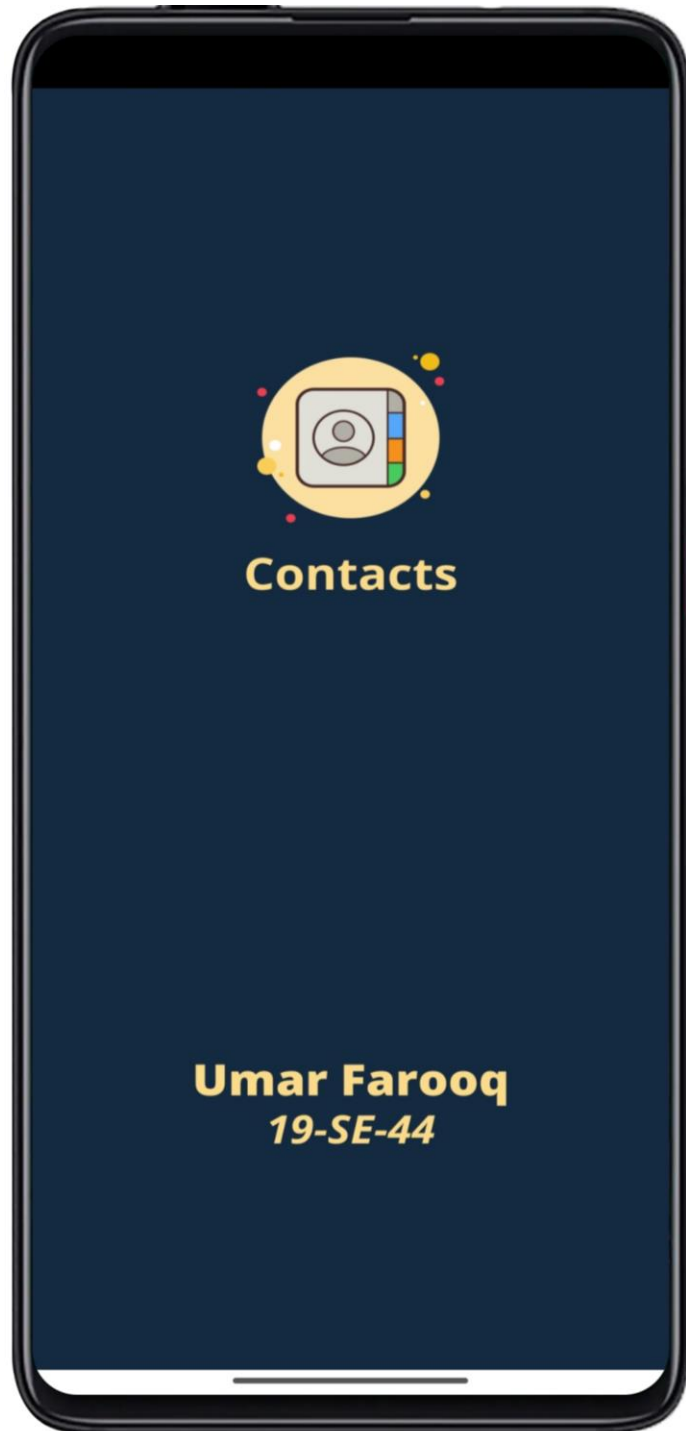


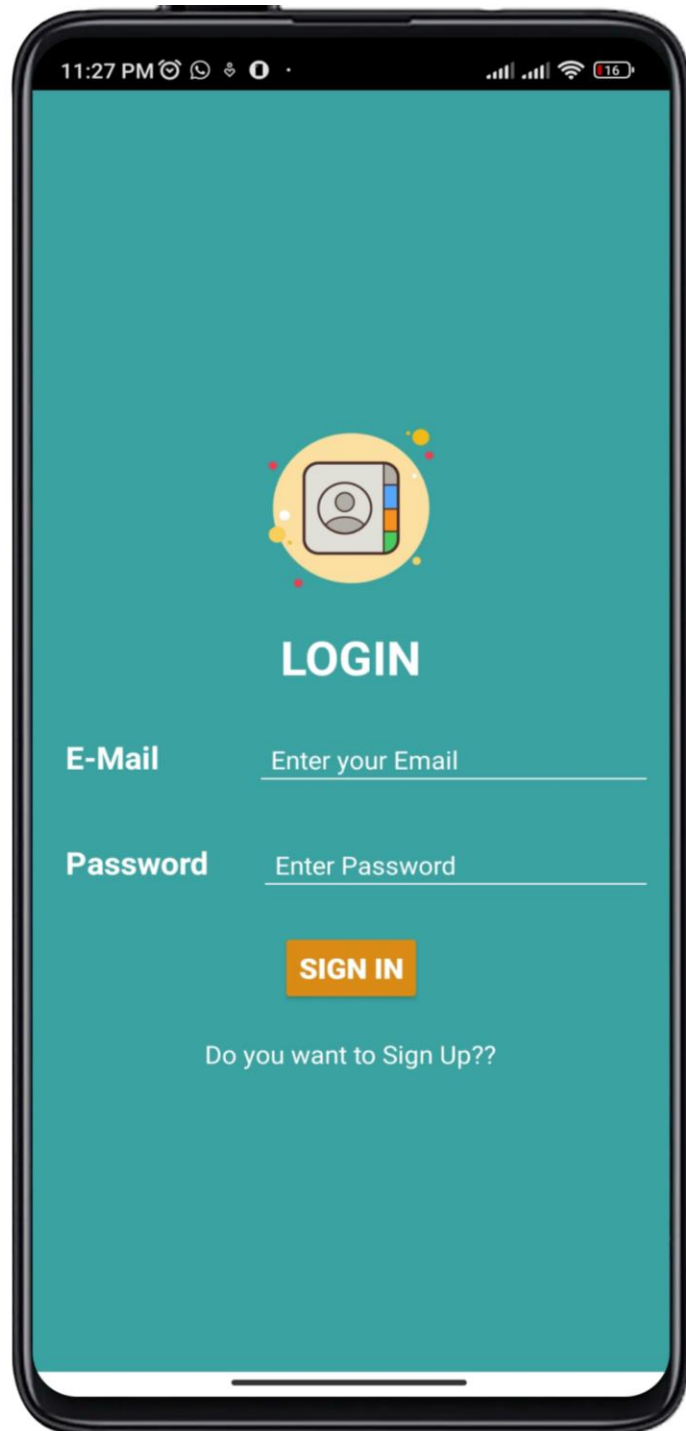
I have built a contact app in which there is option of login and signup. User can save his/her contacts in this app.



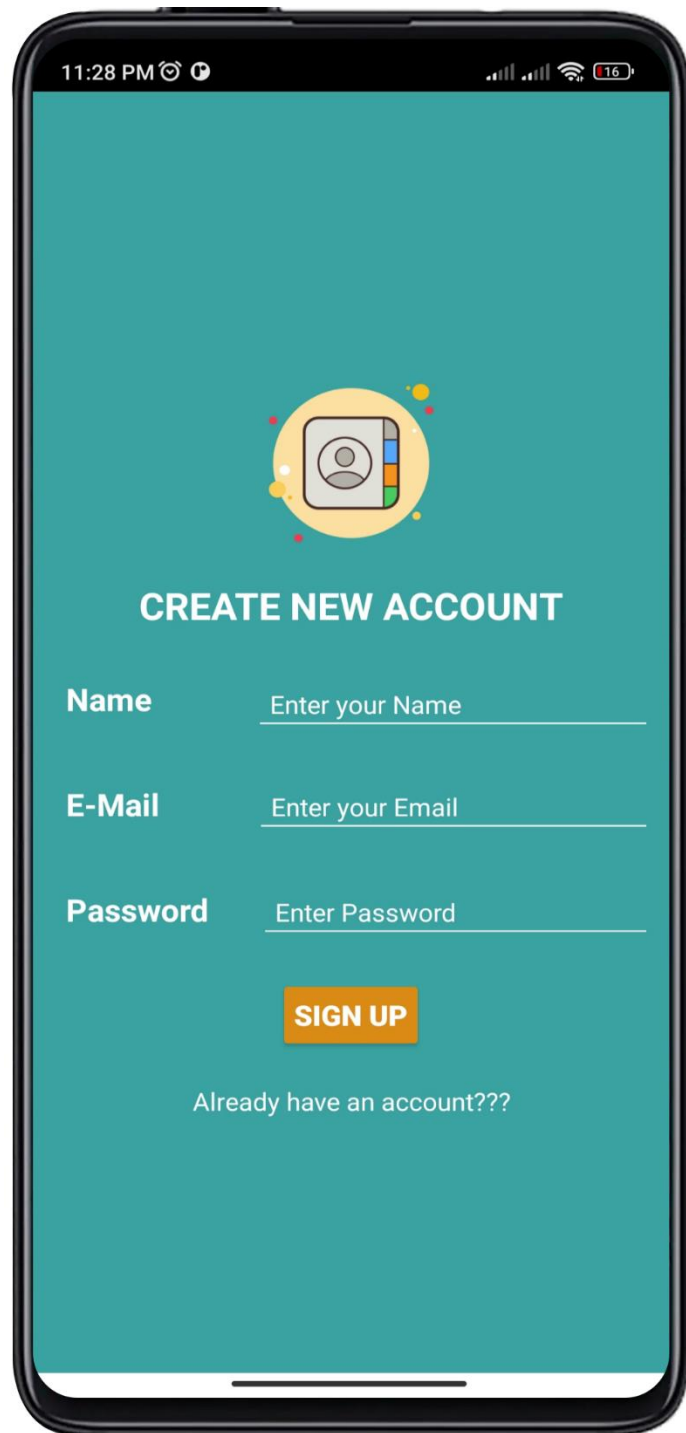
This is launcher of my application. By clicking on the launcher you will see a splash screen as shown below:



After this splash screen of 3000 milliseconds, we will see a login screen as shown below:



This is the login screen of our application. If there is a new user on our application, he/she will click on “Do you want to Sign Up??” and he will be on the Sign Up Screen as shown below:



11:28 PM

CREATE NEW ACCOUNT

Name

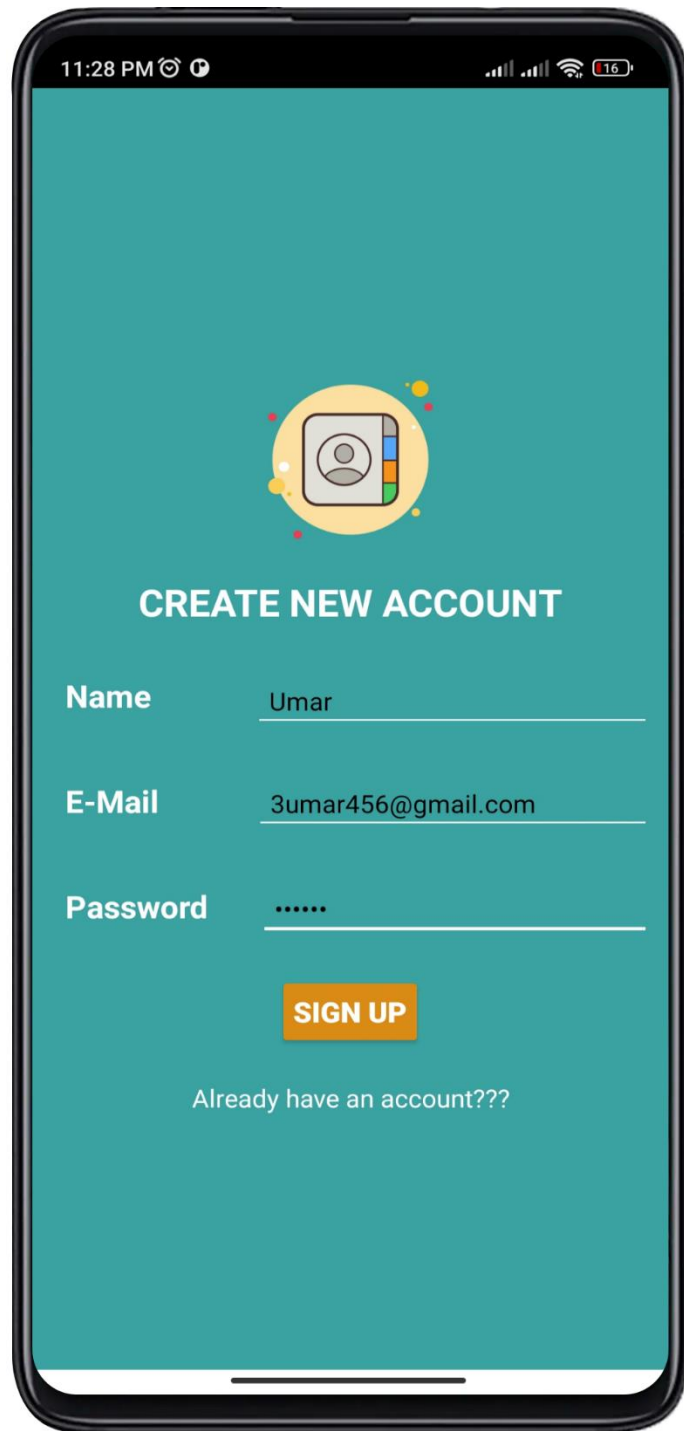
E-Mail

Password

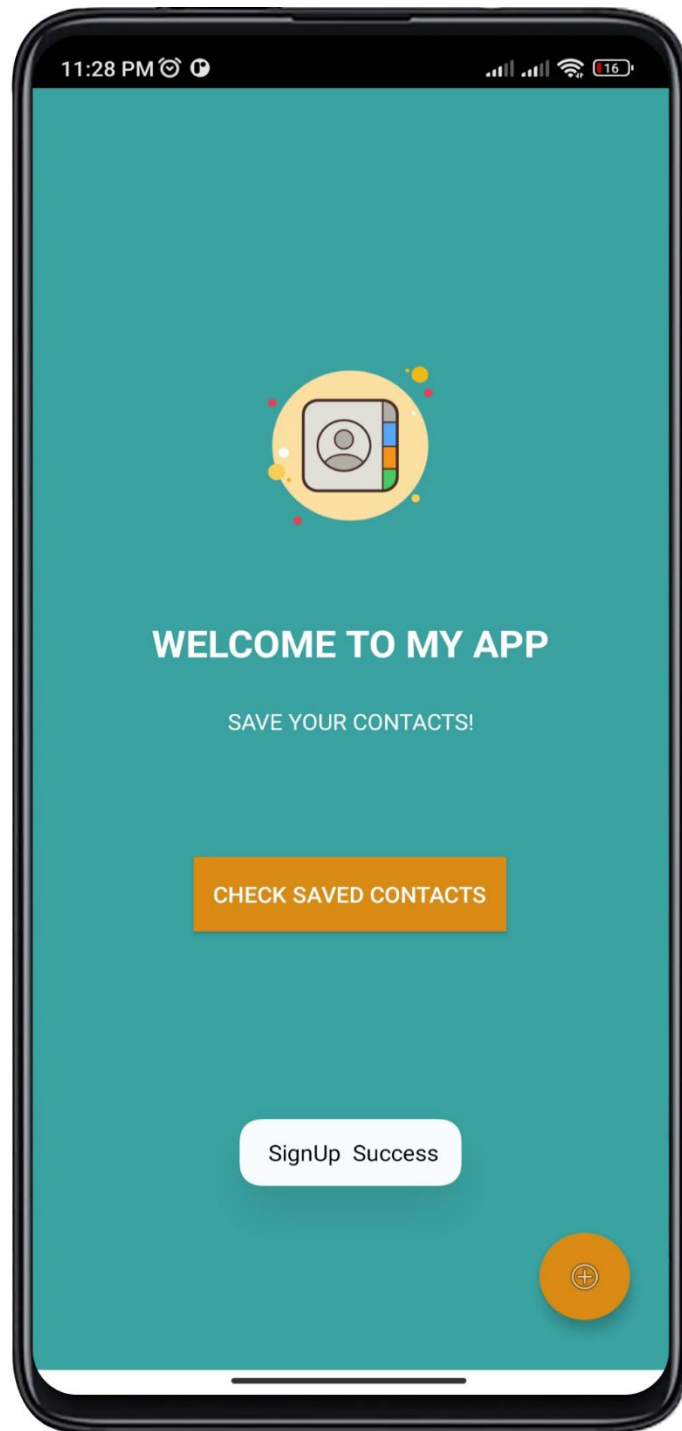
SIGN UP

[Already have an account???](#)

Here the new user will enter his/her name, email, and password. And when he/she will click on Sign Up, he will become an authenticate user and his data will be stored in the firebase. For an example, I have attached a screenshot below:



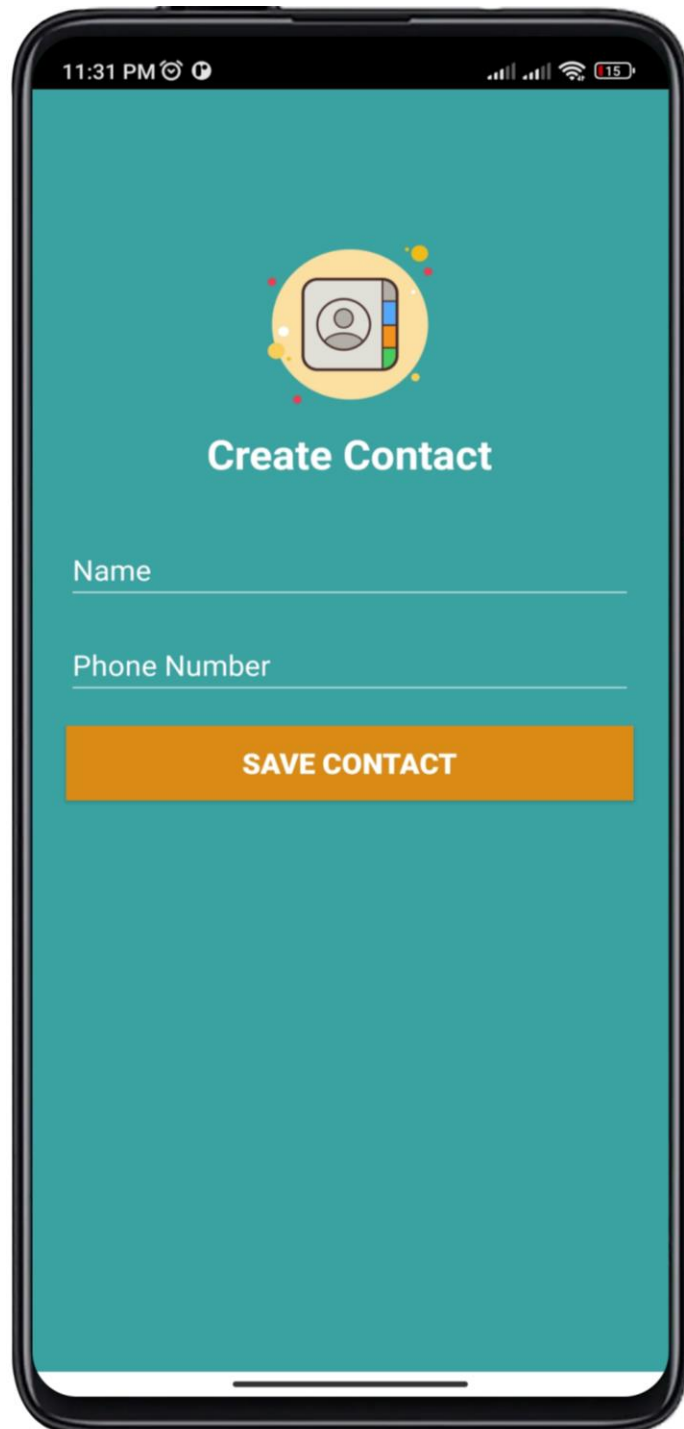
The user will just hit Sign Up button and he will be logged in again and he will become an authenticate user then. After clicking on Sign Up, following window will appear:



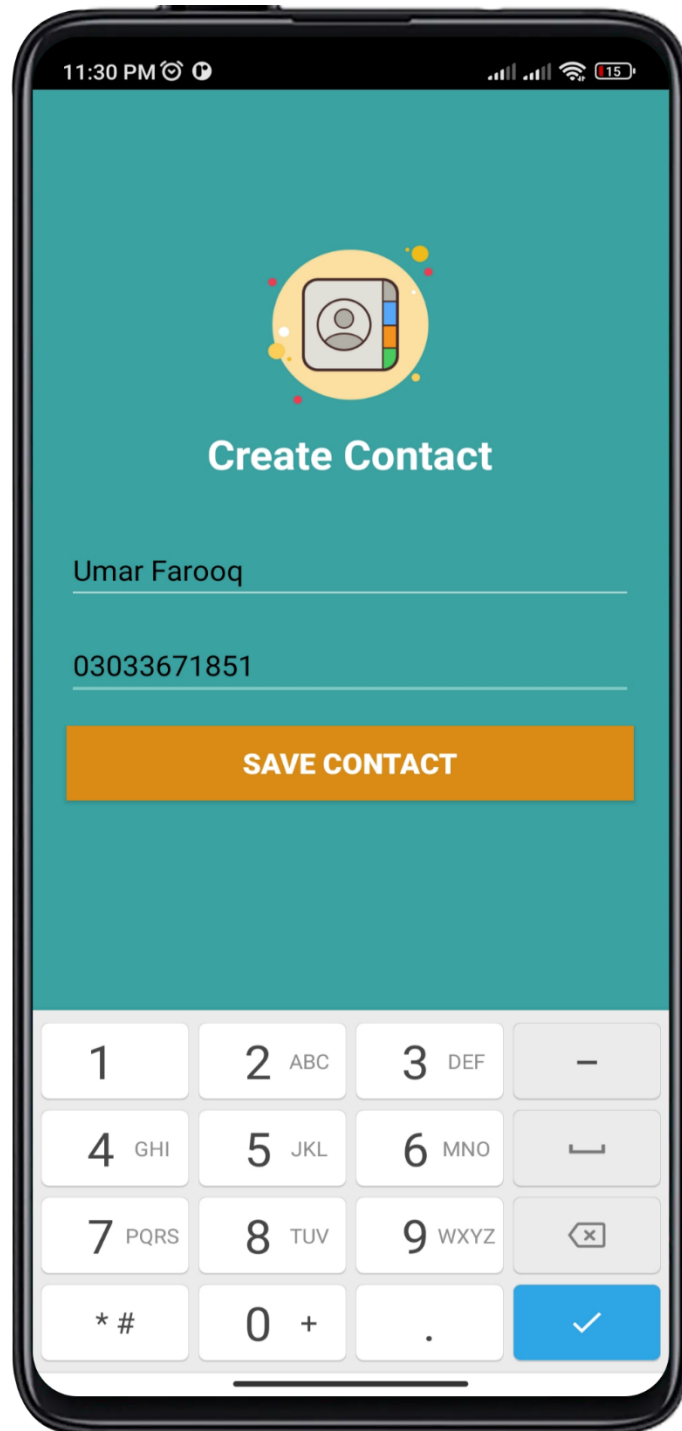
There will be a toast message “SignUp Successfully” and data will also be saved for this user in the firebase as shown below:

Search by email address, phone number, or user UID					Add user	↺	⋮
Identifier	Providers	Created ↓	Signed In	User UID			
3umar456@gmail.com	✉	Jun 14, 2022	Jun 14, 2022	zs3Ufzlrq4WtfujHMMc49INwxHZ2			

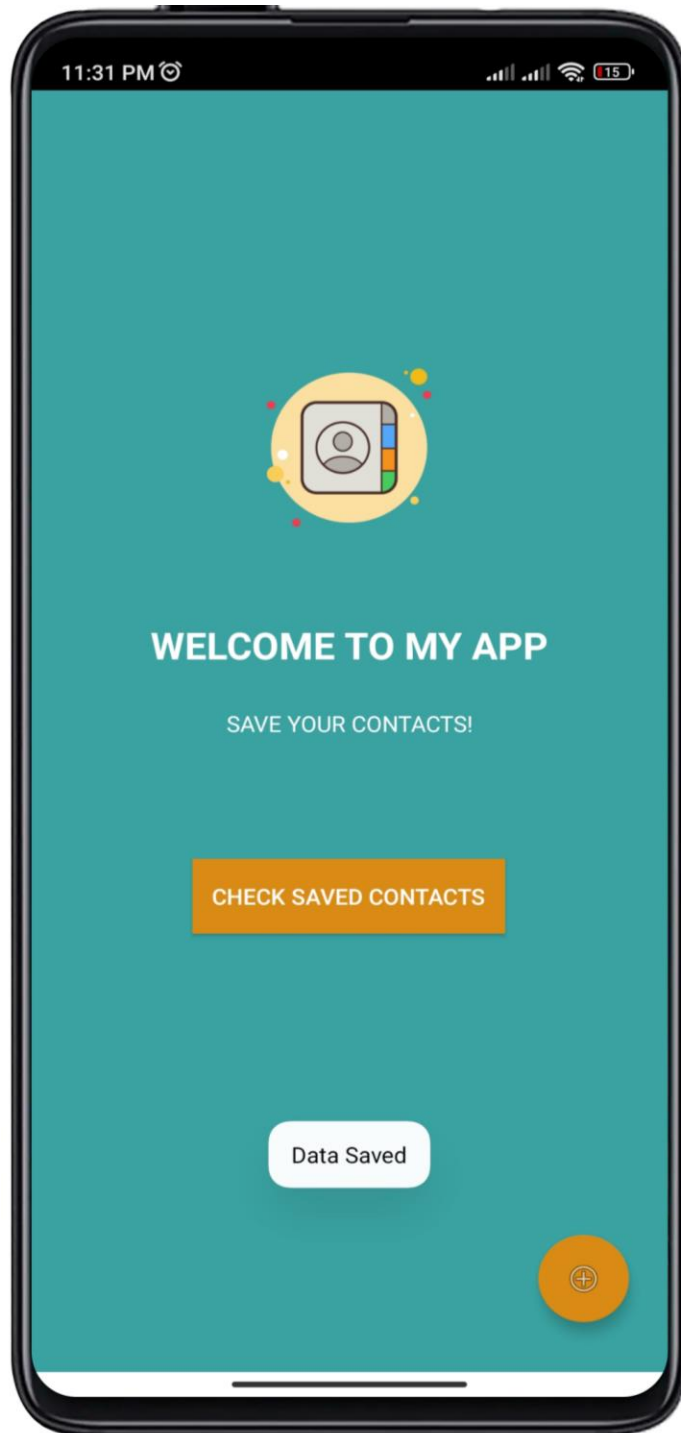
Now the User will press the add button in the right bottom of the activity and he/she will see the following screen:



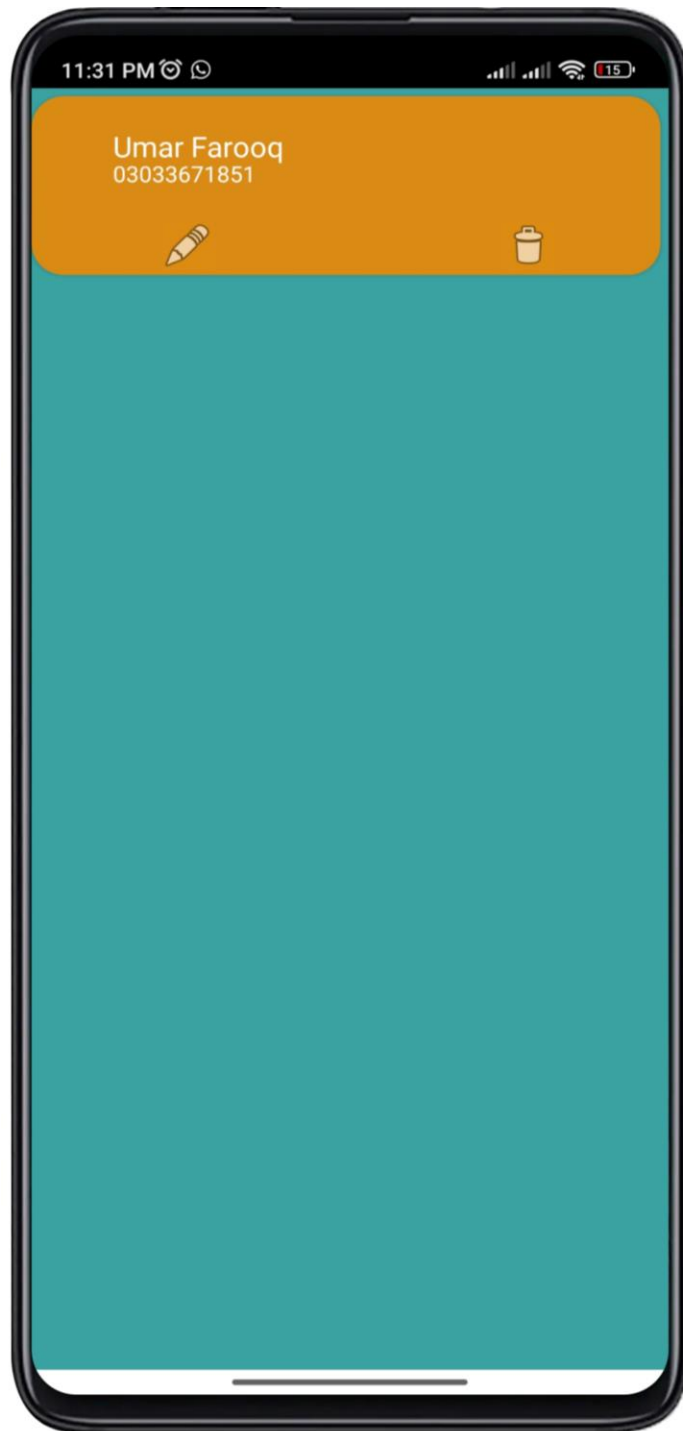
User will enter Name and Phone number and then he will press on “Save Contact”.



After pressing “Save Contact” user will go back to the previous activity with a toast message of “Data Saved” as Shown below:

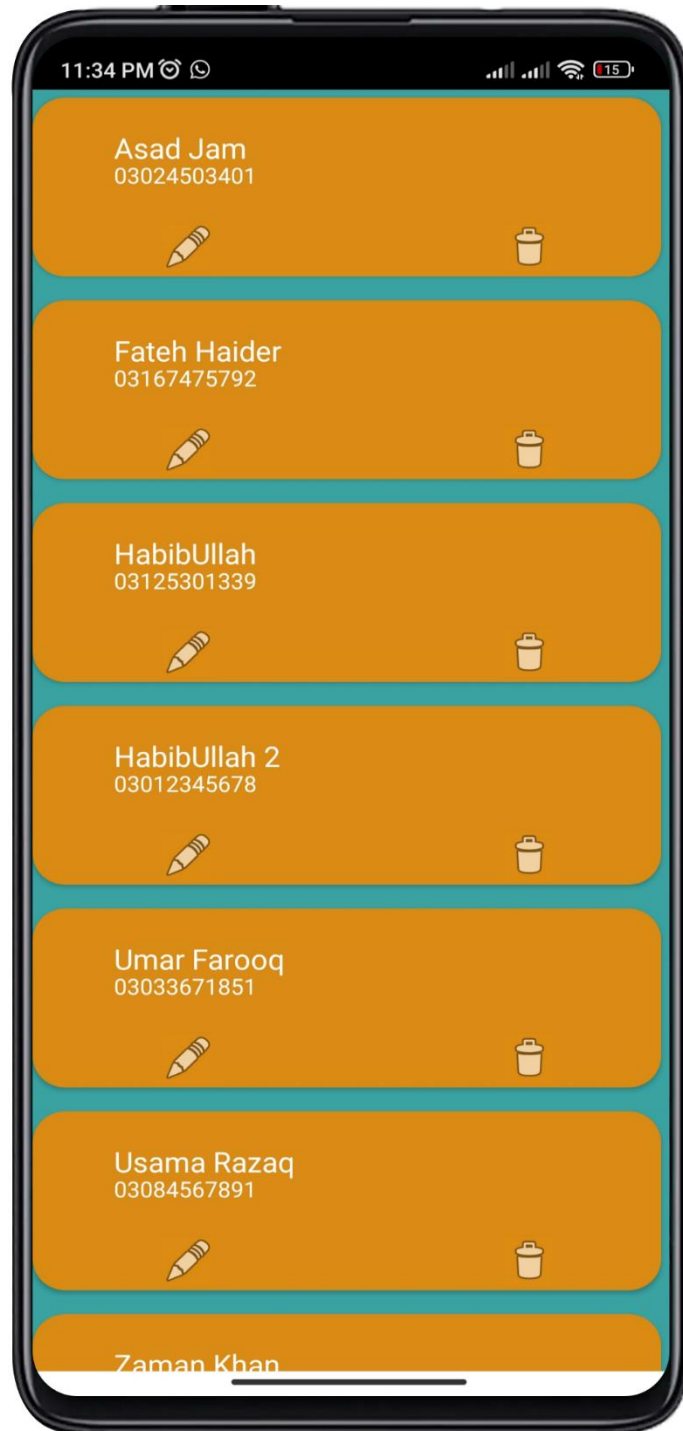


The Name and data has been saved in the firebase. Now the user will click on the “Check Saved Contacts” button to see his saved contact as shown below:



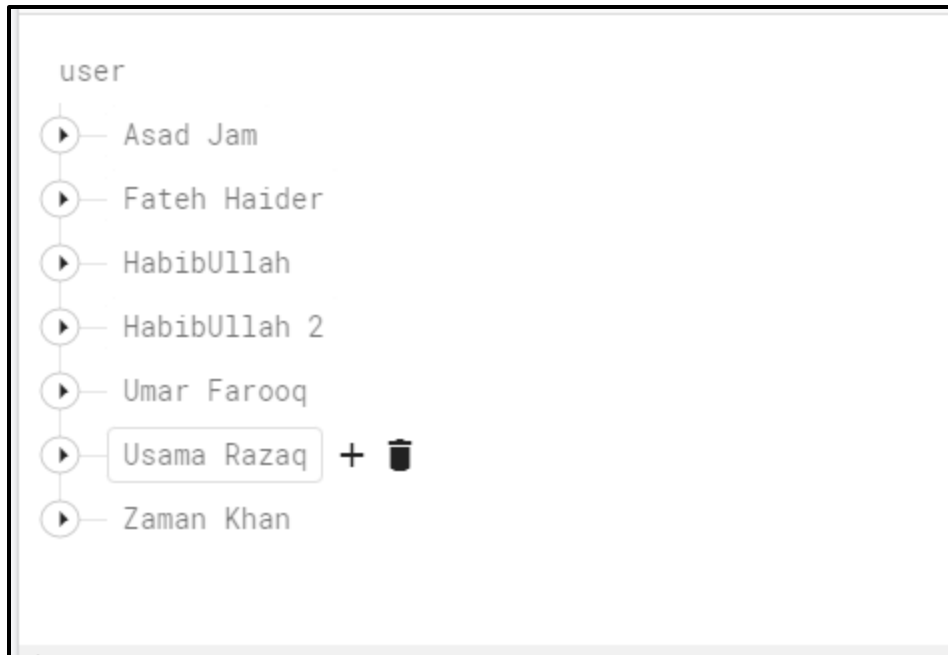
You can see that the user is now able to see his saved contact number.

It was just one number, let me save more number and then I will come back to this window. The Screenshot after saving more contacts is shown below:



Here you can see that there are many numbers have been saved which we are showing in the recycler view.

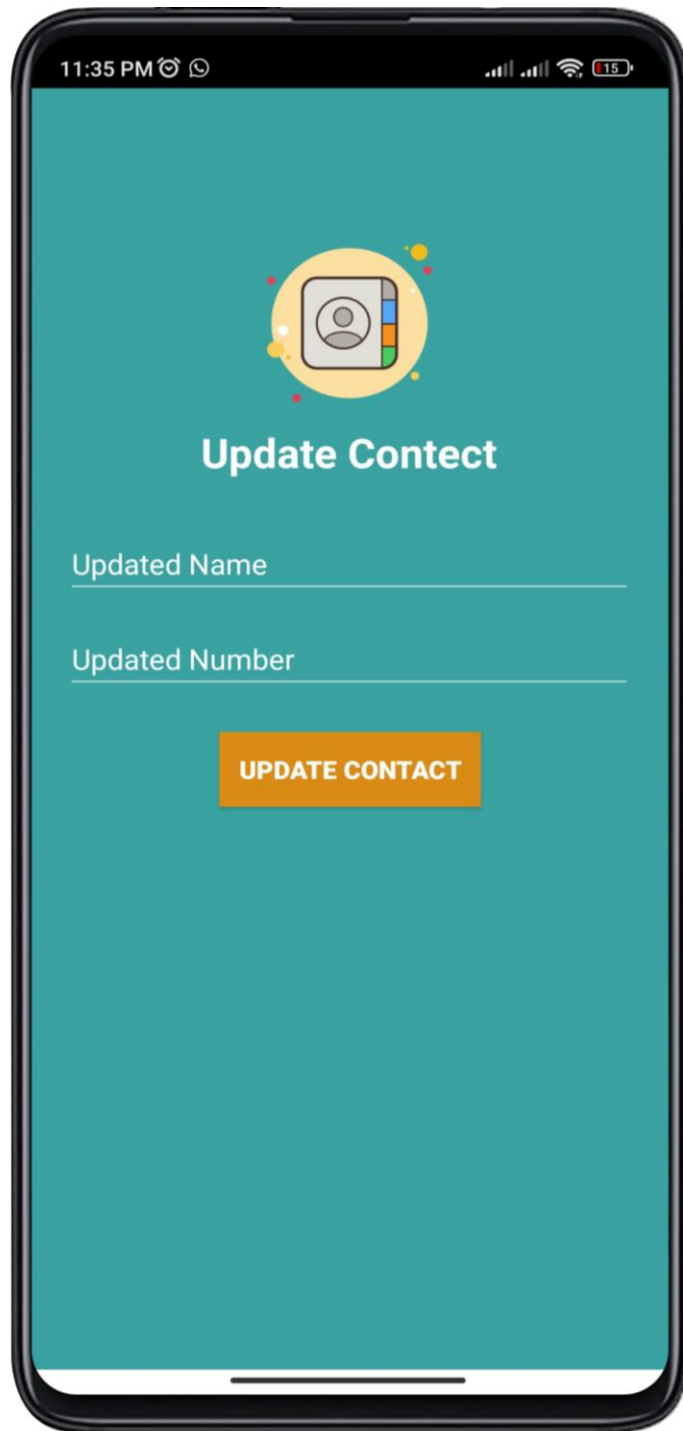
Let me attach my firebase screenshot also:



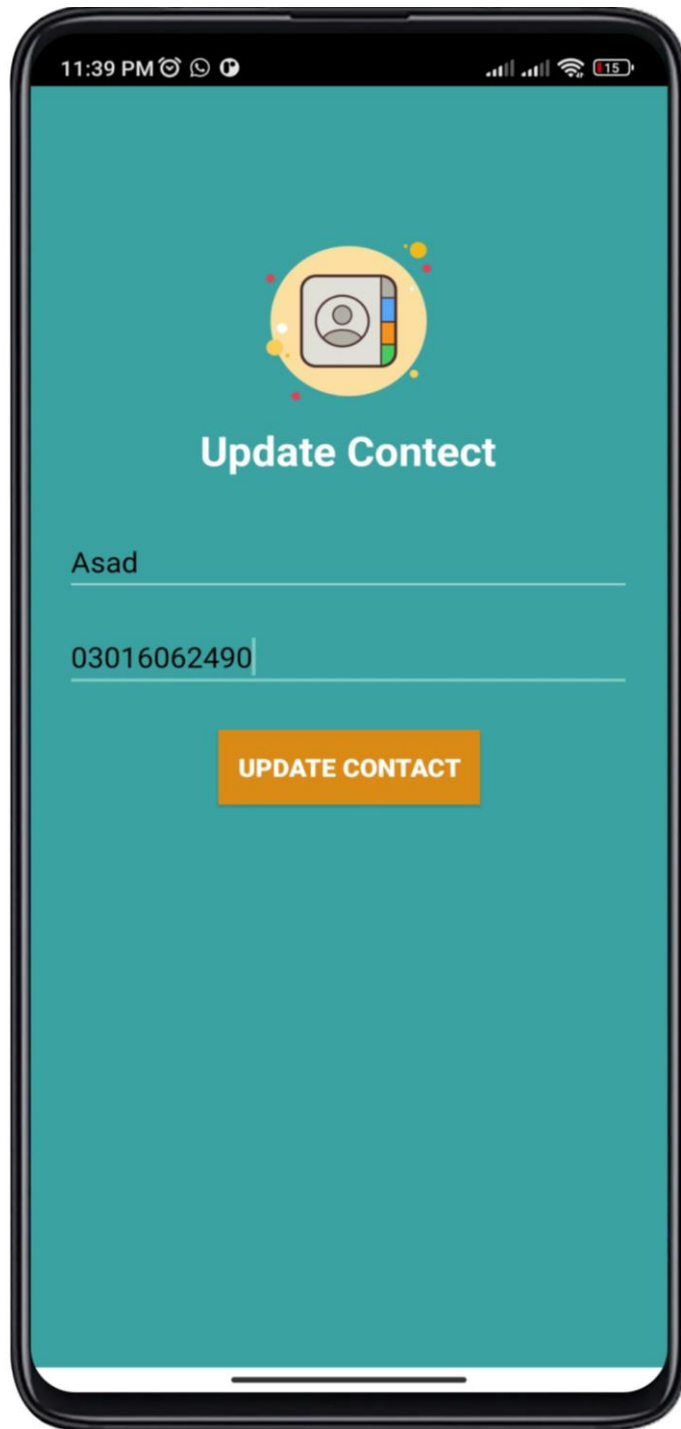
The following data is in our firebase. Our recycler view is getting this data and showing us this data.

After this we can update any of our contact number by clicking edit image below every contact number. When we will click on this edit button a window will be opened where we can update our data. Screenshot is attached below:

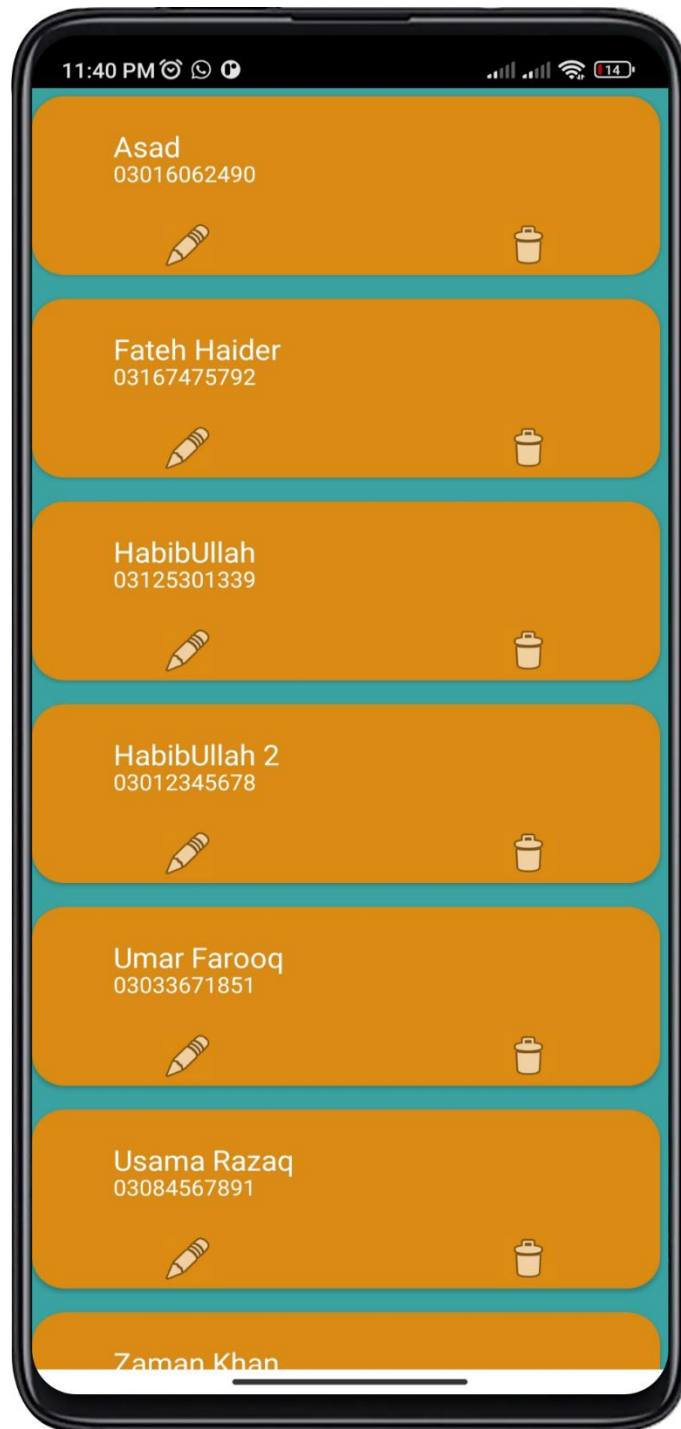
Note: I have clicked on my very first contact number where the name is “Asad Jam”.



After getting this window, I will update the name and contact number. Screenshot is given below:



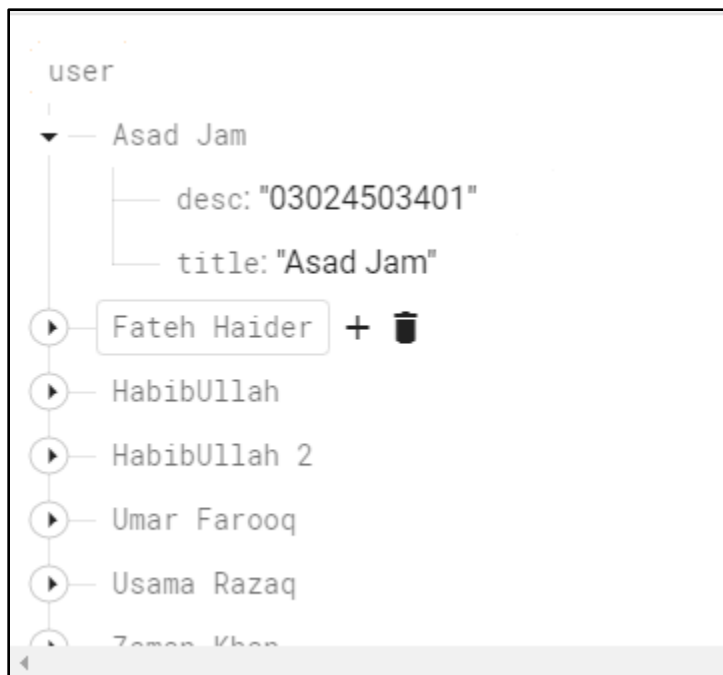
Now when I will click on the “Update Contact” button, I will come back to my previous activity and the values will be updated. Screenshot is attached below:



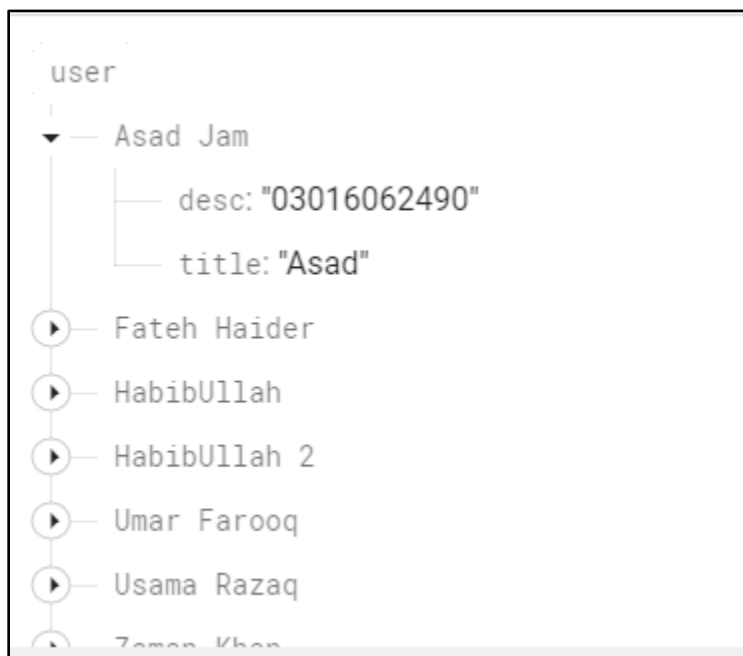
Here we can clearly see that the name has been changed from “Asad Jam” to “Asad” and contact number is also has been changed from “03024503401” to “03016062490”.

I am also attaching the screenshots of firebase before updating and after updating:

Before Updating:

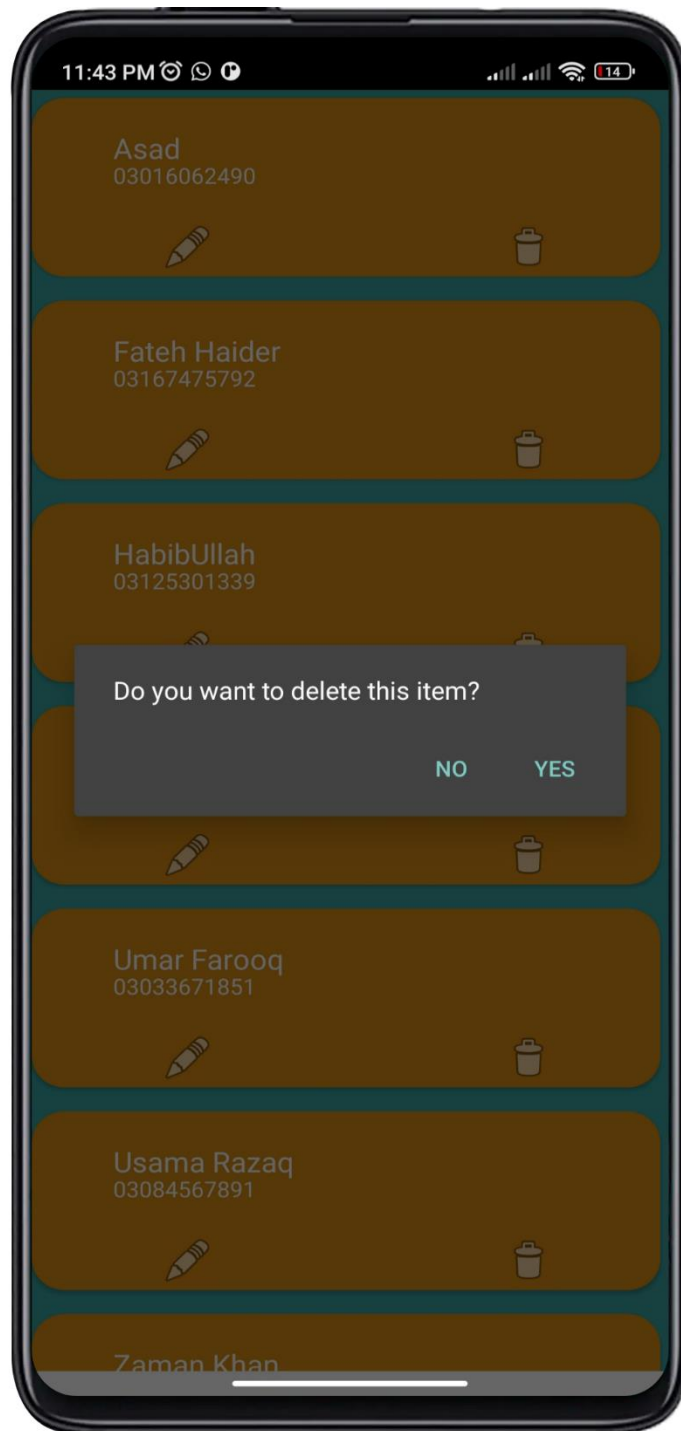


After Updating:

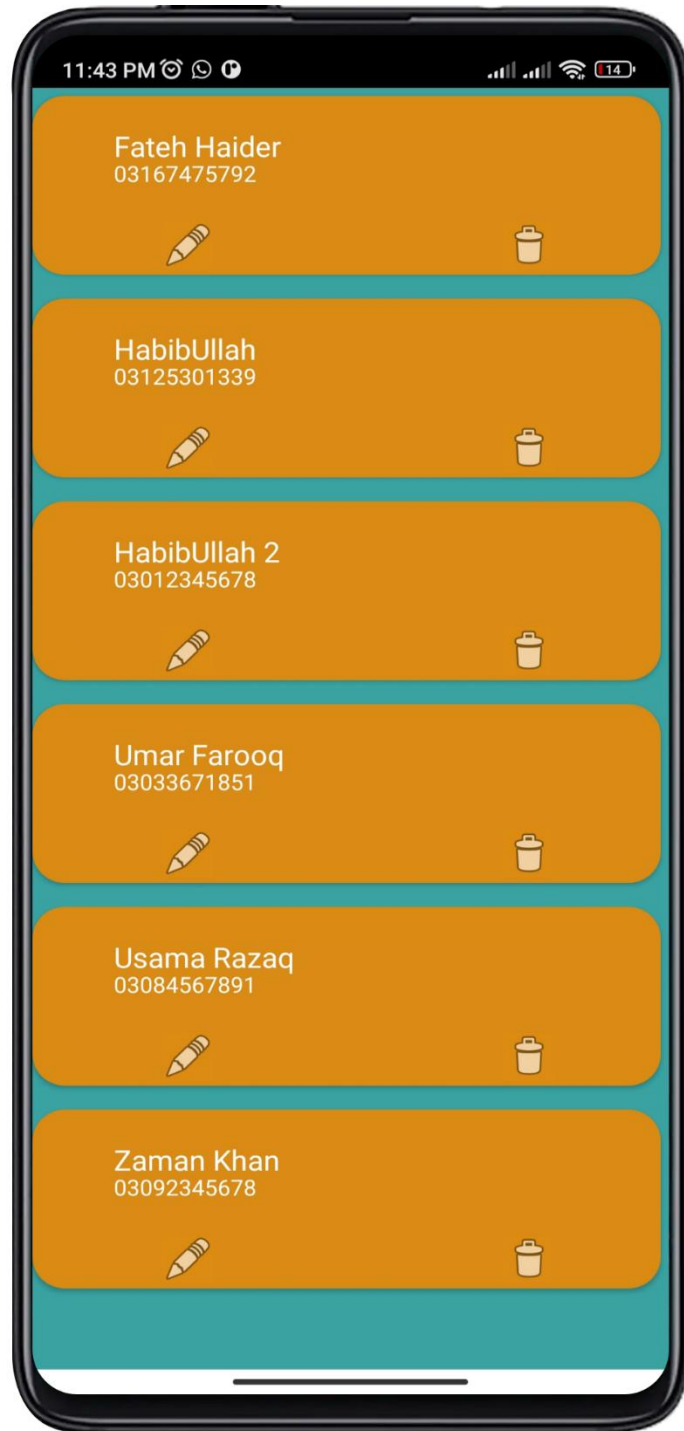


Now the last thing is to delete the contact. The user can click on delete icon placed under every contact number.

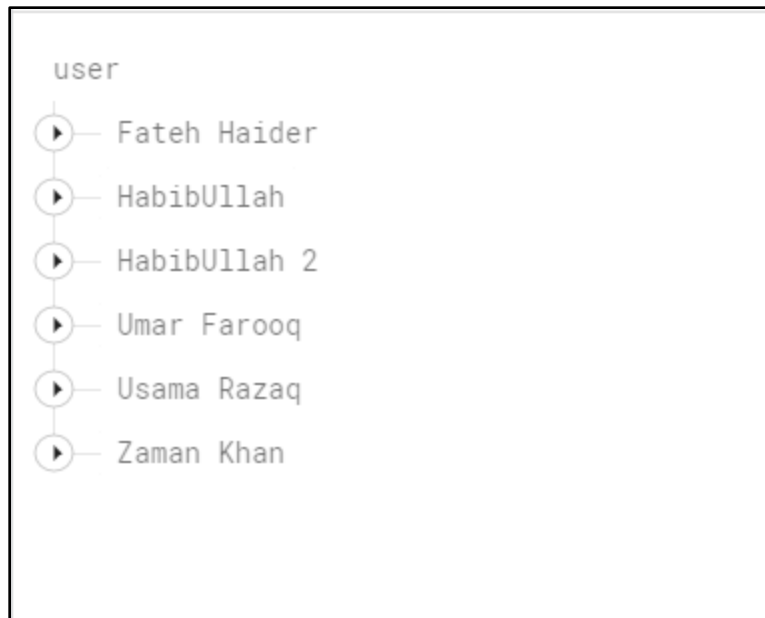
Note: I am deleting the first contact where the name is “Asad”.



When user will click on the delete icon, a popup will appear to confirm the deletion process. If the user press yes, the contact will be deleted from both the recycler view and fire base.



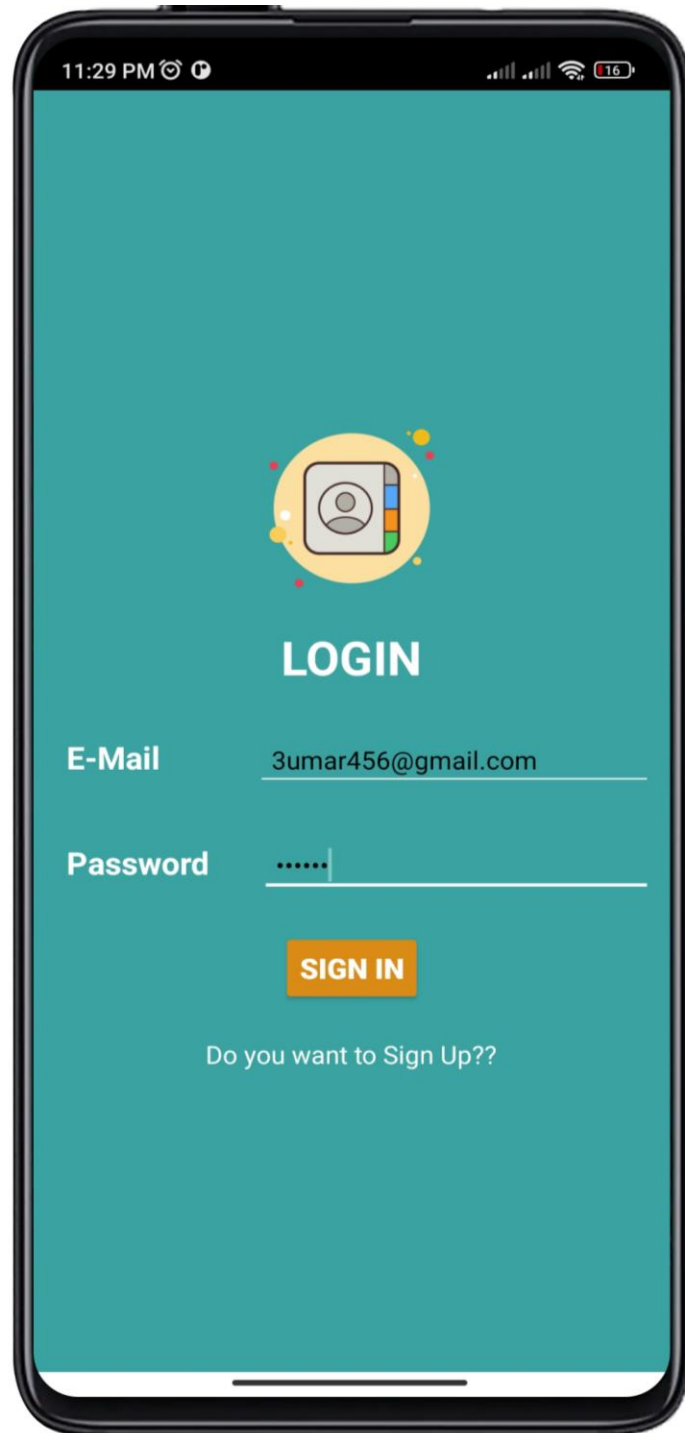
You can see that the “Asad” named contact has been deleted from the recycler view. Let me show the screenshot of firebase also after deleting this contact:



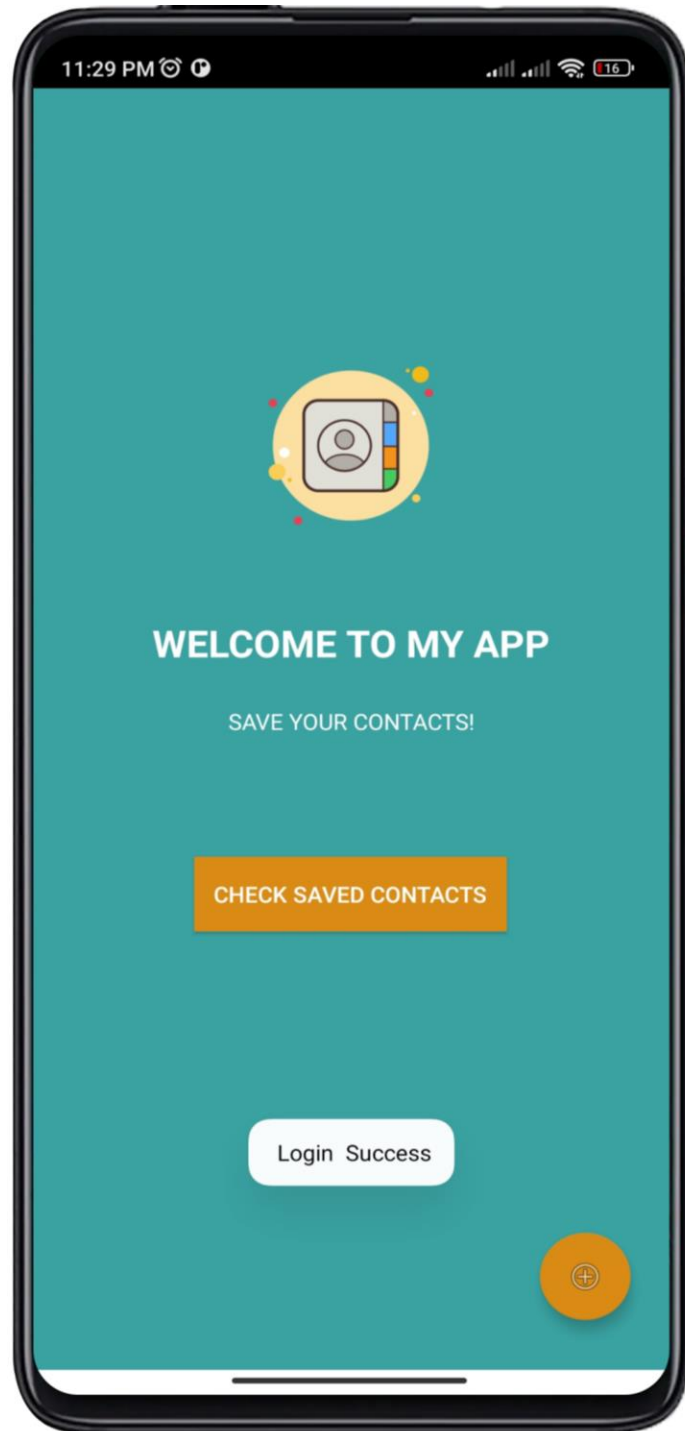
You can see that the “Asad” Named data has also been deleted from the firebase.

Login:

Now if this user again come to our application after some time, he will just login and he will be able to see his contacts. He will just put his email and password in the login activity and will press login to come into the application. Screenshot is given below:



Here he put his name and password. And when he will hit Sign In button, he will be able to access his data. After pressing login, the following window will come up:



There will be a toast message “Login Successfully”. Now he is able to access his contact list.

After this all the steps are same as shown above.

(I am attaching the Android Studio File along with the word file in the assignment section on teams.)

