GROUP-14

PROJECT TITLE:

Pinfo

DESCRIPTION:

This application provides a platform that gives access to information which is relevant to your location.

The application is build on the concept of geotagged messages.

This application provide users:

-drop messages for users location.

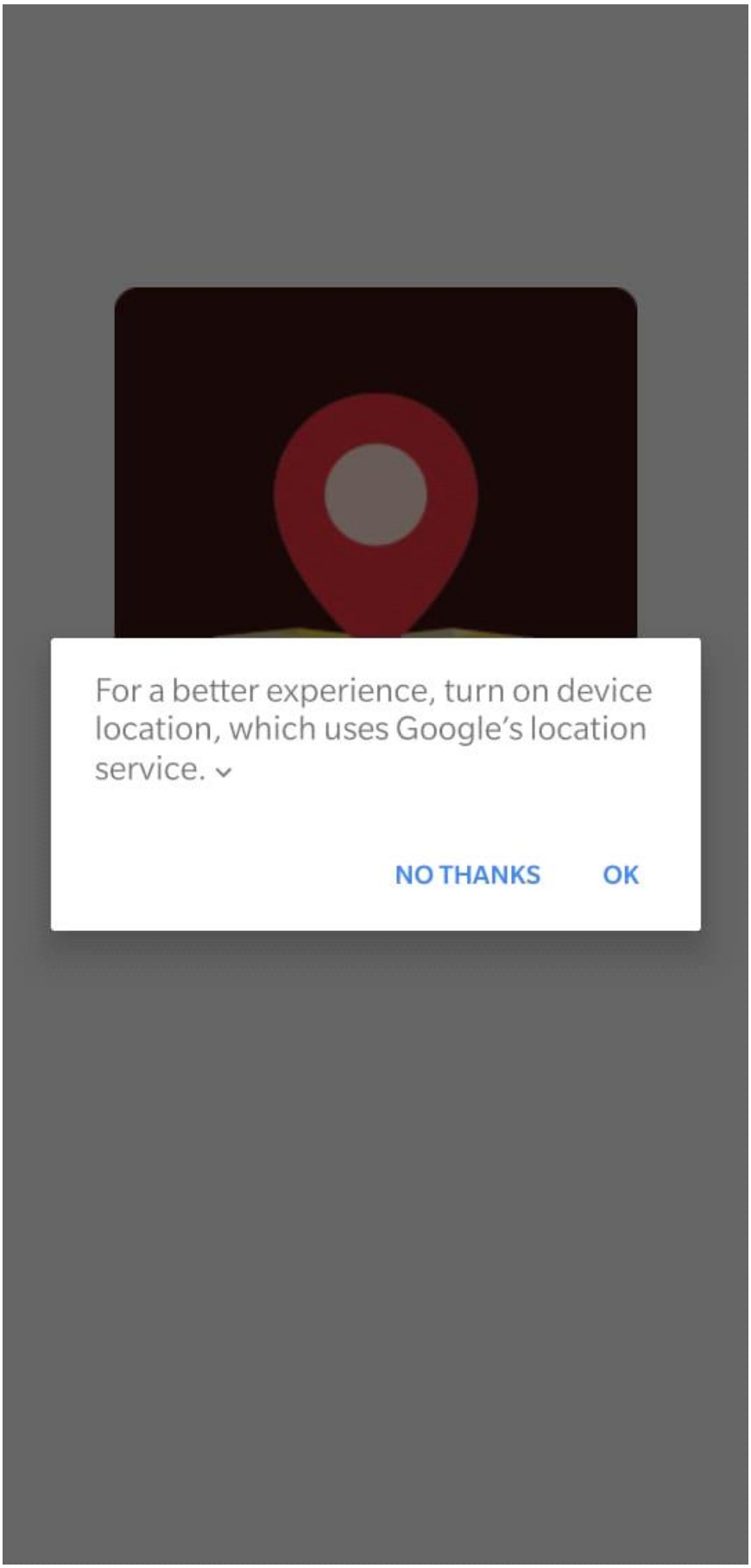
-share users local events.

-post and reply to local queries.

-seek help from locals.

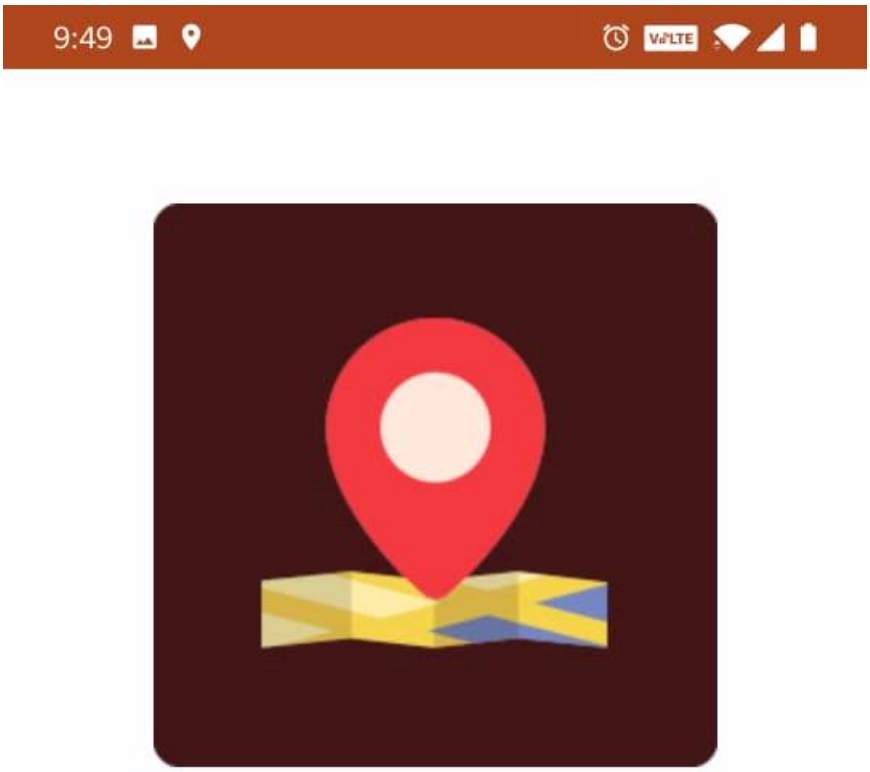
VISUALS:

1.GPS location permission


For a better experience, turn on device location, which uses Google's location service.
NO THANKS
OK

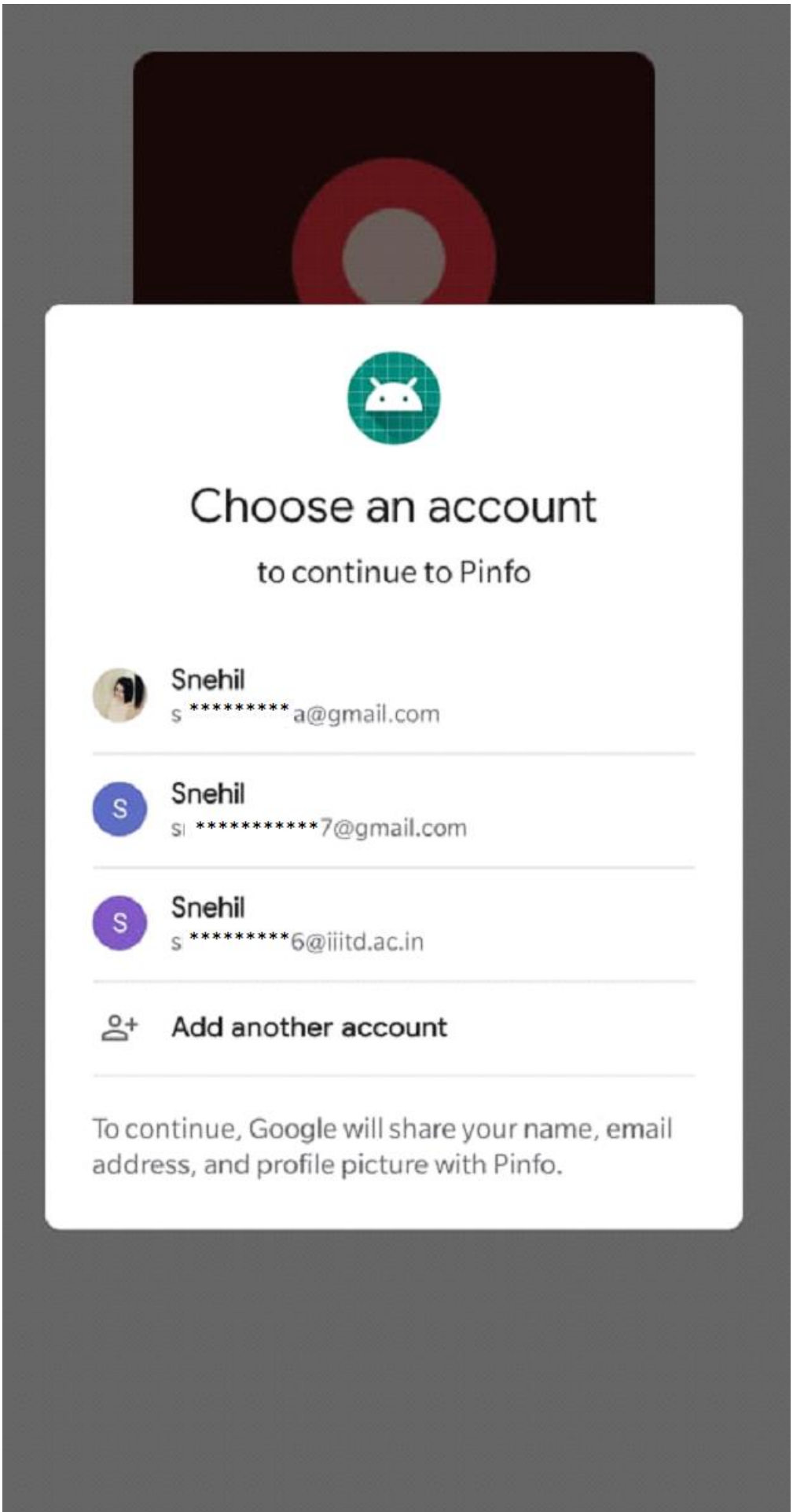
2.splash screen:

3.sign-in page

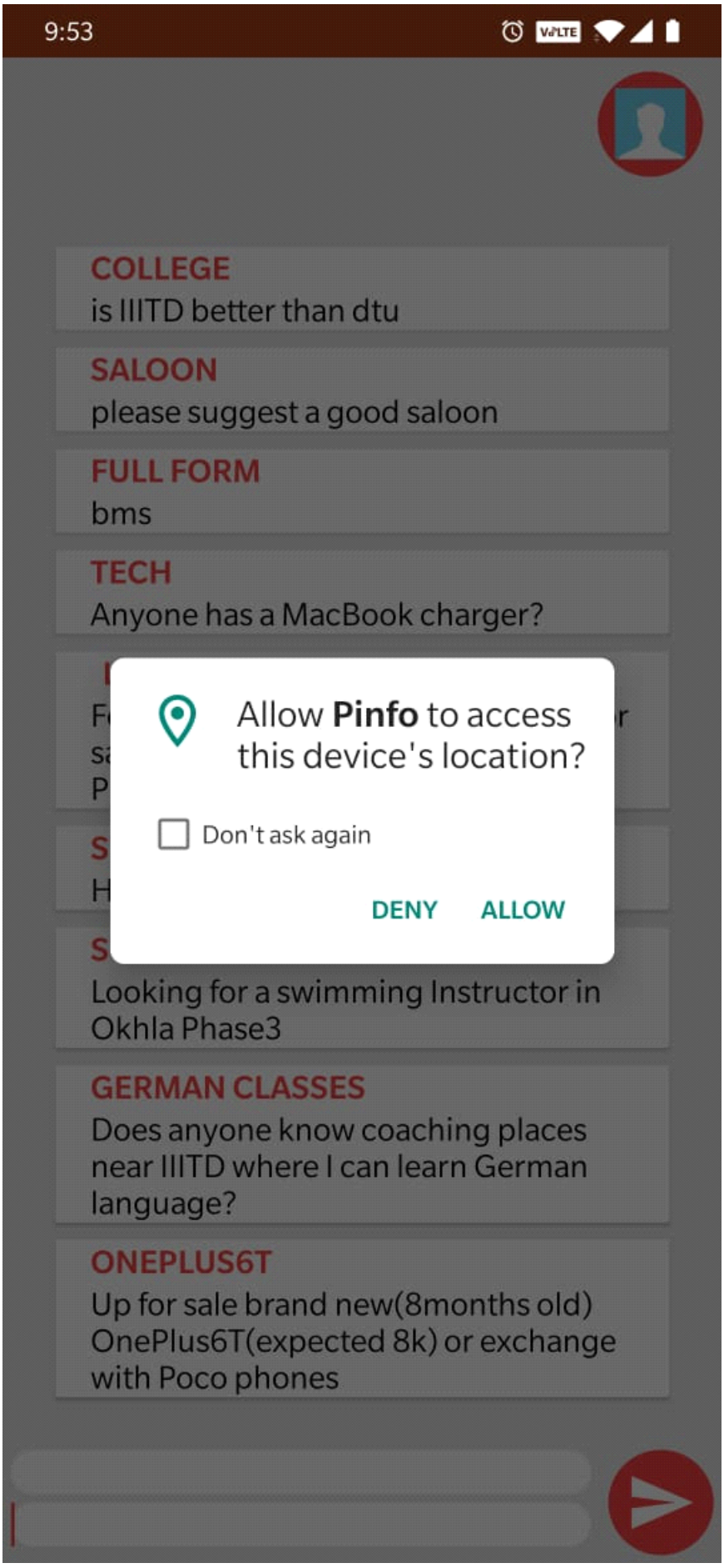


Sign in

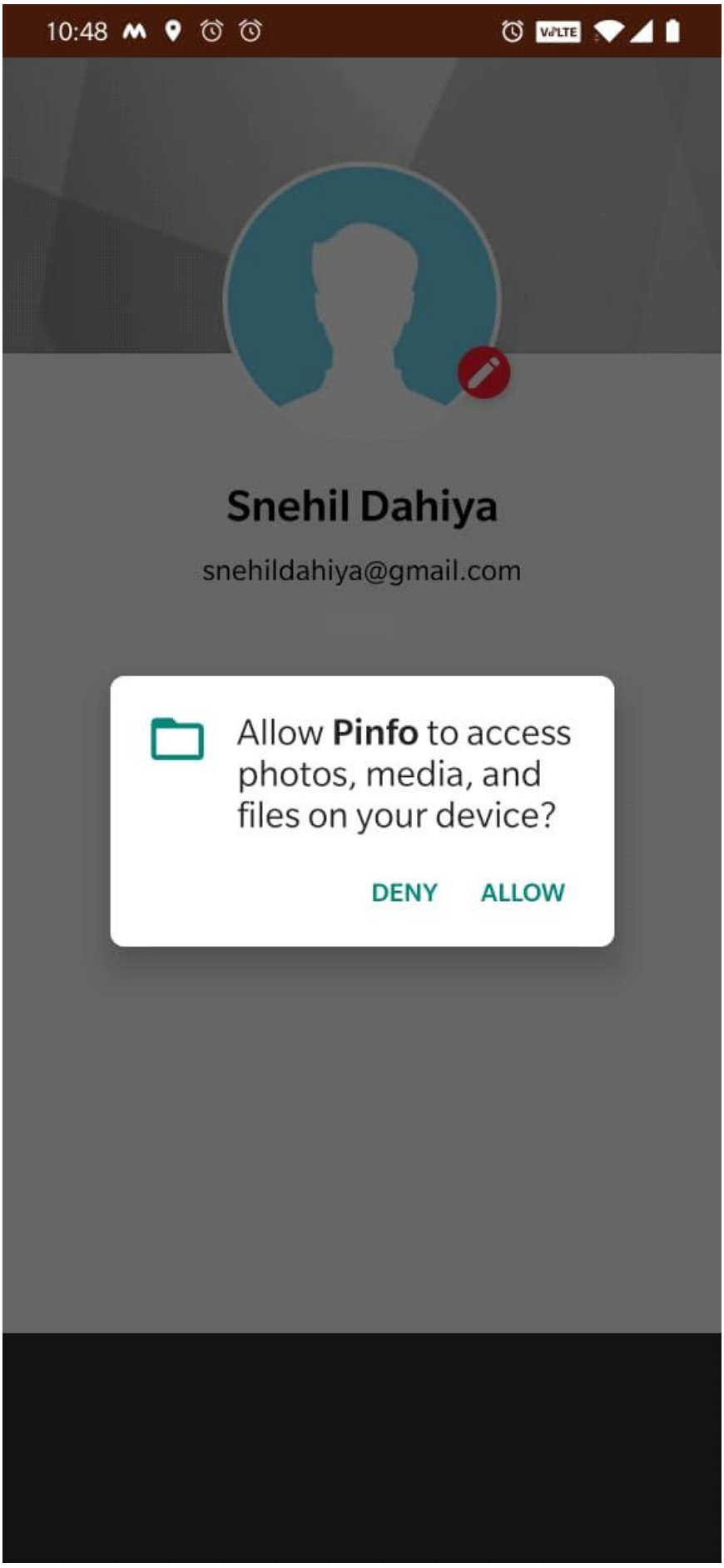
4.account options


Choose an account
to continue to Pinfo
Snehil
s *********a@gmail.com
S
Snehil
s **********7@gmail.com
S
Snehil
s *********6@iiitd.ac.in
Add another account
To continue, Google will share your name, email address, and profile picture with Pinfo.

5.view of post page with permission of locatio if location permission is not allowed.


9:53
COLLEGE
is IIITD better than dtu
SALOON
please suggest a good saloon
FULL FORM
bms
TECH
Anyone has a MacBook charger?
Allow Pinfo to access this device's location?
Don't ask again
DENY
ALLOW
Looking for a swimming Instructor in Okhla Phase3
GERMAN CLASSES
Does anyone know coaching places near IIITD where I can learn German language?
ONEPLUS6T
Up for sale brand new(8months old) OnePlus6T(expected 8k) or exchange with Poco phones

6.Gallery permission:


10:48
Snehil Dahiya
snehildahiya@gmail.com
Allow Pinfo to access photos, media, and files on your device?
DENY
ALLOW

INSTALLATION:

1.LOAD:

load the project(Pinfo) in android studio.

2.CONFIGURE:

To configure pinfo project, click the link below and specify apps package name when prompted.

SHA-1 hash of users signing certificate is to be provided.

https://developers.google.com/identity/sign-in/android/start-integrating.

3.RUN:

Run the application.

USAGE:

If a person wants to know whats happening near him/her or to turn neighbhors into a friend,this application server the purpose well as:

- where to get the best coffee?
- which mall to shop?
- whose up for the badminton match?
- need some reapairs ,where to go?

Concept:

Geotagging:

-This app is using geotagging to track the location of the users.

-This allows users to augument their post and updates with their current location such that the users only in that vicinity can communicate.

WORKING:

step1: When the application is launched, a splash screen showing the icon of the applications appears. *Along with this a dialog for GPS and location permission will appear*.

step2: After few seconds,the google sign-in page appears if you are logging in for the first time

step3: After authenticate google sign-in, you will be redirected to page containing posts of your location.

step4: On selecting a post users can intreact with the contents of that post, that is any user in the vicinity where query is posted can reply.

step5: On clicking the profile image icon on the top right of the screen you will be redirected to:

-Profile page provide following featues:

-update profile image from gallary after granting permission.

-displaying signedin users details

-google signout button.

DATABASE:

database is created over firestore.

There are 2 type of documents in database: AllPosts and Users.

Data are stored in the form of list and containers.

-AllPosts and Users are stored in CONTAINERS.

1.Users:

Users contain:

-firebase ID

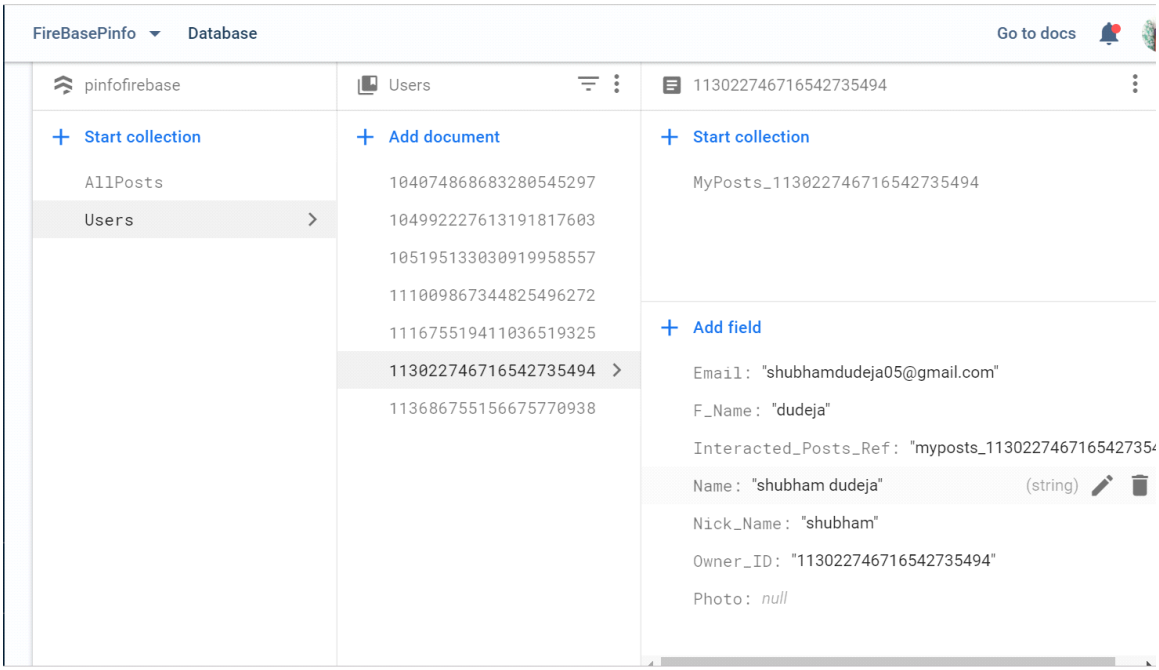
-Username

-Email ID

-Owner ID

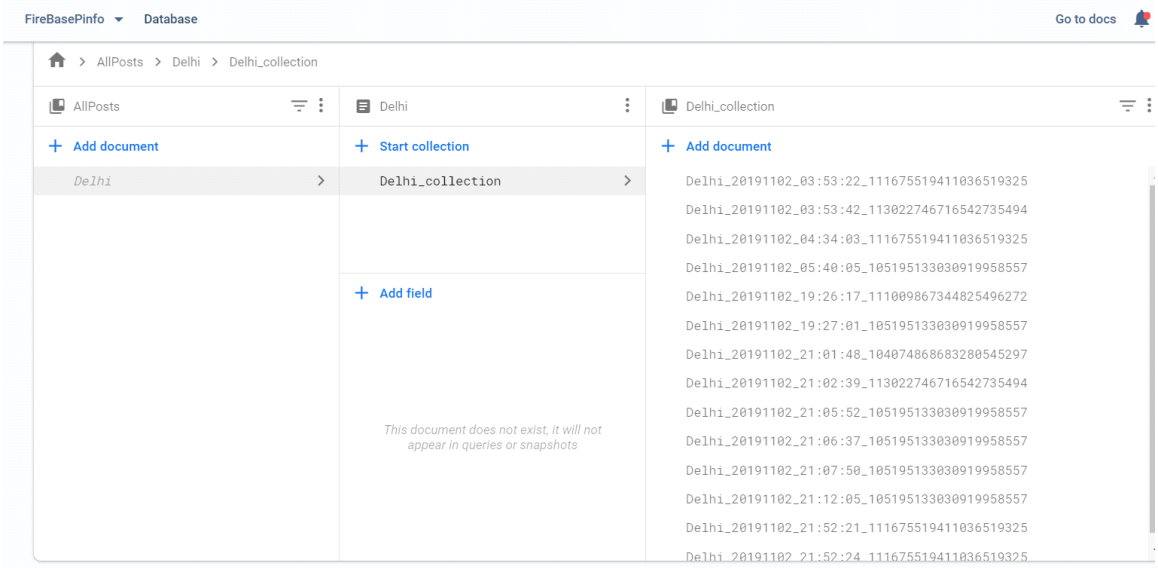
-Photo

-Intreacted_Posts_Ref



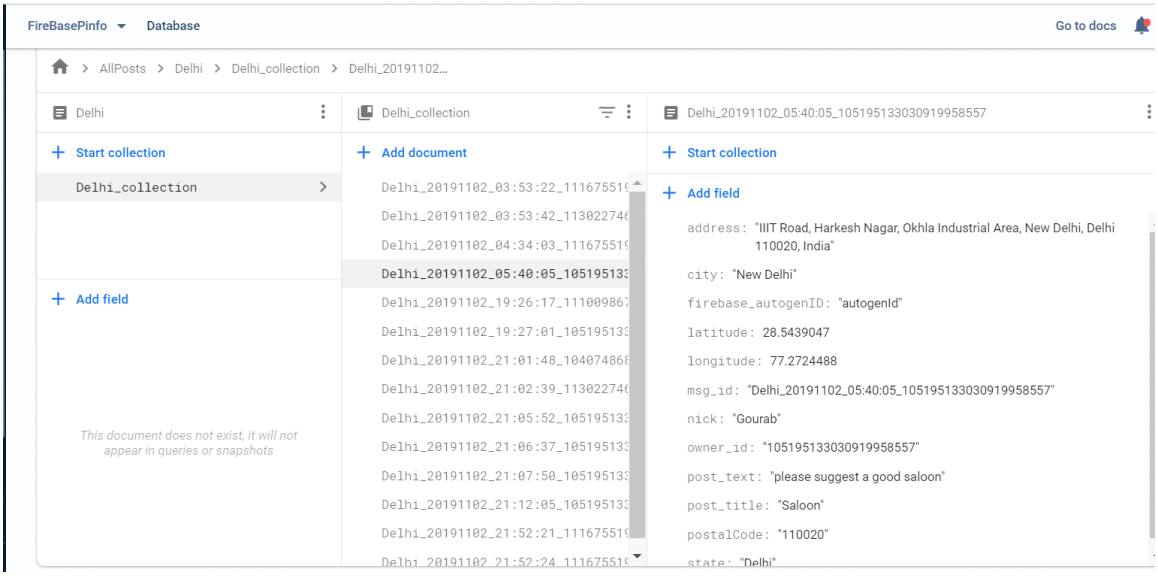
2.AllPosts:

AllPosts contains all the details of the AllPosts. This database is subdivided into subcollections locationwise. Now all the posts which belong to a specific(same) location will be stored under same subcollections.



3. <u>AllPosts subcollection:</u>

Now inside a particualar subcollection, the subcollection will consist of all the post from a particular loaction in document format.Now each document contains details of the particualr posts.As shown below;



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