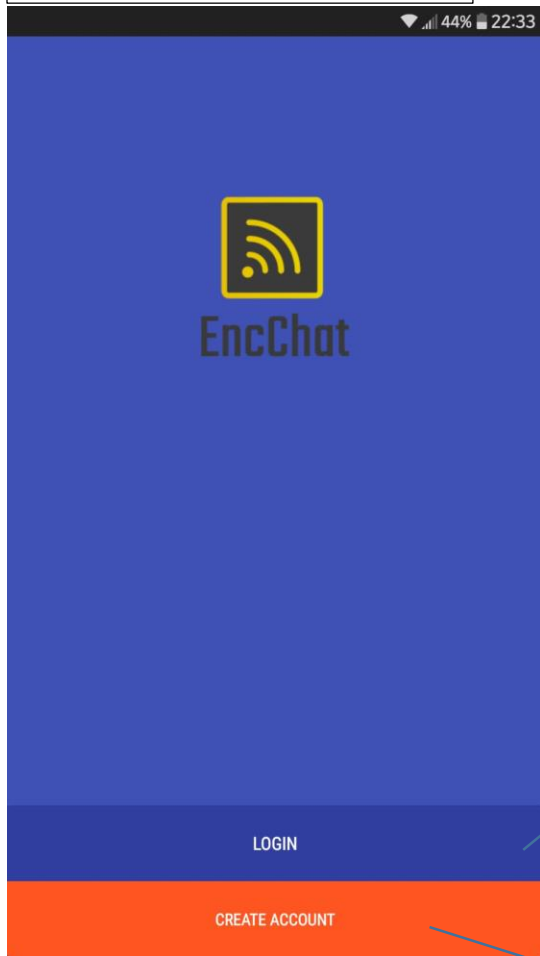


EncChat is an encrypted messaging app using RSA cryptosystem and compression of uploaded pictures.

Firestore is used for the following:

- 1. Authentication.**
- 2. Storage (pictures).**
- 3. Realtime Database (messages(encrypted), users etc).**
- 4. Functions (notifications received and sent between users).**

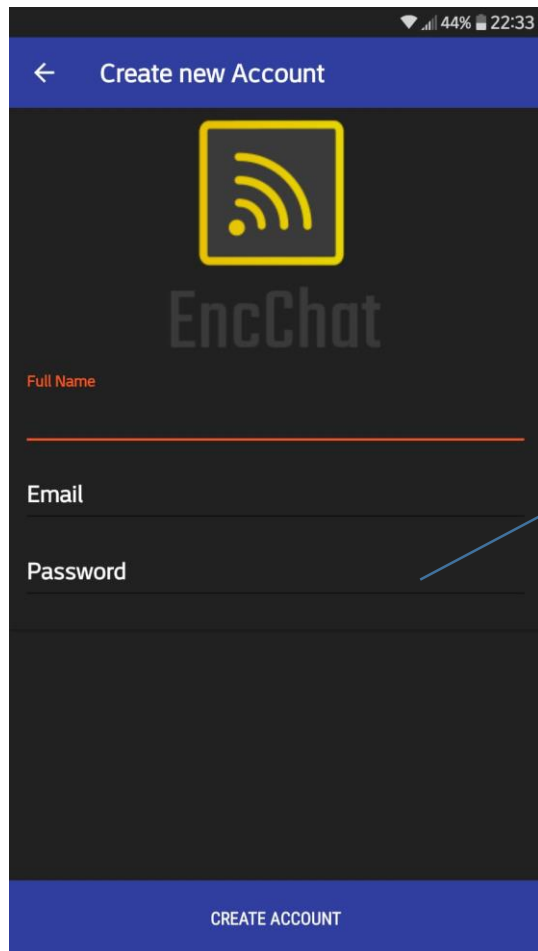
Starting tab.



Login button – input user info that was used to register with.

Register button – create an account using email.

Create new account tab



← Create new Account

EncChat

Full Name

Email

Password


CREATE ACCOUNT

To create a new account, insert a name, your email you want to be associated with this app and a password, click the "CREATE ACCOUNT" at the bottom of the page to submit your info.

Login tab

43% 22:34

← Login



EncChat

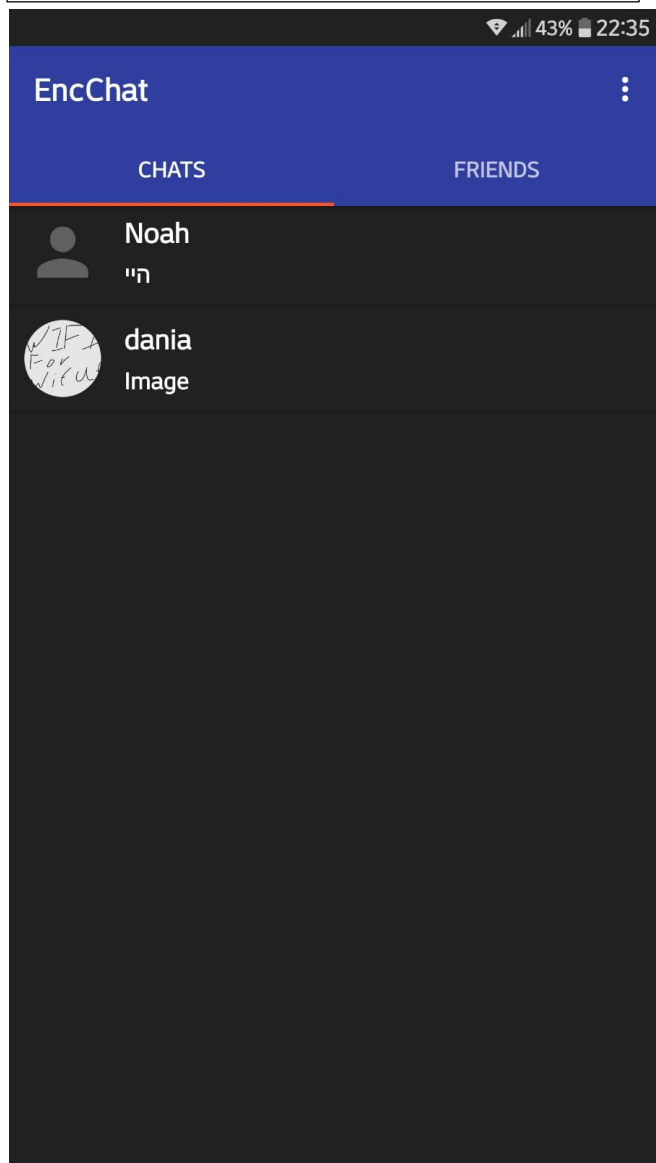
Email

Password

LOGIN

Using the submitted email and password in the correct text boxes, pressing login with log you into your account.

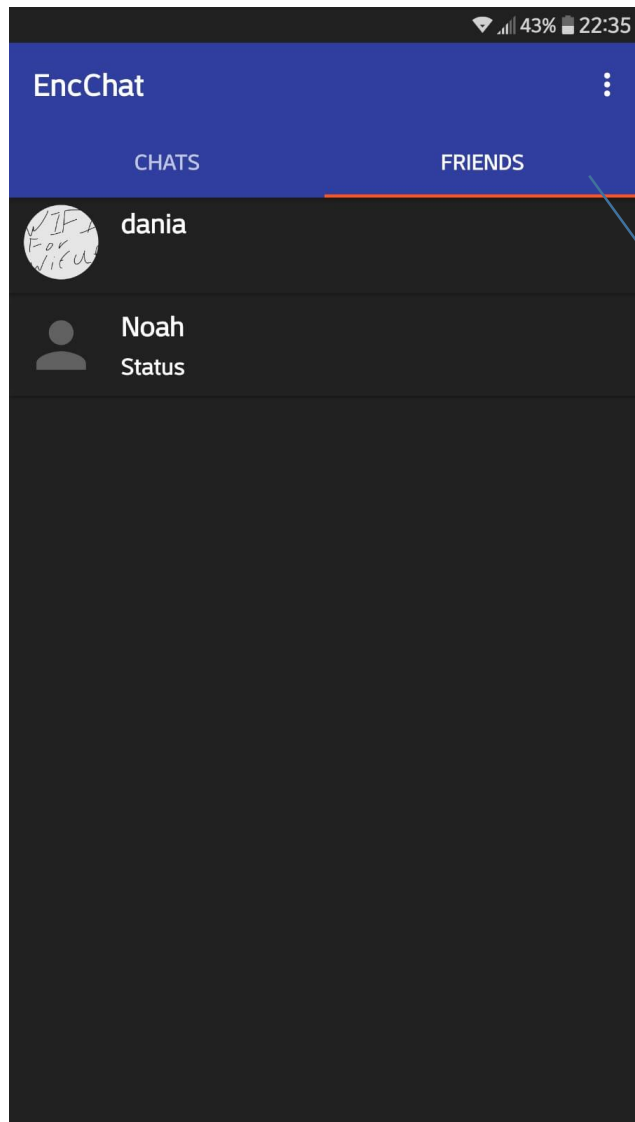
Main page of the app



1.This is the main menu with two tabs, one for current and past chats the other for your friends list, currently online users will have a blue circle next to their names.

2.Under the user's name will be the last message sent in that chatroom.

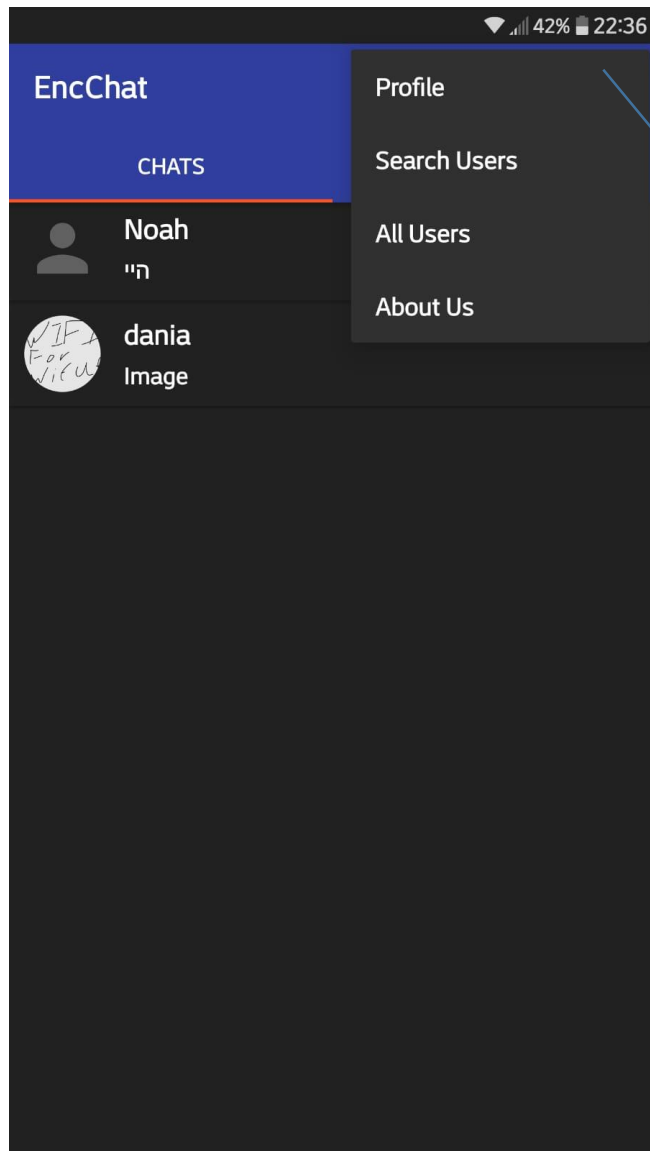
Friends tab



Current user's friend list,
includes status written by
friends.

All users can be tapped to pick
whether to see their profile or
to open a chat tab.

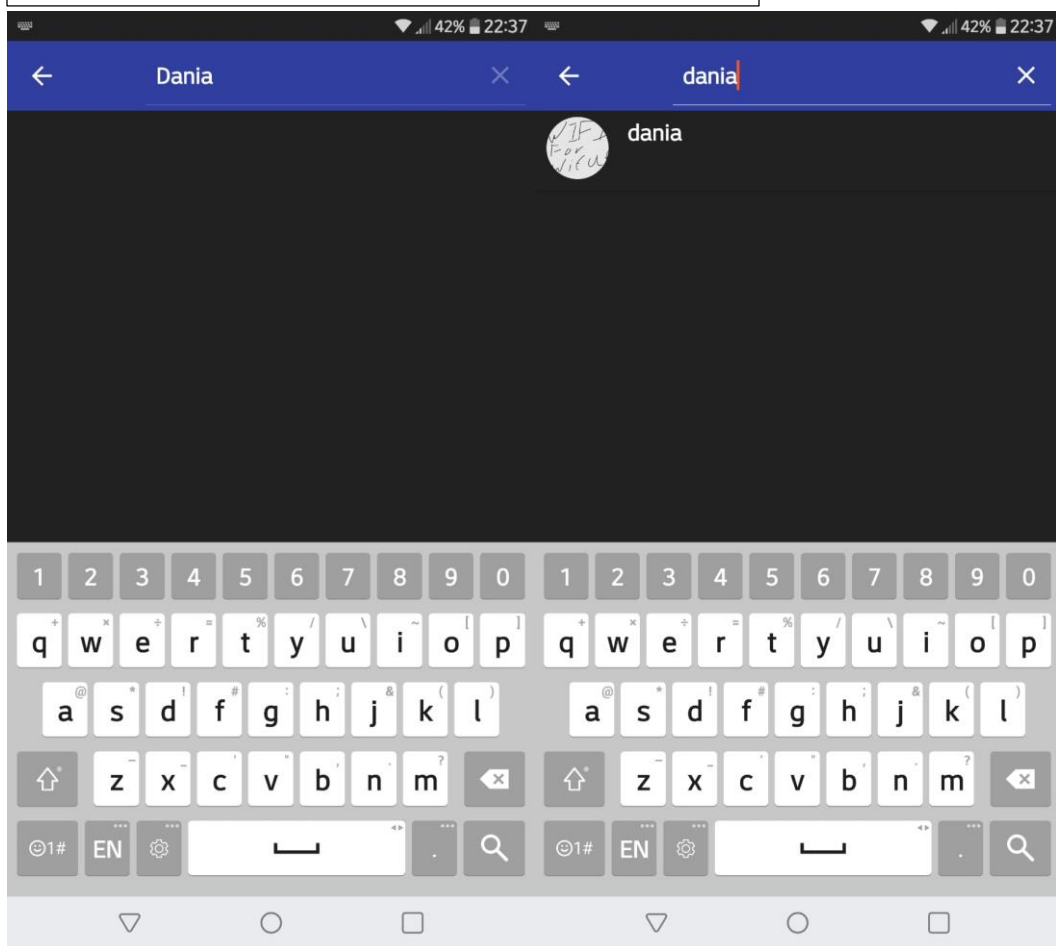
Three dots at the upper right corner



4 option:

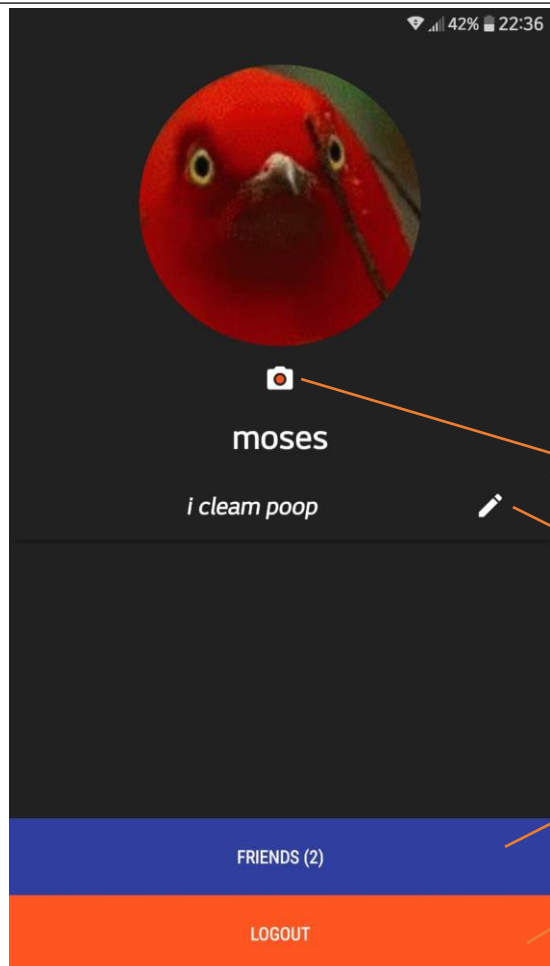
1. Current user's profile.
2. Search other registered users.
3. See all registered users.
4. about us tab.

Search users



Note while searching for users that the search is case sensitive so be sure to put names correctly.

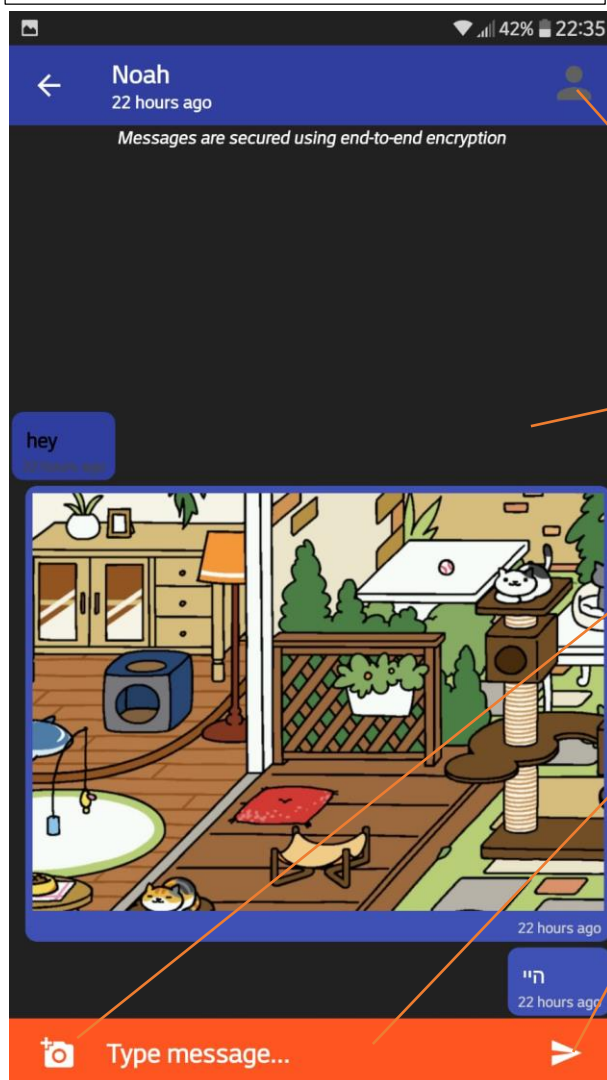
User profile



Current user's profile options –

1. Clicking on the small camera will take you to your phone's gallery/camera, there you can pick your profile picture.
2. Change your current status.
3. Shows number of friends, click to see said friend's profiles.
4. Logout button to logout from current users account.

Chat room interface



1. Clickable profile picture of friend
2. Sent/received messages.
3. Send a picture
4. Send button
5. Text box

Side notes:

- chats can be cleared by pressing and holding in the main chats tab.

If users aren't online when you message them, they will receive notification from you.

-Joke generator was added on the user's personal profile.

-index used for function firebase deployment is added into the project (named indexFunction).

the index is a javascript used for pushing notifications from user to user.