Abstract

- Nowadays we came across many apps like WhatsApp, Hike, Messenger in all these apps even after registering into those apps using phone number or email id, we have to add him in our account by sending him friend request or by adding his number to chat with him which is somewhat time taking process but we tend to develop a messaging app where if you register in that app then you can chat with anyone who is registered to that app. Using this app our time is saved and the implementation also becomes easy.

Modules

- There are 4 modules in our project and they are :

  - Login module

  - Register module

  - User Listing module

  - Chat module

Login Module

- This module contains two textboxes and two buttons and here when you open app for the first time after downloading this page will be opened. Here you n click on the bottom most button to register if you have not yet registered and have already registered by any means then you just need to type your valid em and password to login to your account. Here when you type the required deta and click login button then this app will fetch your details in firebase server a will redirect you to user listing module if your authentication details are match the database and if they are not match it will display a message denoting that details are not added to the database.

Register Module

- This module consists two text boxes and one register button. Here when you are new to this app then you need to come to this module for registering this app which will let you to chat with other people who are already registered into this app. After typing all the valid details like email and password you need to click register button which will add you into the firebase database.

User Listing Module

- This module consists of recycler view which displays all the registered in a sequential manner and menu bar which consists of logout option w will let you to sign out from this app.

- Here when this module is opened all the registered users will be displayed and by clicking any user's email id you will be redirected to Chat Module which will let you to chat with that person.

Chat Module

- This module consists of a text box and empty space which displays you and the text box allows you to type a message which you want to send your chosen friend.

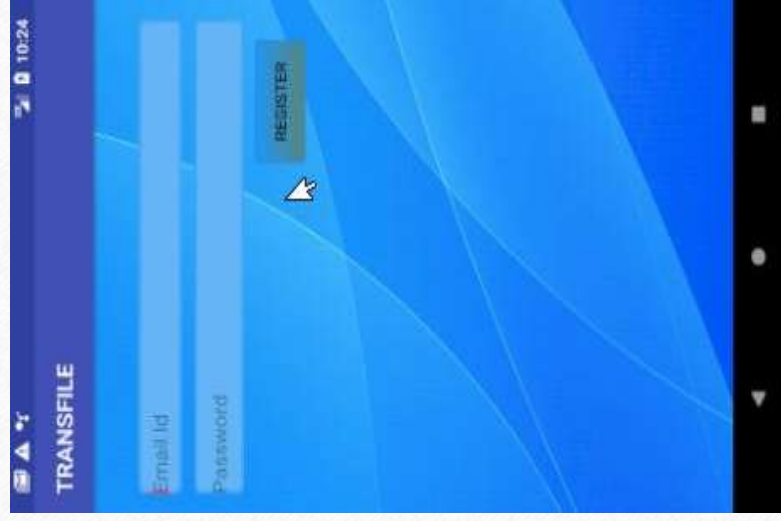# User Interface Screenshots

Splash Activity

- When you open the app, this window pops up for 2 secs and re
Login Activity

Login Activity

- It contains two text fields to enter email and password of the clicking Login Button if the user is already registered it will window where registered users are visible otherwise a messa displayed in which it tells us to enter a valid username and p Then to register into this app the user has to click "NEW U HERE TO REGISTER" button which will redirect to regist

Register Activity

- It shows two text fields to enter a valid email and password. [B]y Register Button it will add the user to the firebase database th[at] redirect to a window where registered users are visible.

User Listing Activity

- It shows the registered users and logout option. By clicking the email with whom you want to chat it redirects to a window where we can chat with that user and when we click logout option it redirects to Login Activity.
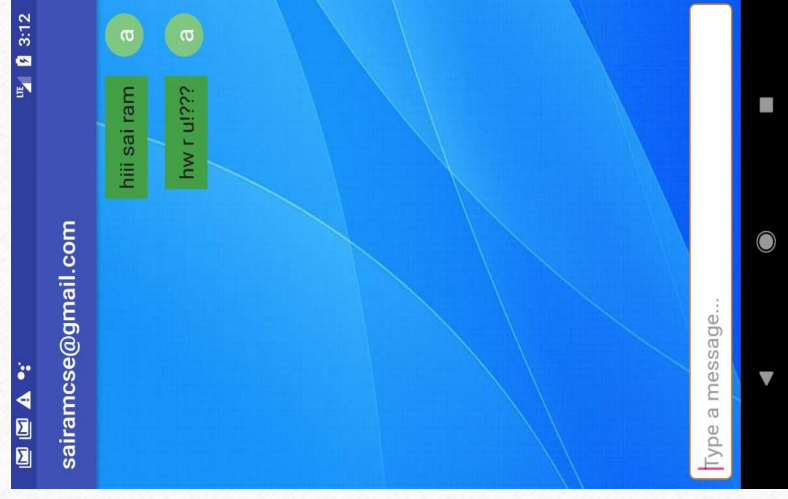
Chat Activity

- It shows a text box in which we can enter the message that you send to your chosen user. If the message is sent then it display "message sent" and when the receiver receives the message it toast of "message received".
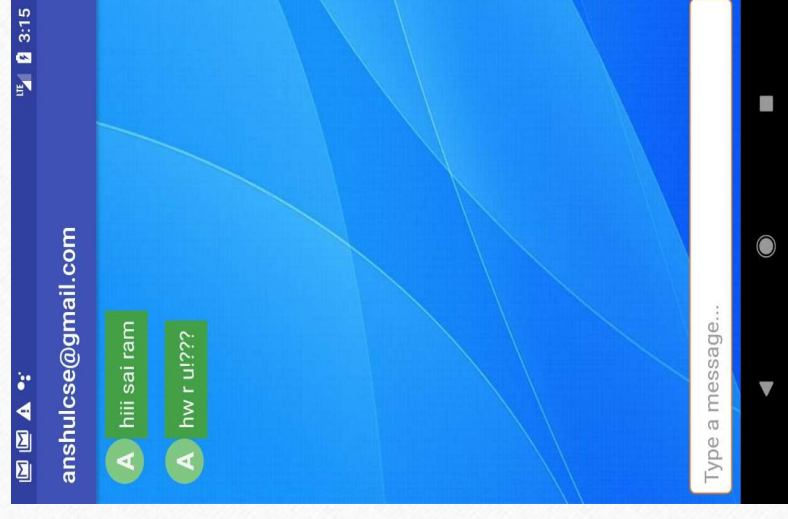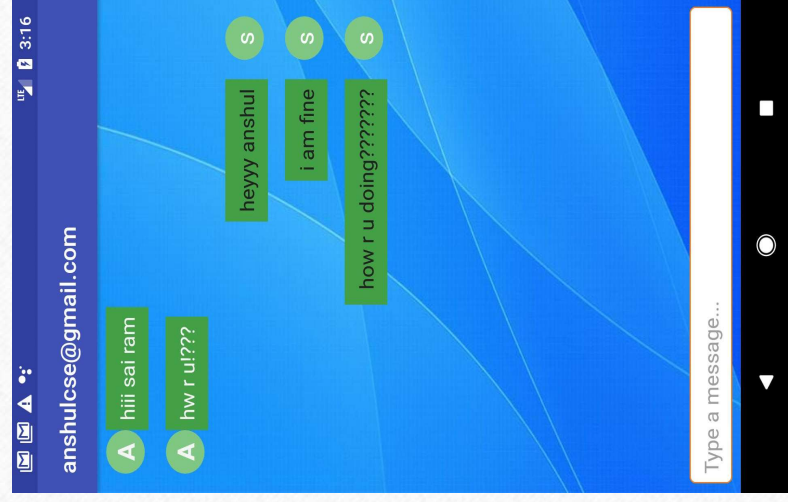
Testing

Input 1

sairamcse@gmail.com

hiii sai ram

hw r u!???

Type a message....

Output 1

anshulcse@gmail.com

hiii sai ram

hw r u!???

Type a message....

- Anshul sent message to Sairam

- Sairam received message

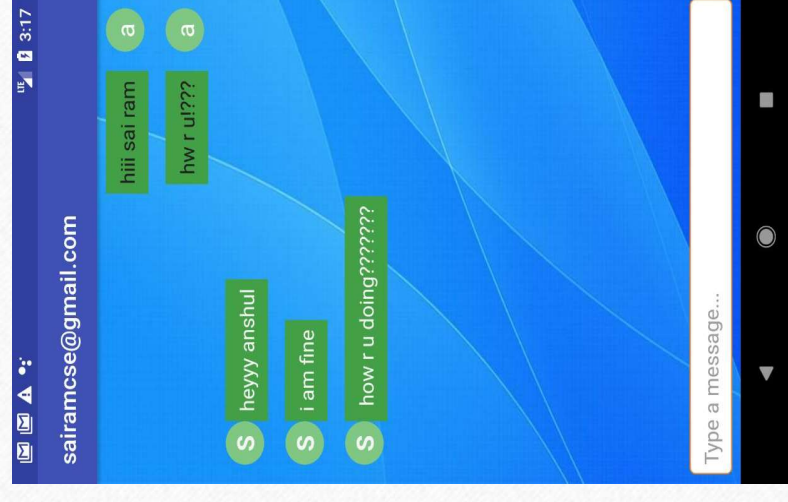## Input 2

- Sairam replied to Anshul

Output 2

- Anshul rece... from Sairan...