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ChatHub

Description

 An app will be designed for chatting between people which provides Communication with friends instantly

Intended User

The app is intended to be used by anybody want to connect with his friends.

Features

- Searching for user
- Creating profile page contain (profile picture, username ,age,…etc)
- Ability to delete an conversation or specific message
- Creating list of favorite users
- Creating a widget contain a specific conversation in a list with a specific user
- Create adaptive design for tablets

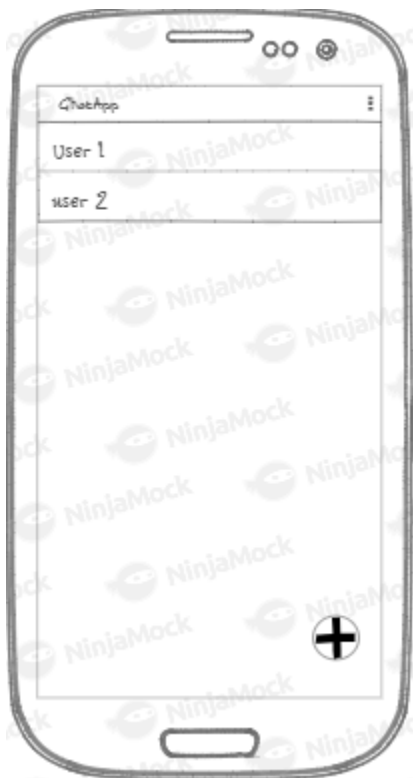# User Interface Mocks

Splash screen

The first screen which displayed to the user and it contains app logo

Sign up and login Screens

Sign up screen allows users to create new account to chat with other

And login screen uses to login to the app

Main Screen

It is displaying the current conversation with users
In the bottom there is Floating Action Bar which allows me to add more users to main
page

Conversation screen

It displays the conversation between you and the other user

Search Screen

It allows searching for users

Widget

Friend`s Name

How are you?

I am fine thanks

Good

The widget will display a conversation from specific user

Profile Page

It display user information such as username, email and age

Favorite list screen

It contains list of user who marked as favorite

Key Considerations

How will your app handle data persistence?

 The app will retrieve and store data using firebase, also using SQLite and content provider for some offline data also SharedPreferences on small data

Describe any edge or corner cases in the UX.

 Main page contain floating action bar when hit it ,new activity appear contain search box

Describe any libraries you'll be using and share your reasoning for including them.

- Picasso to load mages
- Butter Knife, for views binding
- Firebase: Real-time database ,Authentication and Cloud Storage
- Volley: For managing api requests.

Describe how you will implement Google Play Services or other external services.

Application will use Real-time database, Authentication and Cloud Storage which are dependent
On Google play services
And also will use admob to display ads.

Next Steps: Required Tasks

Task 1: Project Setup

- Create project and repository associated with it
- configure libraries
- create project on firebase and connect it with the app

Task 2: Implement UI for Each Activity and Fragment

- Create Activities and fragments and associated layouts
- Create adapters and models
- Implement main function in fragment and activities

Task 3: Implement Firebase Services

- Implement Real-time database and Authentication services
- Use Cloud storage service to save profile pictures
- Use admob to display ads

Task 4: Create database
- Create database to save user info
- Create content provider to load data

Task 5: Enhance app design

Try to meet Material Design specification.in the app