

Chatting App

Description

This is a Group chat Application, allow users who authenticated by Email or Google account talk to others in real time .

Intended User

For all people who use social media.

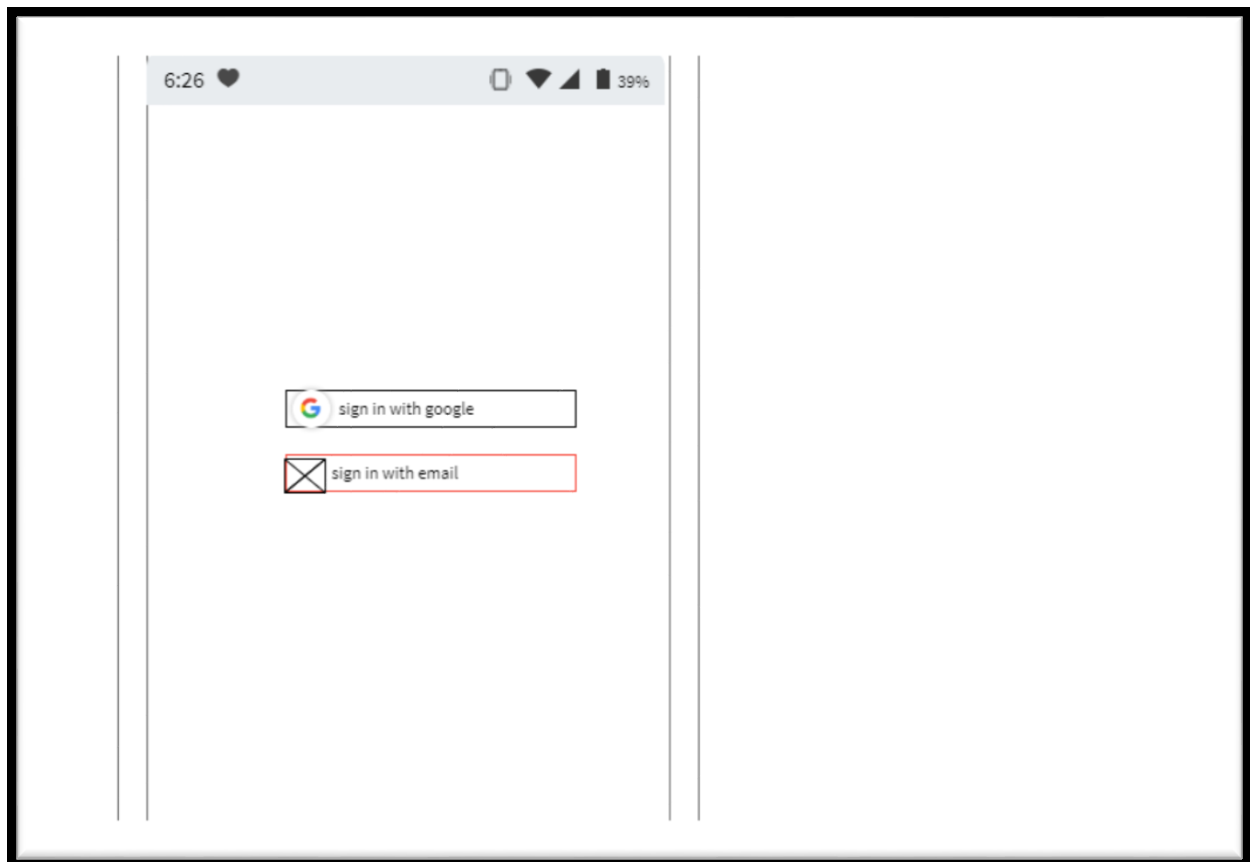
Features

- Send message
- Send images

User Interface Mocks

Screen 1:

You can authenticate with Google account or Email



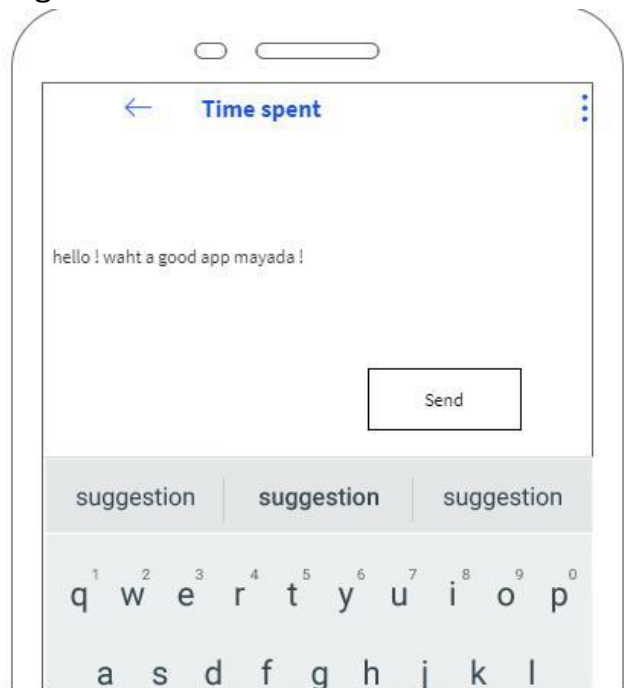
Screen 2 :

If you sign in with email you enter email

A mobile app registration screen. At the top, a status bar shows the time 6:26, a heart icon, and battery level 39%. Below the status bar, there are three input fields: 'Email' with the value 'mayada.abdeen234@gmail.com', 'first and last name' with the value 'may', and 'password' with the value '1243455'. A 'Save' button is located at the bottom right. The screen is framed by a thick black border.

Screen 3 :

Chatting Room



Screen 4 :

This screen for widget when you click on it , you go to Group chat



Key Considerations

How will your app handle data persistence?

The app will use Firebase Real time database to persist all the data.

The app Widget will use Intent Service to retrieve data from Firebase database.(New according the last review).

Describe any edge or corner cases in the UX.

In the first screen If the user has account on Gmail he pressed on the sign in with Google.

If he want to sign in with email , he pressed sign in with email . After that , he move to screen ,

he enter his e_mail, then he moves to screen enter his first and last name and enters

password . Then, he moves to chatting room he can send messages and images.

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

Firebase for real time storing , design , glide

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

Firebase realtime database

Firebase messaging

Firebase Authentication

Firebase Storage

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1: Project Setup

- Create Firebase Project on console connected with Group Chat app in android studio.
- Add the required dependencies.

Task 2: UI Implement for Each Activity and Fragment

- Build UI for Main activity.

Task 3: Create Model of Message

- Create model class called Group Message.

Task 4: Create Adapter

- Create adapter class that is called Message Adapter to fill the List view with message .

Task 5: make the method for send button

- Make the button Listener when the user write message and send it into database.

Task 6:

- Use Firebase Authentication for enable users have account to sign in or sign up