

How to Use this Template

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Sense

Description

Sense will make users connect to each other in real time chat application

Intended User

For everyone who have friends or family to communicate with them in text chat way

Features

- Send Messages
- Accept or refuse friends requests
- Find other people that use application and add them to friend requests

User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

Login Screen (First Screen Launched)



The first screen in app user can login with username and password that he is created , or even by twitter , gmail or facebook

Register Screen

The image is a hand-drawn sketch of a mobile phone screen. At the top of the screen, there is a status bar with a battery icon and two signal strength indicators. Below the status bar, the screen displays a registration form titled "SIGN UP" in a large, bold, sans-serif font. The form consists of four input fields, each with a label to its left: "Name", "Email", "Password", and "Confirm Password". Each input field is represented by a horizontal line. Below the input fields, there is a rectangular button labeled "SIGN UP". At the bottom of the form, there is a line of text that reads "Already have account ? [Login here](#)". The entire screen is enclosed in a rounded rectangular border, representing the phone's frame. There is a small notch at the bottom center of the frame, representing the home button or a similar UI element. The background of the screen is light gray, and there are faint, repeating watermarks of a cartoon character and the text "NinjaMock" across the screen.

Here user can register an account just by add email and password and his name

Main Screen



Here is a list of friends that he can contact with them , and tap layout for navigation between Chat and Requests from others to add you , or even Find tap that you can search to find friend or by exploring applications users

Chat Room



Here user can type message in realtime way with his friend

Add as many screens as you need to portray your app's UI flow.

Key Considerations

How will your app handle data persistence?

Using Firebase realtime database data will be fully handled in real time way and Realm library for offline checking message will be used too

Describe any edge or corner cases in the UX.

Mainly I used view pager to make a good ux

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

Glide : for user image uploading and showing

Realm : for storing and retrieving messages

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

Sign in with google : Login with email or password or even google gmail account

Google ads : adding ads to main screen

Firebase : Analytical , authentication , notification and realtime database

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

- Add all wanted dependencies in gradle file
- Building activities xml
- Start step by step from register to login then to make a chat

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for Login System (Login – register - forgot)
- Build UI for MainActivity
- Build UI for each fragment in main activity

Task 3: Implement Logic for application

- Using Firebase authentication system
- Using Firebase realtime database for messaging

Task 4: Main points

- Widget for a single user chat
- Add adMob to MainActivity
- Bonus : Add features like (change background screen – change chat colors .. etc)

Task 5: Notifications Handling

- Backend development that make push notification easier
- Each notification has a replay button and opens to target chat correctly

Add as many tasks as you need to complete your app.

Submission Instructions

- After you've completed all the sections, download this document as a PDF [File → Download as PDF]
 - Make sure the PDF is named "**Capstone_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:

- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
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