Assignment (MySivi AI Flutter Developer)

Project: Mini Chat Application
Duration: 48-72 hours

Check the last page for UI/UX reference.

PROJECT OVERVIEW

You must build a **mini chat application** with:

Three tabs - First one is functional (Home Tab) and other two are just placeholders

1. A **Home Screen** containing a custom top-tab switcher between:

    ● **Users List**

    ● **Chat History**

Both tabs must **preserve scroll position** when switching.

2. A **Floating Add User Button** on the Users tab to add a user with only name and it should appear in the User list as well once added.

3. A **Chat Screen** that:

    ● Shows sender and receiver messages

    ● Sender messages are locally written and sent by the user

    ● **Receiver messages must be fetched from a real open-source public API, these messages need not be related replies just random string/ comment also works**

    ● Each message shows avatar initial + bubble design

REQUIREMENT:

USE OPEN-SOURCE API FOR RECEIVER MESSAGES

Choose **any ONE** of these safe, open-source REST APIs:

GET https://dummyjson.com/comments?limit=10
GET https://jsonplaceholder.typicode.com/comments?postId=1
GET https://www.boredapi.com/api/activity
GET https://api.quotable.io/random

DETAILED ASSIGNMENT REQUIREMENTS

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1. Home Screen (Main Screen)

A. AppBar Switcher

A custom 2-option switcher positioned in the **center of the AppBar**:

Behavior:

Switcher must **scroll away when the user scrolls down** (disappear with AppBar).

Must **reappear when user scrolls up**.

B. Tab 1 - Users List Page

Functionality:

Shows a scrollable list of users added by the user itself with any name

Example fields:

- Name

- Initial avatar

Tapping a user → navigate to Chat Screen

Scroll position must be **preserved** when switching tabs

Floating Button:

FAB: [+] Add User

Only show on Users tab

On tap: Show snackbar `"User added"` (if mocking the name show the name as well in the snackbar)

C. Tab 2 - Chat History Page

Shows a list of previous chat sessions:

- User avatar

- User name

- Last message

- Last chat time

Scroll position must also be preserved

Bonus points if you show a bottomsheet of the word's meaning when long pressed/tapped on any word in the message(Sender/ Reciever). Use any open source api

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Chat Screen Requirements

Message Types

There are two types:

1. Sender Message (local)

- Shown on the **right**

- Rounded bubble

- With sender avatar initial

2. Receiver Message (API generated)

- Shown on the **left**

- Rounded bubble

- Avatar initial of receiver

- Messages fetched from the selected API above or any of your choice
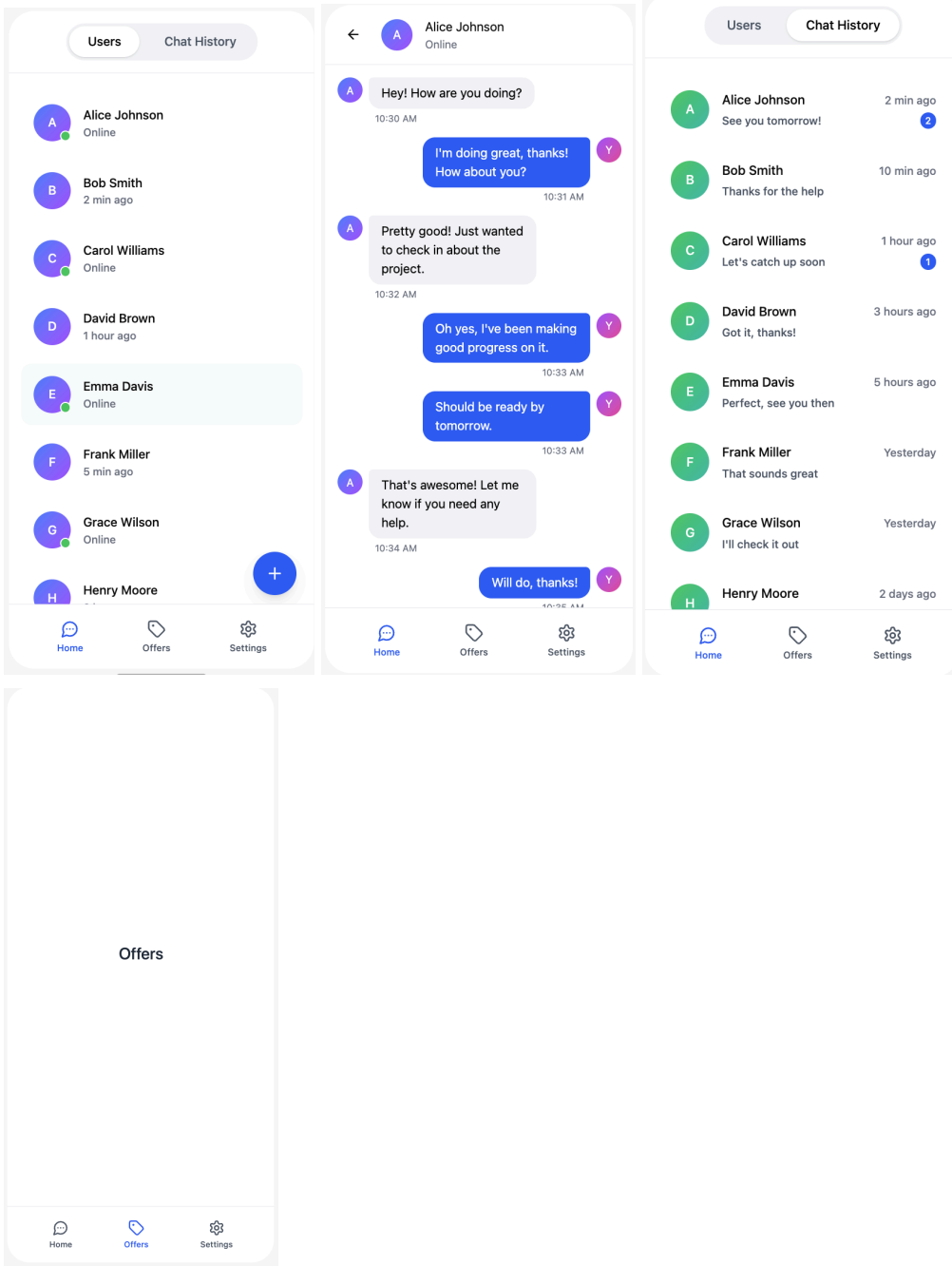

SKILLS BEING ASSESSED

Meeting UI/UX expectations

Gracefully handling errors and failed states

Understanding of requirements

Brownie points for Unit and Integration tests

Code architecture

UI for Reference:

Screen 1 — Users list
Users | Chat History

- A **Alice Johnson** — Online
- B **Bob Smith** — 2 min ago
- C **Carol Williams** — Online
- D **David Brown** — 1 hour ago
- E **Emma Davis** — Online
- F **Frank Miller** — 5 min ago
- G **Grace Wilson** — Online
- H **Henry Moore**

Home | Offers | Settings

Screen 2 — Chat with Alice Johnson
← Alice Johnson — Online

- Hey! How are you doing? — 10:30 AM
- I'm doing great, thanks! How about you? — 10:31 AM
- Pretty good! Just wanted to check in about the project. — 10:32 AM
- Oh yes, I've been making good progress on it. — 10:33 AM
- Should be ready by tomorrow. — 10:33 AM
- That's awesome! Let me know if you need any help. — 10:34 AM
- Will do, thanks!

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Screen 3 — Chat History
Users | Chat History

- A **Alice Johnson** — 2 min ago — See you tomorrow! — 2
- B **Bob Smith** — 10 min ago — Thanks for the help
- C **Carol Williams** — 1 hour ago — Let's catch up soon — 1
- D **David Brown** — 3 hours ago — Got it, thanks!
- E **Emma Davis** — 5 hours ago — Perfect, see you then
- F **Frank Miller** — Yesterday — That sounds great
- G **Grace Wilson** — Yesterday — I'll check it out
- H **Henry Moore** — 2 days ago

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Screen 4 — Offers
Offers

Home | Offers | Settings

VIDEO for UX - 🎬 Screen Recording 2025-12-17 at 6.48.01 PM.mov

Submission Steps:

1. Push the code to github with commit history.
2. Create a google drive and share apk and video as well of the submission.

And share with hiring@mysivi.ai and yash@mysivi.ai
Make sure you reply to the **same email thread** where you got the assignment
and **reply all.**