MICROSOFT ENGAGE'21

https://microsoft.acehacker.com/fte2021/

Timeline

8th Nov- 10th Nov. - Start thinking of solution/ looking out of resources

11th Nov.-12th Nov. - Looking out for UI resources and build the onboarding

13th Nov. – 26th Nov.- Build the solution and fixing bugs
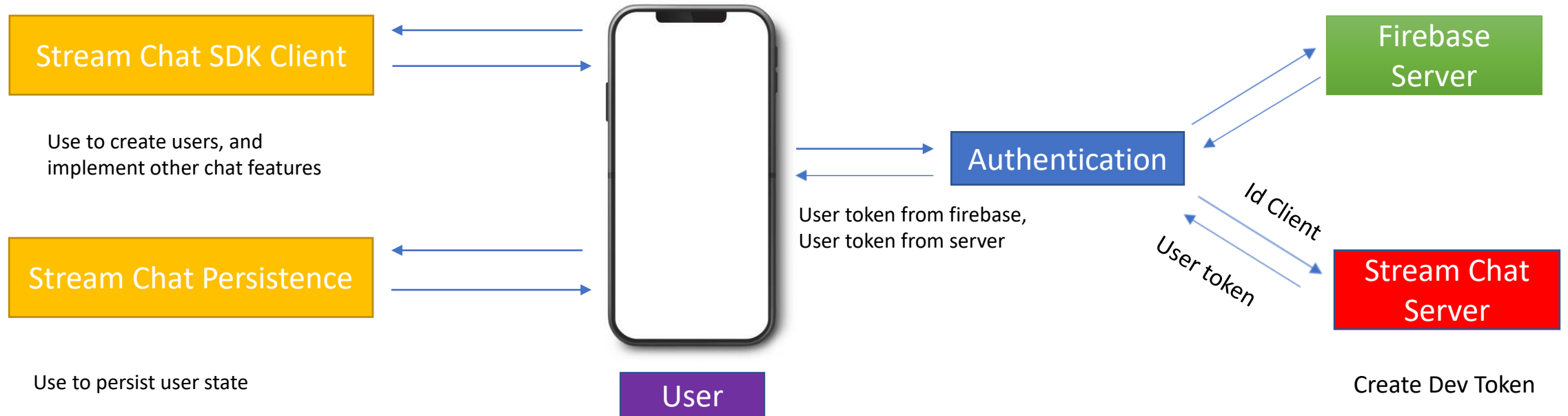
27th Nov. – 28th Nov. Submitted the solution

Result

✓ A mobile prototype application where school/organisation can register themselves and discuss/meet individually and in a group.

✓ GitHub Repository- Well documented and follows GitHub workflow.

Codebase Overview

Stream Chat SDK Client

Use to create users, and implement other chat features

Stream Chat Persistence

Use to persist user state

User

User token from firebase,
User token from server

Authentication

Firebase Server

Stream Chat Server

Id Client

User token

Create Dev Token

Tech-Stack Used

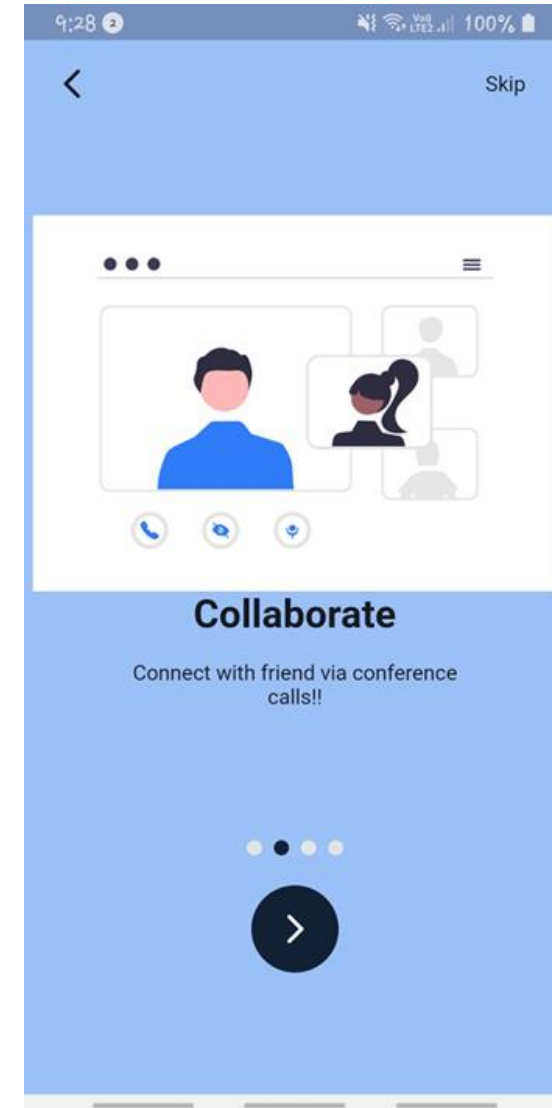**Flutter**
Cross platform development tool

Google Firebase
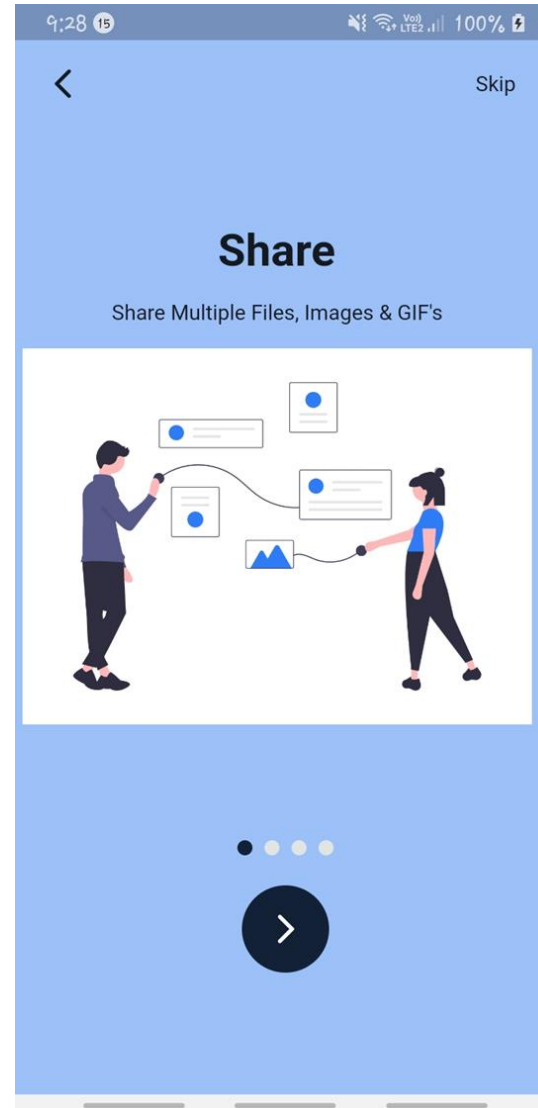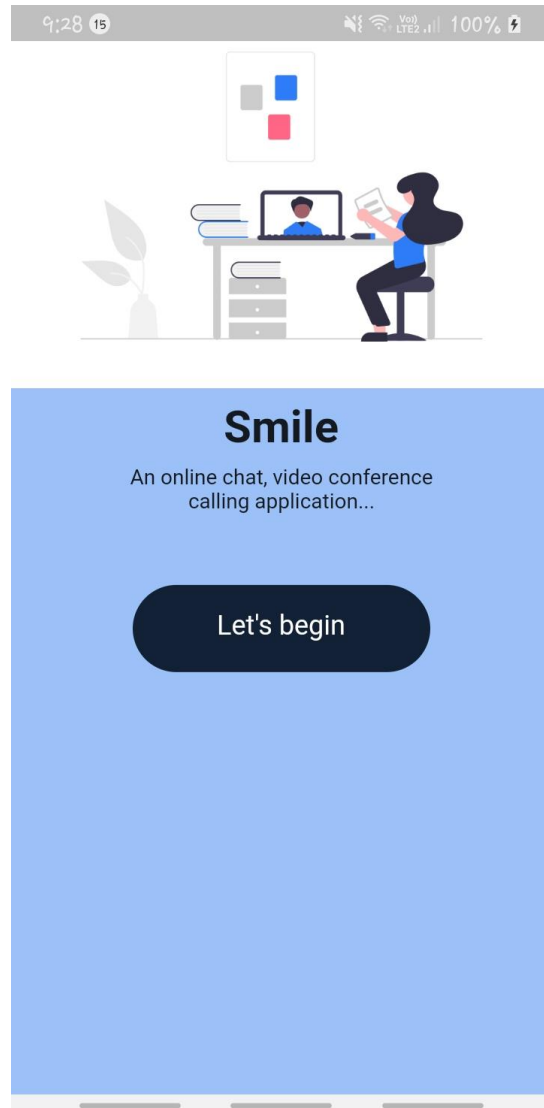Realtime database

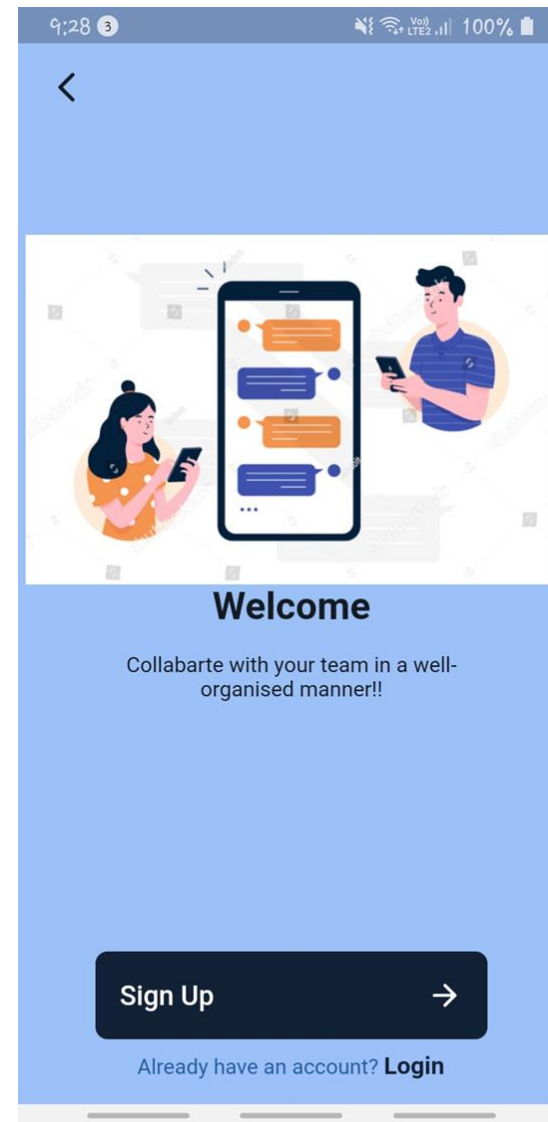**Stream Chat SDK**
SDK for developing chat applications

Jitsi Meet
Video Conferencing solution

Introductory Animation(Implemented as Page viewer)

Sync

Sync up on Multiple Platforms!!

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›

Welcome

Collabarte with your team in a well-organised manner!!

Sign Up   →

Already have an account? **Login**
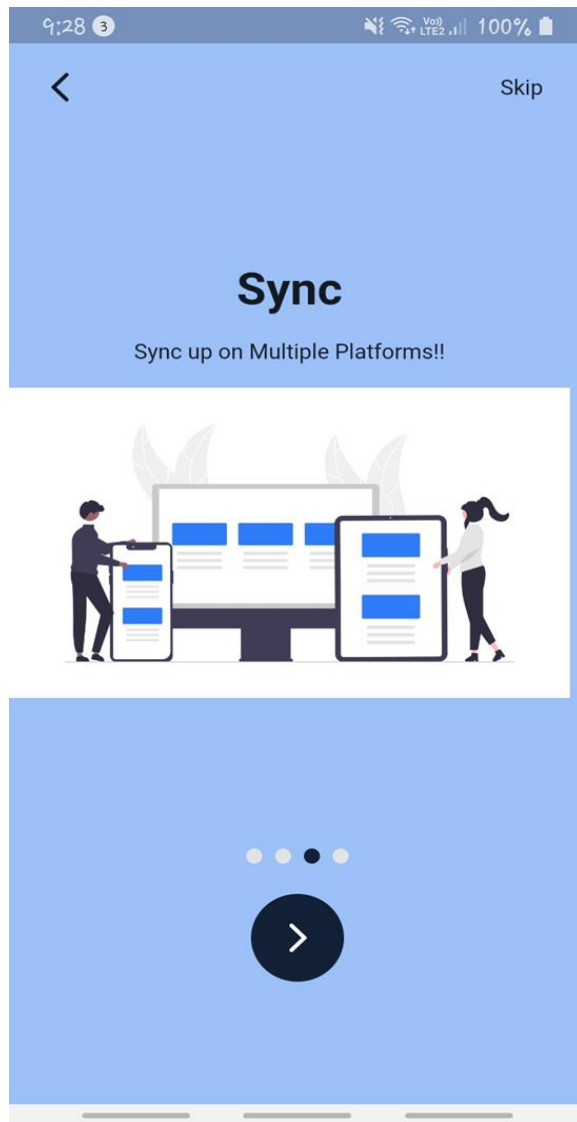
Authentication

Error if user enter already registered organisation name

Register as member if your organisation is already registered

Sign up with your email

Complete your profile

Login to your account

Screen 1: Sign Up (Error)

Sign Up

Registering as:

- ● Admin
- ○ Member

Organisation Name
Microsoft

Error

This organisation name already exists!

OK

Screen 2: Sign Up (Member)

Sign Up

Registering as:

- ○ Admin
- ● Member

Continue

Screen 3: Register Account

← **Sign Up**

Register Account
Complete your details to continue

Email
smileengage@gmail.com

Password
●●●●●●●

Confirm Password
●●●●●●●

⊗ Passwords don't match

Continue

By continuing your confirm that you agree with our Term and Condition

Screen 4: Complete Profile

← **Sign Up**

Complete Profile
Complete your details to continue

First Name
Dhruv

Last Name
Gupta

Phone Number
8457695876

Address
Mathura

continue

By continuing your confirm that you agree with our Term and Condition

Screen 5: Sign In

← **Sign In**

Welcome Back
Sign in with your email and password to continue

Email
smileengage@gmail.com

Password
●●●●●●●

Organisation Code
jmtivzsQ

☐ Remember me   Forgot Password

Continue

Don't have an account? Sign Up

User Onboarding
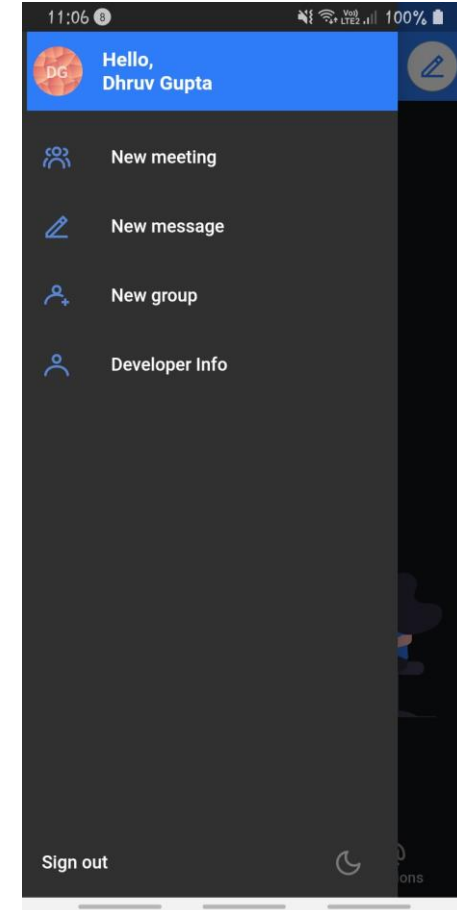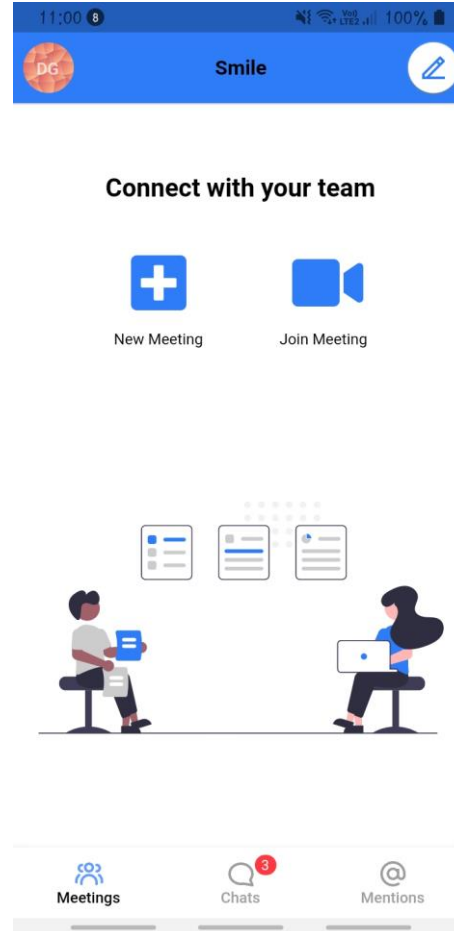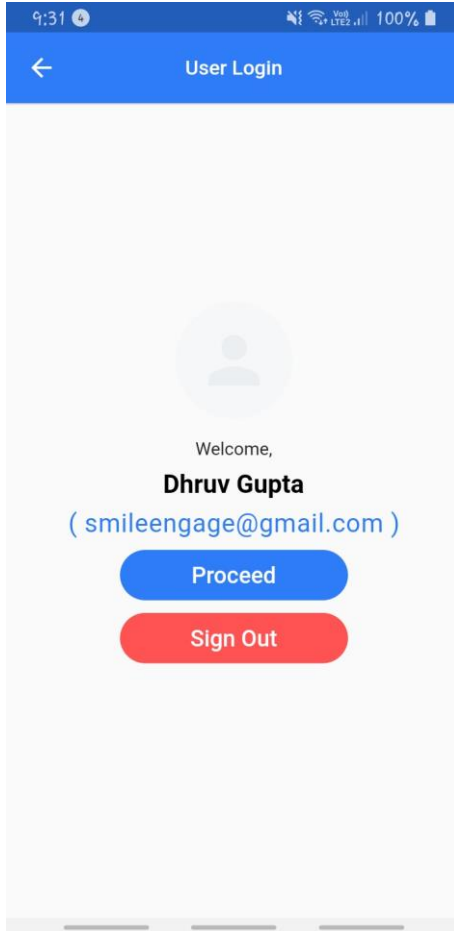
Grouping
Only users of same organisation will be shown.

Snippet of the database
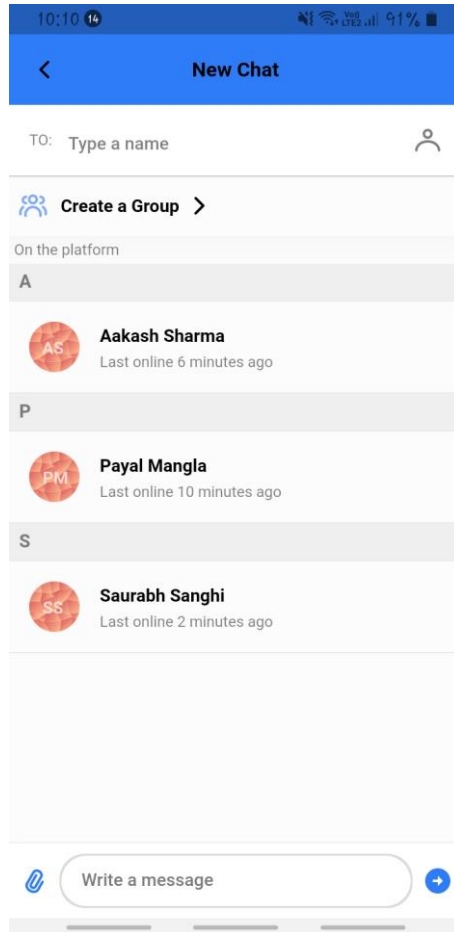
There are more than 4 users registered but only 3 users are available for chat as in the school/ organisation **' TcCjp4bX'** only 4 users are there including the logged in user
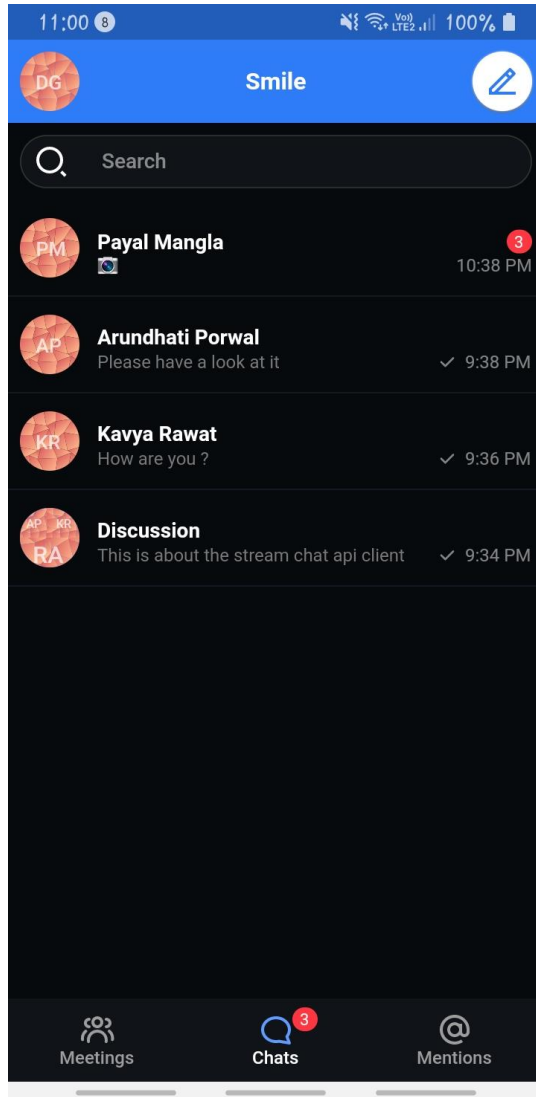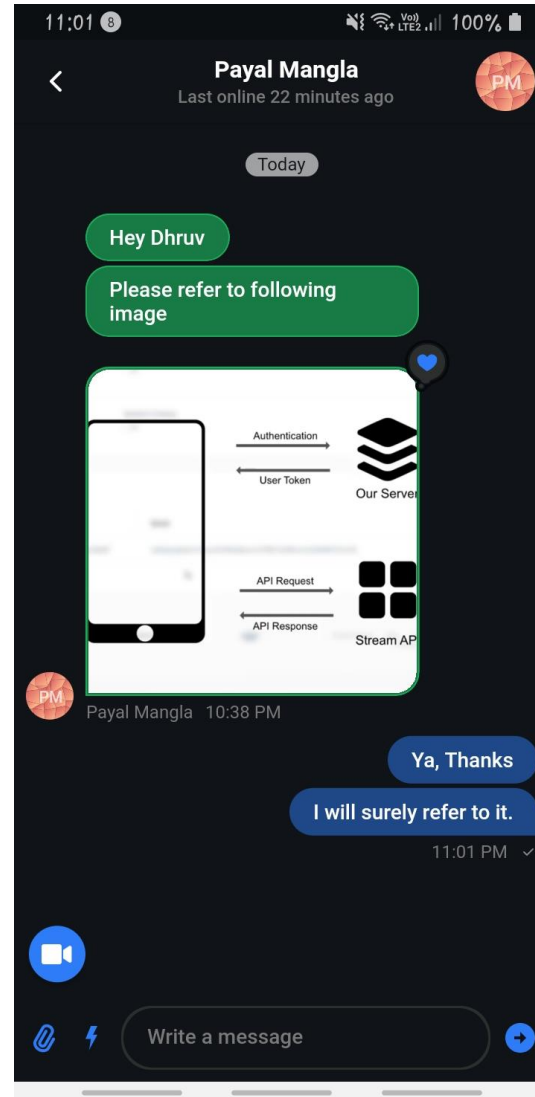
Rich Chat Experience

- Create Group / personal chats outside a meeting

- Pin messages.

- Delete / edit messages.

- Photo, Audio, Videos, etc.

- GIFs via GIPHY

- Chat reactions & Emojis.

- Reply on threads.

- Integrated Video rooms.

- User mentions.

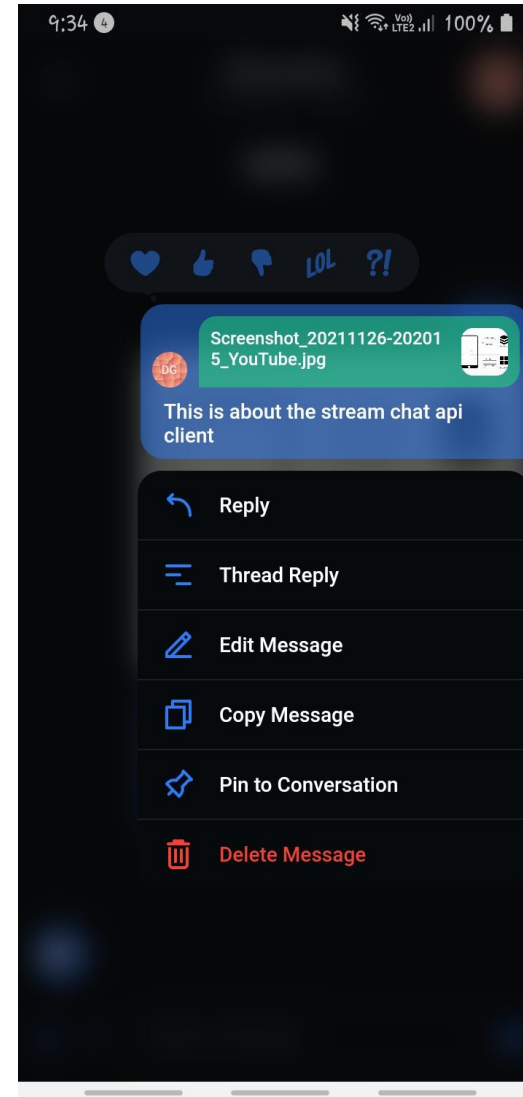- Mute Conversations

Peer to Peer chat
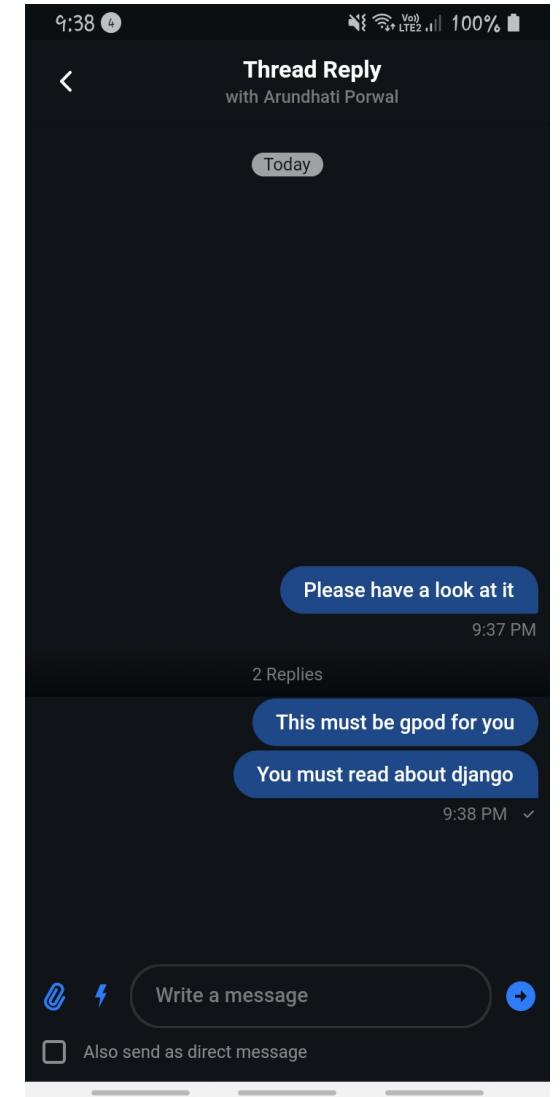

All chats will be shown here
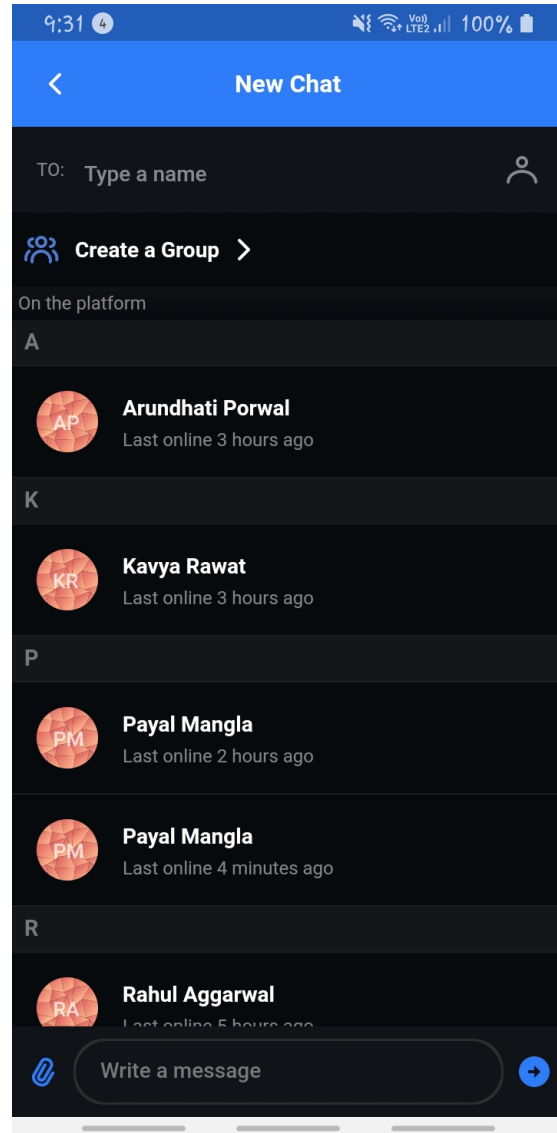
one to one chat experience
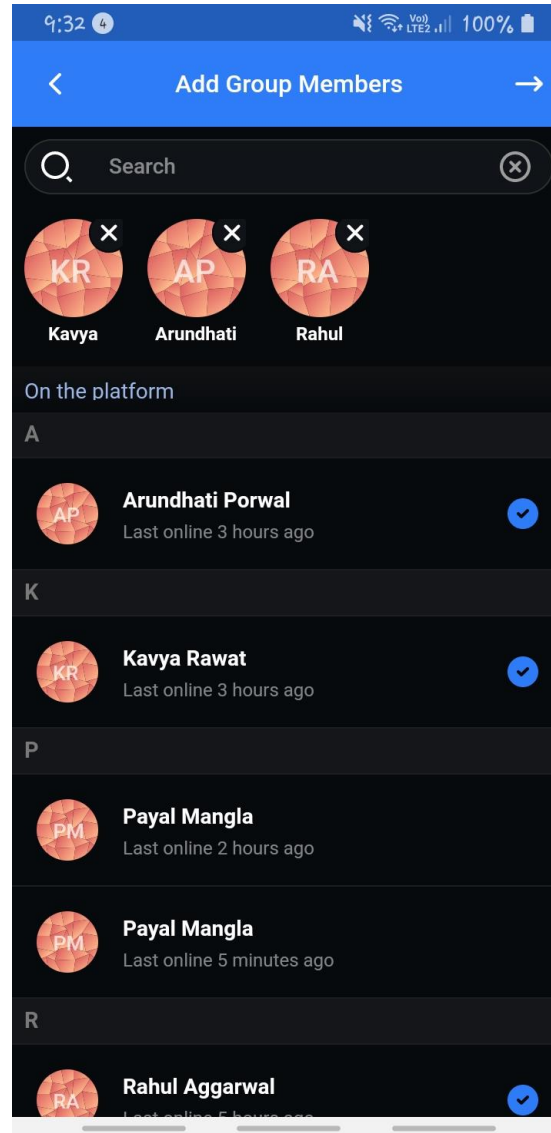
Reply on message etc

Thread Reply

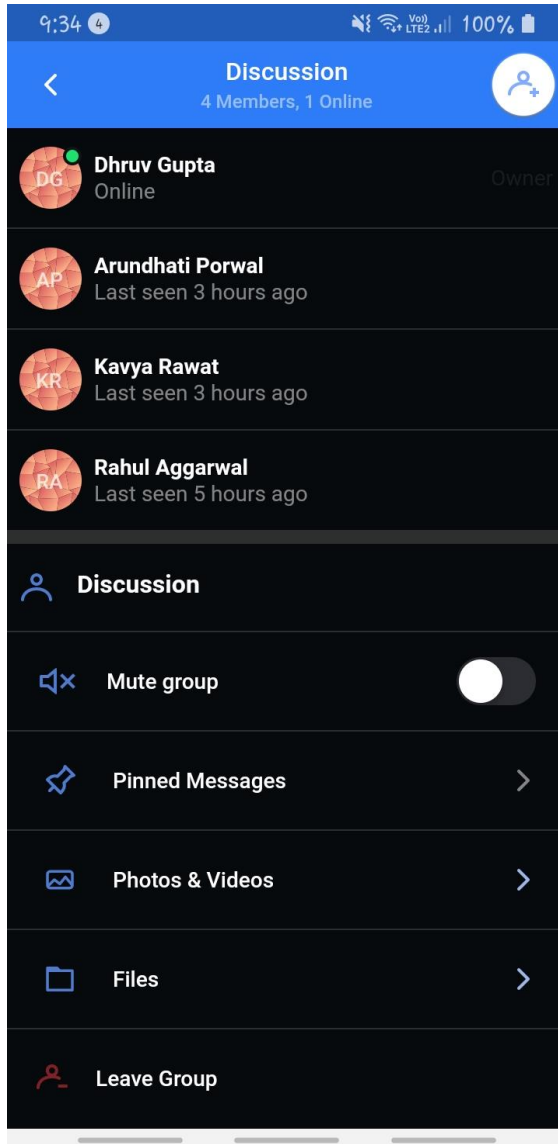# Create new one to one/group chat

Create new chat

Create new group, add members

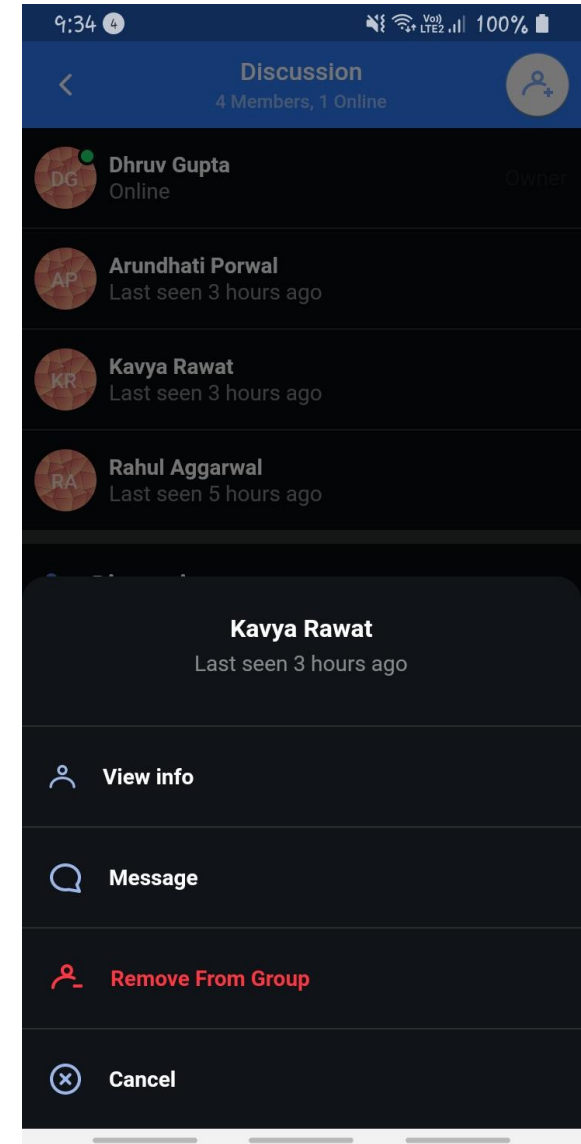# View group/group members info, add members

View group info
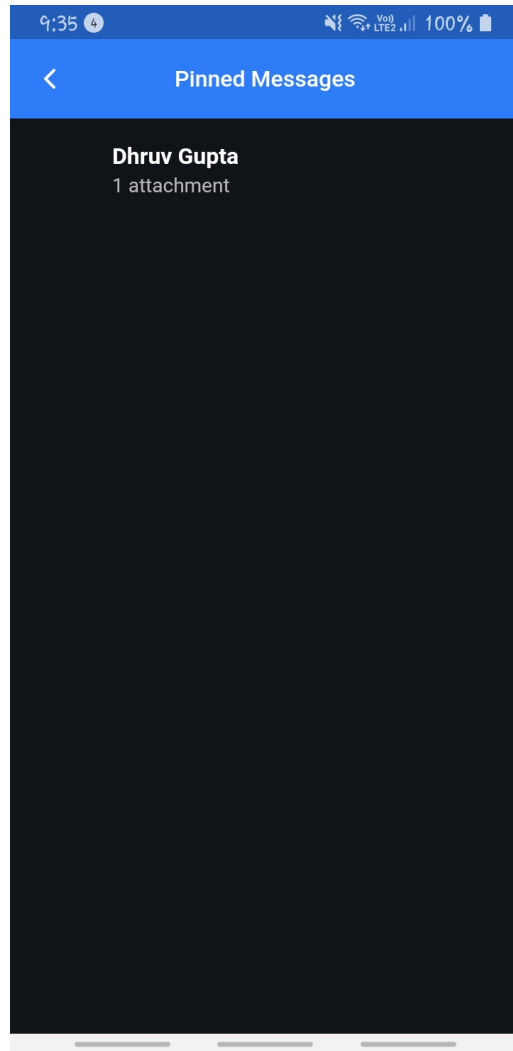
Add group members after creating the group
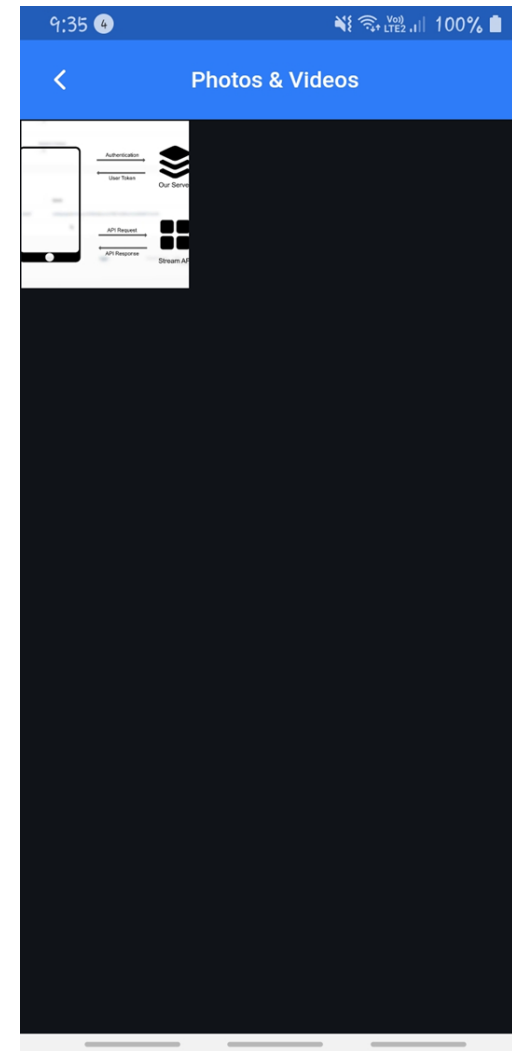
View group members info

View shared files/media, pinned messages

See pinned messages inside the chat
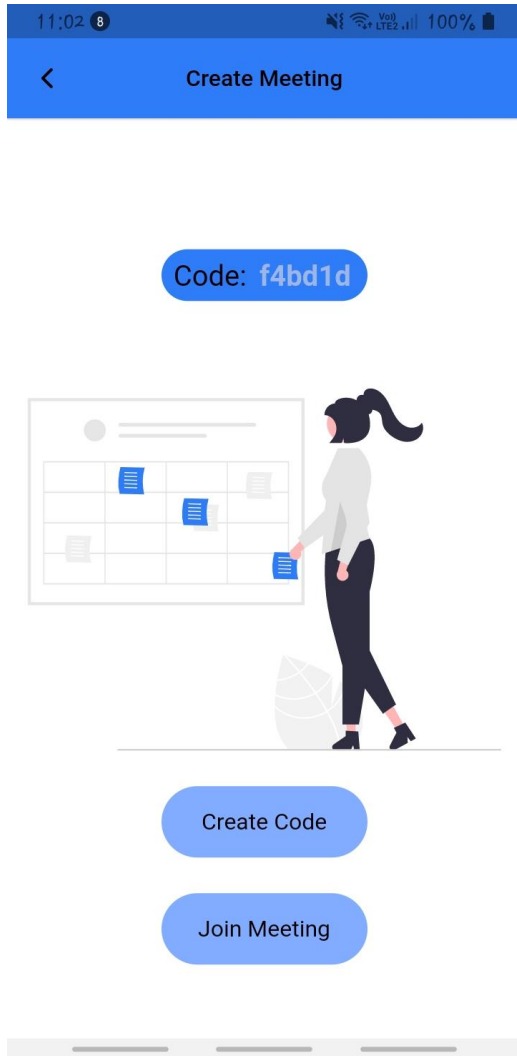
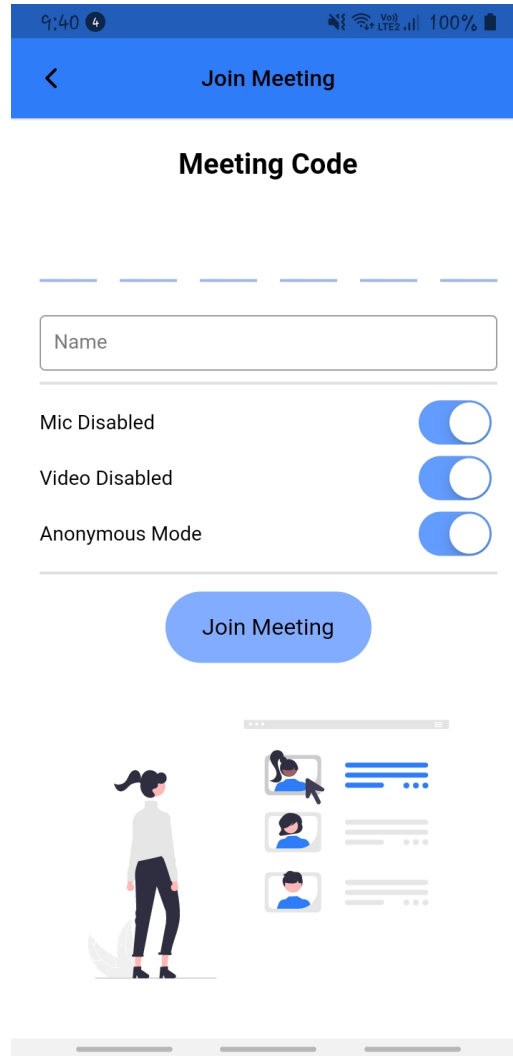See media shared inside the chat

Video Conferencing Functionality

- Toggle Video / Audio
- Share Screen
- Anonymous Join In
- Raise Hand
- Set Meeting Password
- Share files
- In meet private chat
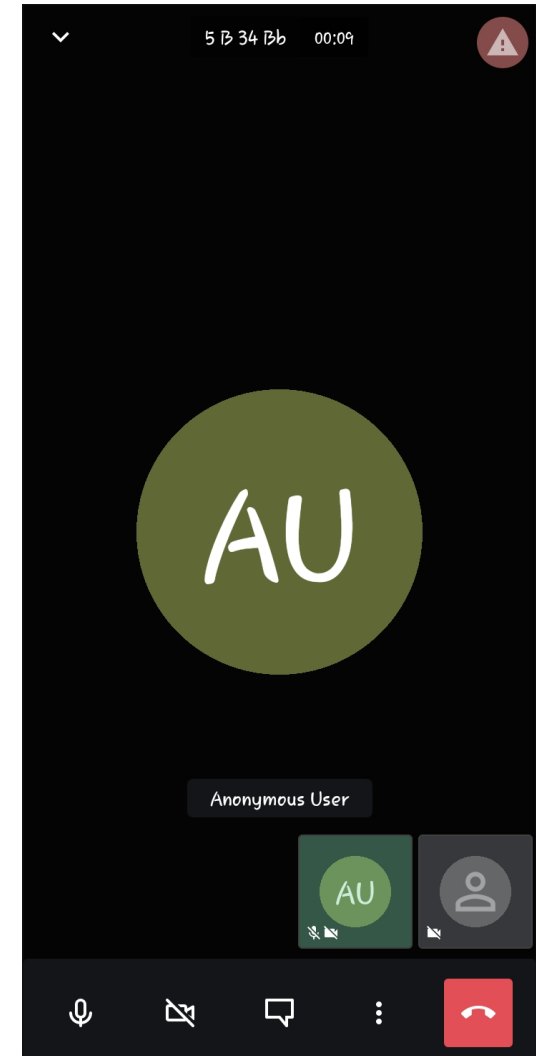- Record the meeting
- Share Links
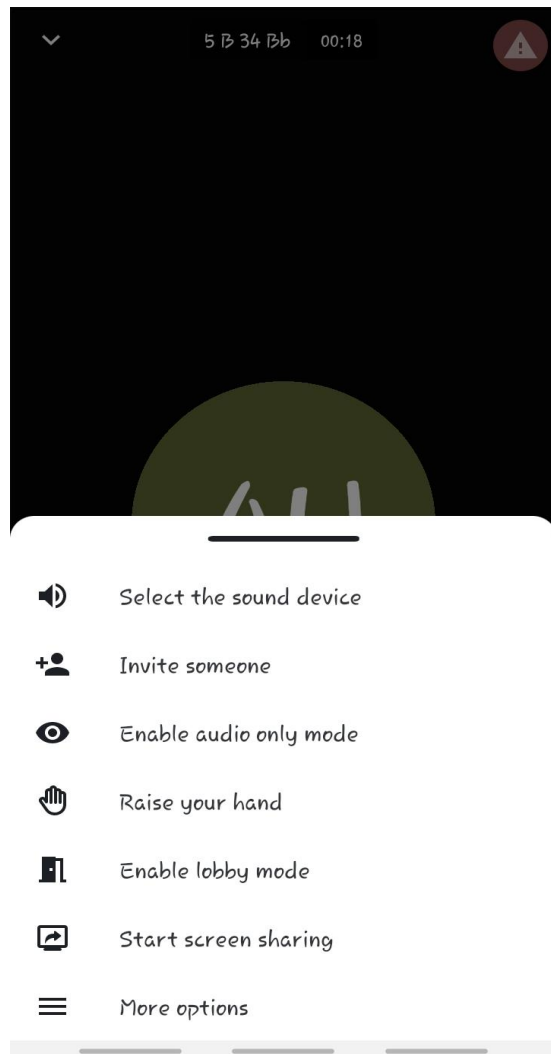- Minimized mode
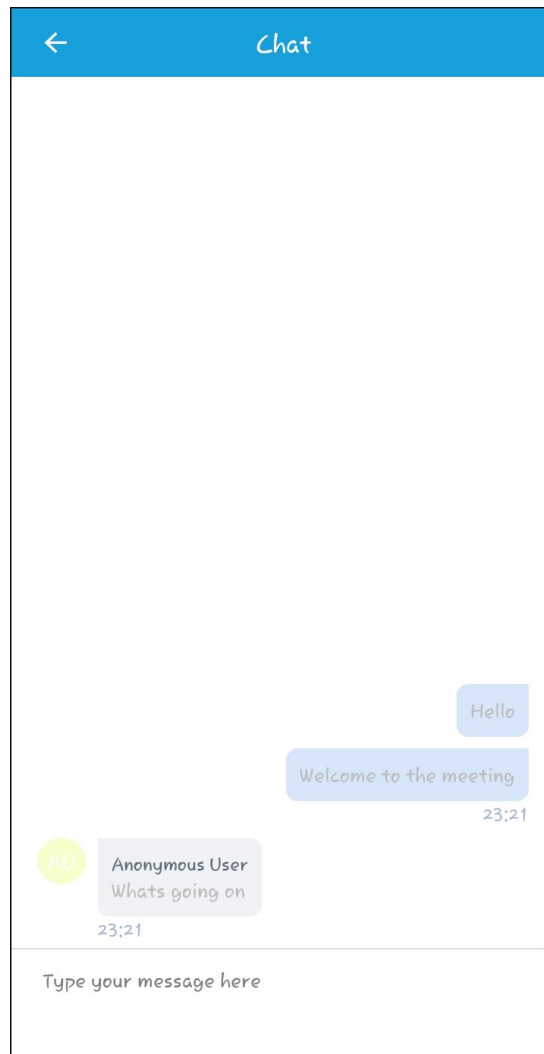
Create Meeting

Join Meeting with code

When meeting is joined

Meeting options

In meet chat

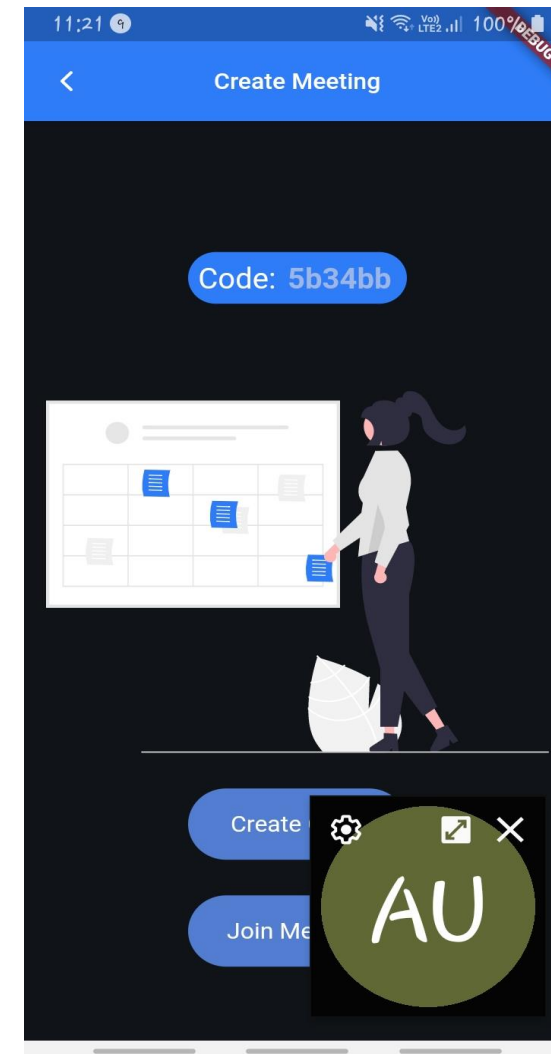## Minimized mode

UI/UX Specific Features

- Onboarding Screens

- Fully Responsive UI

- Dark / Light Theme

Thank You