

MPL & PWA LAB PREREQUISITE


Name- Soham Satpute

Class-D15A

Roll.No-51

AIM: - Selecting features for application development, the features should comprise of:

- Common Widgets
- Should include icons, images, charts etc.
- Should have an interactive form.
- Should apply navigation, routing and gestures
- Should connect with Fire Base database

Screenshots	Features
	<p>Purpose: Enables secure user registration and login for accessing video conferencing features.</p> <p>Features:</p> <ol style="list-style-type: none"> 1. Mobile Login & OTP: <ul style="list-style-type: none"> Secure mobile number login with OTP verification. Input masking for enhanced security. 2. Firebase Integration: <ul style="list-style-type: none"> Authentication: Secure user sign-up and login. Realtime Database: Sync meeting and user data in real-time. Firebase Cloud Messaging (FCM): Notifications for meetings and updates. 3. Core Features: <ul style="list-style-type: none"> Join meetings. Schedule sessions. Screen sharing. Real-time chat. <p>Conclusion:</p>



Login/Sign Up Page:

Purpose:

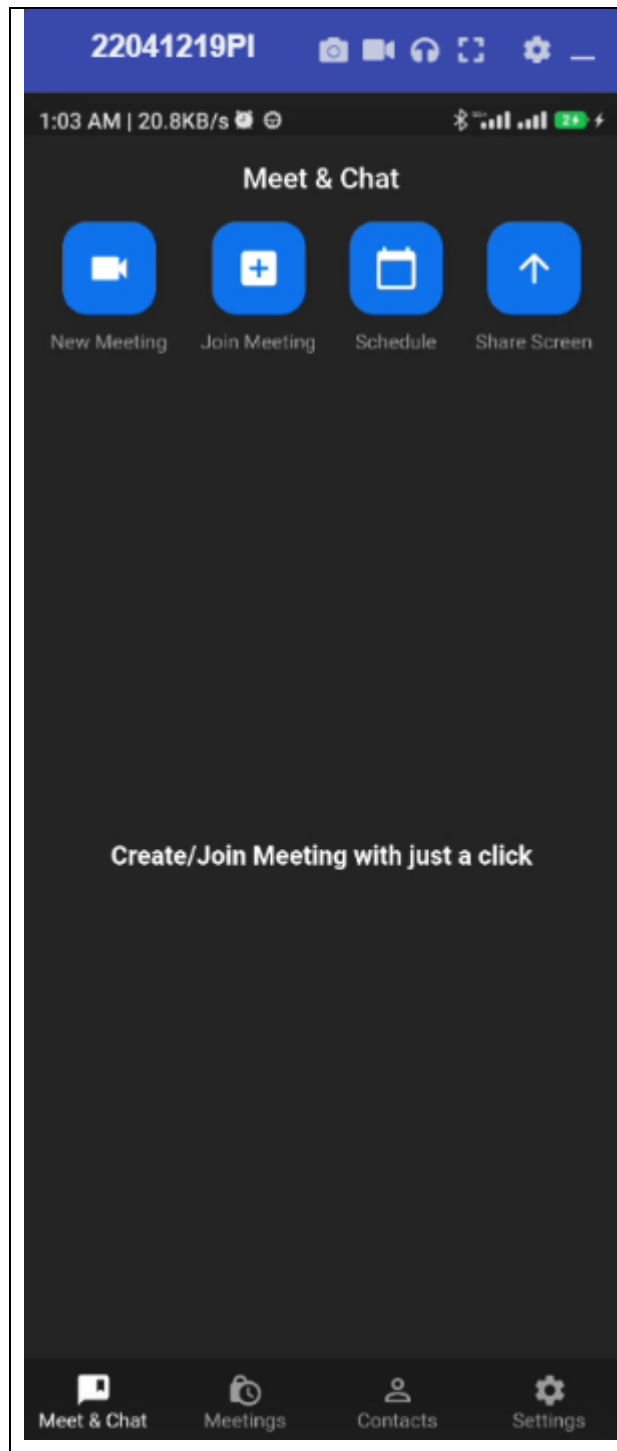
The primary purpose of this page is to welcome users and guide them through the initial steps of using the platform. It serves as an entry point for both new and returning users, offering options to sign up, sign in, or join a meeting directly.

Features and Widgets:

1. **Welcome Message:**
 - Greets users and sets a friendly tone for the platform.
2. **Join a Meeting:**
 - Allows users to enter meetings directly, ideal for quick access.
3. **Sign Up/Sign In:**
 - Options for new users to create an account or returning users to log in.
4. **Get Started:**
 - Guides new users through setting up their account and exploring the platform.
5. **Zoom Indicator:**
 - Shows zoom level (1:35, 17%), suggesting customizable viewing options for better usability.

Conclusion:

This setup ensures a seamless and secure user experience with Firebase as the backend and Flutter as the frontend.



Home Page:

Features:

1. Meet & Chat:

- Central feature allowing users to communicate via video meetings and chat.

2. New Meeting:

- Option to start a new meeting instantly with a single click.

3. Join Meeting:

- Quick access to join an existing meeting using a code or link.

4. Schedule:

- Allows users to plan and organize meetings in advance.

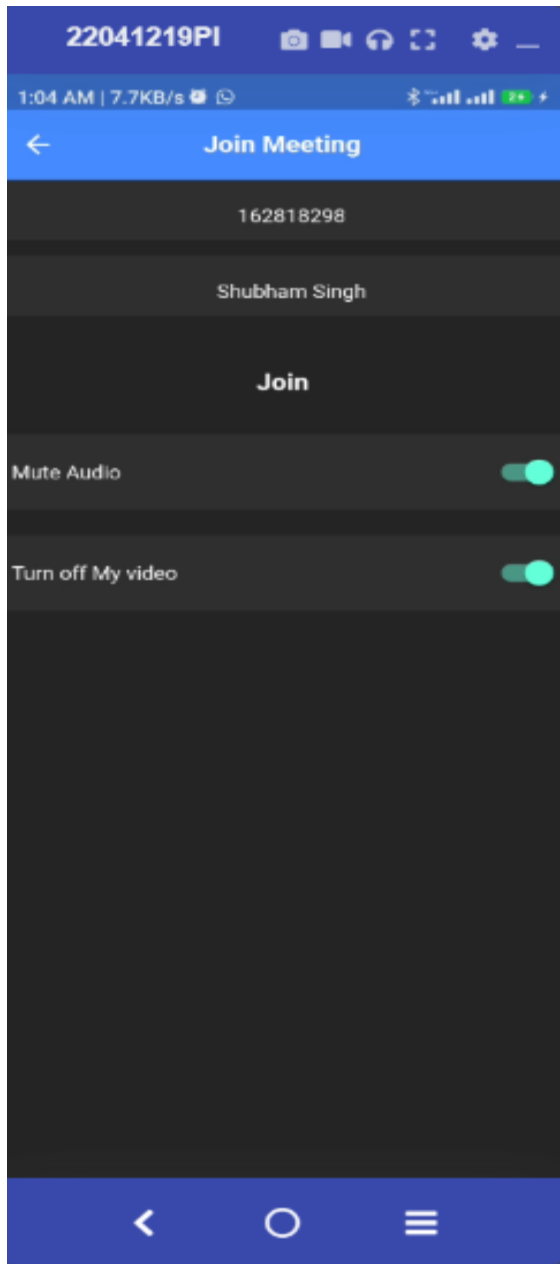
5. Share Screen:

- Feature to share your screen during meetings for presentations or collaboration.

The page emphasizes ease of use, enabling users to create, join, and manage meetings efficiently, along with additional tools like screen sharing and scheduling.

Conclusion:

This setup ensures a seamless and secure user experience with Firebase as the backend and Flutter as the frontend.



Join Meeting Interface:

Features:

1. Join Meeting:

- The primary function, allowing users to enter a meeting.

2. Meeting ID:

- A unique identifier for the specific meeting the user is joining.

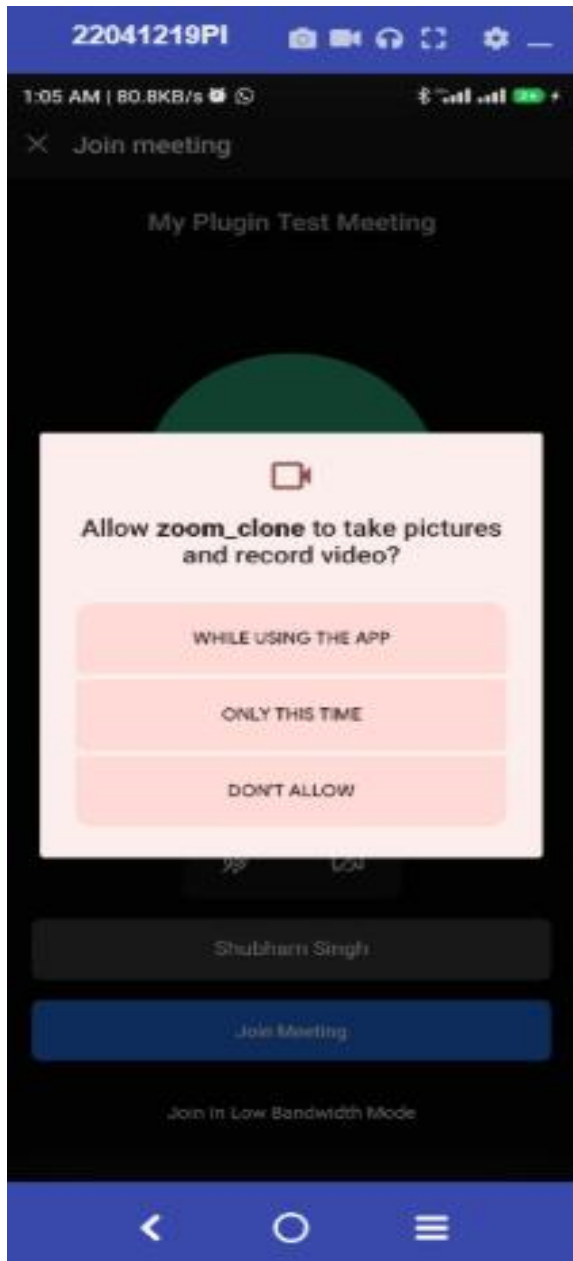
3. User Name:

- Displays the name of the user who is joining the meeting, possibly for identification purposes.

The page is straightforward, focusing on providing quick access to join a meeting with the necessary details like the meeting ID and user name.

Conclusion:

This setup ensures a seamless and secure user experience with Firebase as the backend and Flutter as the frontend.



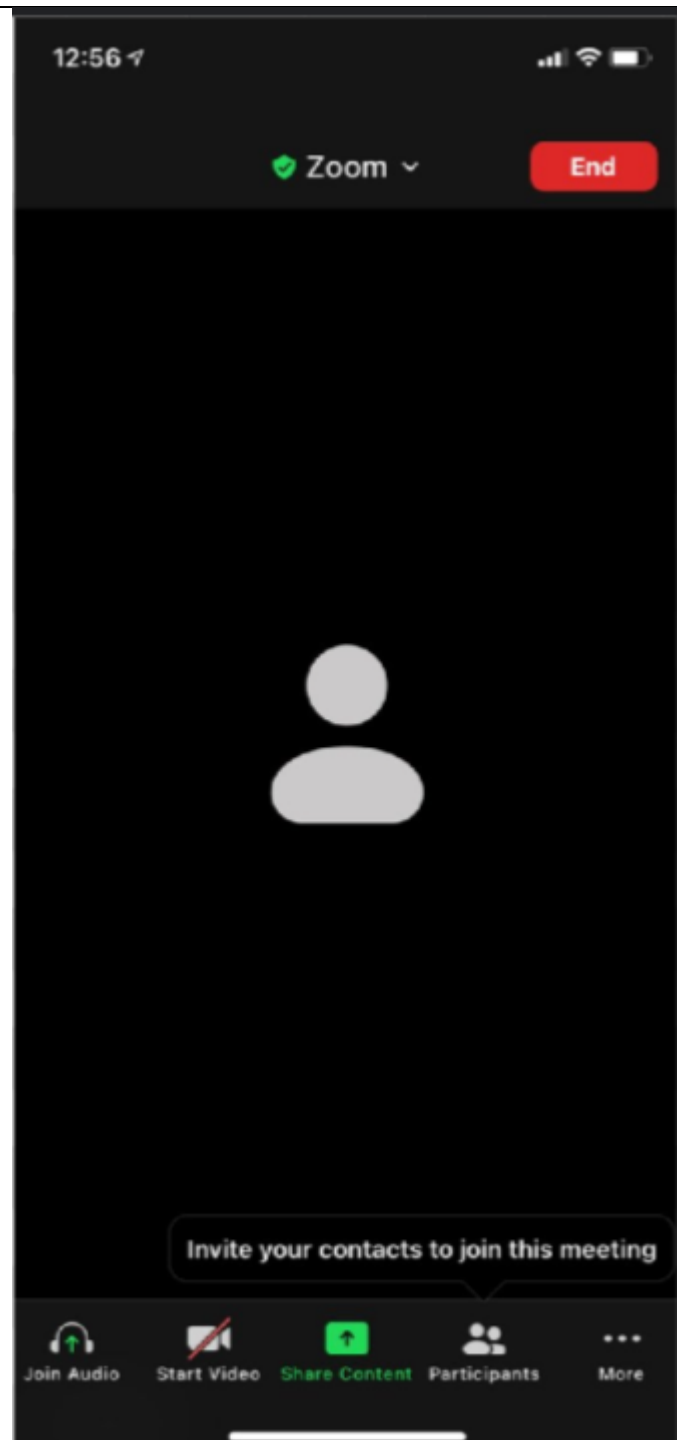
Join Meeting with Permissions:

Features:

1. **Join Meeting:**
 - The main action, allowing users to enter a meeting.
2. **Meeting Name:**
 - "My Plugin Test Meeting" indicates the specific meeting the user is joining.
3. **Permissions Request:**
 - The app asks for permissions to access the camera and microphone, with options to allow access "While Using the App," "Only This Time," or "Don't Allow."
4. **User Information:**
 - Displays the name of the user who is joining the meeting. This page is designed to ensure users can join meetings smoothly while managing necessary permissions for the app to function effectively.

Conclusion:

This setup ensures a seamless and secure user experience with Firebase as the backend and Flutter as the frontend.



Meeting Invitation Screen:

Features:

Zoom: Indicates that this is part of the Zoom application.

End: Suggests that the meeting has concluded, and this screen is part of the post-meeting interface.

Invite Your Contacts: A prompt encouraging the user to invite their contacts to join future meetings, likely to expand participation or collaboration. This page serves as a post-meeting screen, providing options for users to share the meeting experience with others by inviting their contacts.

