

React Native Video Meeting App

Home Assignment

Overview

Build a React Native application that embeds Zoom video meetings with a contract-sending feature. The app should allow sellers to create meetings, invite clients via deeplinks, and send contract links during live meetings.

Tech Stack

Technology	Purpose
React Native	Cross-platform mobile app (iOS & Android)
Zoom Meeting SDK	Embedded video meetings
Supabase	Authentication & Database

User Roles

Client (default role): Can join meetings via deeplink and receive contract notifications.

Seller (set manually in DB): Can create meetings and send contracts during meetings.

Features

1. Authentication (Supabase)

- Sign up / Login flow
- User role stored in database
- Default role on signup: client
- Seller role is set manually via Supabase dashboard

2. Deeplink Handling

App should handle deeplinks in format:

`yourapp://join?meetingId=XXX&password=YYY`

When opened, the app should launch and auto-join the specified Zoom meeting.

3. Embedded Zoom Meeting

Read about Zoom SDK and implement a solution for making the zoom call within the app

- Video on/off
- Audio mute/unmute
- Chat functionality
- Screen sharing
- Recording controls

4. Meeting Creation (Seller Only)

- Sellers can create new Zoom meetings from within the app
- Generate shareable deeplink with meeting ID + password
- Share link with clients

5. Send Contract Feature (Seller Only)

- During an active meeting, seller sees a "Send Contract" button
- When clicked: Push notification sent to the client (via FCM)
- Client receives popup/modal with link to Google Doc (contract)
- The link should also be sent to the mail of the buyer and in the chat of the call
- For now, use a fixed Google Doc URL for all contracts

Screens / Views

1. **Login / Signup Screen**
2. **Home Screen**
 - Client: Waiting state / instructions
 - Seller: "Create Meeting" button
3. **Meeting Screen**
 - Embedded Zoom view with all controls
 - "Send Contract" button (seller only)
4. **Contract Popup/Modal** (client side, triggered by push notification)

Deliverables

1. **Working React Native App**
 - Runs on both iOS and Android
 - All features listed above implemented
2. **Documentation of AI Prompts Used**
 - Create a PROMPTS.md file in your repository
 - Document each significant prompt you used with AI tools (Cursor, Claude Code, etc.)
 - Include: the prompt, which tool, and what it helped achieve

Example format:

```
### Prompt 1: Setting up Zoom SDK
**Tool:** Cursor
**Prompt:** "Help me integrate Zoom SDK..."
**Result:** Generated native bridge code
```

3. **README.md** with:
 - Setup instructions
 - Environment variables needed
 - How to run the app

Good luck! □