

# 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!** ☐