**README.md - Setup Instructions Document**

**GenZen Meditation App - Setup Guide**

**Overview**

GenZen is an AI-powered meditation app with Google authentication via Supabase, ready for deployment on Vercel.

**Project Structure**

genzen-meditation/

├── app/ # Next.js app directory

├── components/ # React components

├── lib/ # Utilities and Supabase client

├── public/ # Static assets

├── package.json # Dependencies

├── next.config.js # Next.js configuration

└── .env.local # Environment variables

**Setup Instructions**

**Phase 1: Local Setup**

1. **Create a new project folder**
2. mkdir genzen-meditation
3. cd genzen-meditation
4. **Initialize the project**
   * Copy all the provided files into this folder
   * Create the folder structure as shown above
5. **Install dependencies**
6. npm install
7. **Configure environment variables**
   * Rename .env.local.example to .env.local
   * Your Supabase keys are already configured
   * Add your OpenAI API key when ready

**Phase 2: Database Setup in Supabase**

1. **Go to your Supabase Dashboard**
   * Navigate to SQL Editor
   * Run this SQL to create your meditations table:

-- Create meditations table

CREATE TABLE meditations (

id UUID PRIMARY KEY DEFAULT uuid\_generate\_v4(),

user\_id UUID REFERENCES auth.users(id) ON DELETE CASCADE,

config JSONB NOT NULL,

script TEXT,

audio\_url TEXT,

created\_at TIMESTAMP WITH TIME ZONE DEFAULT NOW(),

updated\_at TIMESTAMP WITH TIME ZONE DEFAULT NOW()

);

-- Enable Row Level Security

ALTER TABLE meditations ENABLE ROW LEVEL SECURITY;

-- Create policy for users to see only their own meditations

CREATE POLICY "Users can view own meditations"

ON meditations FOR SELECT

USING (auth.uid() = user\_id);

CREATE POLICY "Users can create own meditations"

ON meditations FOR INSERT

WITH CHECK (auth.uid() = user\_id);

CREATE POLICY "Users can update own meditations"

ON meditations FOR UPDATE

USING (auth.uid() = user\_id);

CREATE POLICY "Users can delete own meditations"

ON meditations FOR DELETE

USING (auth.uid() = user\_id);

**Phase 3: Test Locally**

1. **Run the development server**
2. npm run dev
3. **Open your browser**
   * Navigate to http://localhost:3000
   * Test Google sign-in
   * Try creating a meditation

**Phase 4: Deploy to Vercel**

1. **Push to GitHub**
2. git init
3. git add .
4. git commit -m "Initial commit"
5. git remote add origin https://github.com/chelsealee0913/GenZen.git
6. git push -u origin main
7. **Deploy on Vercel**
   * Go to https://vercel.com
   * Click "Import Project"
   * Select your GitHub repository
   * Configure environment variables:
     + Add NEXT\_PUBLIC\_SUPABASE\_URL
     + Add NEXT\_PUBLIC\_SUPABASE\_ANON\_KEY
     + Add OPENAI\_API\_KEY (when you have it)
   * Click "Deploy"
8. **Update Supabase Redirect URL**
   * Once deployed, get your Vercel URL (e.g., https://genzen.vercel.app)
   * Go to Google Cloud Console → Credentials
   * Add your Vercel URL to authorized redirect URIs:
   * https://genzen.vercel.apphttps://genzen.vercel.app/\*

**File Descriptions**

**Core Files**

* **lib/supabase.ts** - Supabase client and auth helpers
* **app/page.tsx** - Main app component with auth logic
* **components/LoginPage.tsx** - Google sign-in page
* **components/Dashboard.tsx** - Main dashboard after login
* **components/MeditationCreator.tsx** - Create meditation flow
* **components/MeditationLibrary.tsx** - View saved meditations

**Configuration Files**

* **.env.local** - Environment variables (don't commit this!)
* **next.config.js** - Next.js configuration
* **package.json** - Project dependencies

**Next Steps**

**Adding OpenAI Integration**

1. Get your OpenAI API key from https://platform.openai.com
2. Add to .env.local
3. Create an API route in app/api/generate-meditation/route.ts

**Adding Text-to-Speech**

Options:

* Browser's Web Speech API (free, limited)
* ElevenLabs API (better quality, paid)
* Google Cloud Text-to-Speech (good quality, pay-per-use)

**Mobile App**

This web app is mobile-responsive and can be:

* Added to home screen on iPhone/Android
* Wrapped in Capacitor for app stores
* Converted to React Native later

**Troubleshooting**

**Google Sign-in Not Working**

1. Check that your redirect URIs match exactly in Google Console
2. Verify Supabase has the correct Client ID and Secret
3. Check browser console for specific errors

**Database Errors**

1. Ensure you ran the SQL commands in Supabase
2. Check that Row Level Security policies are enabled
3. Verify user is properly authenticated

**Deployment Issues**

1. Make sure all environment variables are set in Vercel
2. Check build logs in Vercel dashboard
3. Ensure GitHub repository is properly connected

**Support**

* Supabase Docs: https://supabase.com/docs
* Vercel Docs: https://vercel.com/docs
* Next.js Docs: https://nextjs.org/docs

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