

AI Powered Mental Health System

An AI-driven mental health web application built with Next.js, Tailwind CSS, and integrated with MongoDB/Supabase for backend services.

This system helps users track their moods, maintain journals, and get AI-powered mental health tips.

Features

- User Authentication
- Mood Check-ins
- AI-Powered Tips
- Journal
- Mood Analytics
- Streak Tracking
- Responsive Design

Project Structure

AI_Powered_MentalHealthSystem/

??? public/ # Static assets

??? src/

? ??? app/ # Next.js app routes (pages, API routes)

? ??? components/ui/ # Reusable UI components

? ??? lib/ # Utility functions & database connectors

? ??? models/ # MongoDB models

??? .gitignore

??? package.json

??? tailwind.config.js

??? next.config.mjs

??? tsconfig.json

Tech Stack

- Frontend: Next.js 14, React, Tailwind CSS
- Backend: Next.js API routes

- Database: MongoDB, Supabase
- Authentication: Supabase Auth
- AI Integration: OpenAI API

Installation

1. Clone the repository

```
git clone https://github.com/yourusername/AI_Powered_MentalHealthSystem.git
cd AI_Powered_MentalHealthSystem
```

2. Install dependencies

```
npm install
```

3. Setup environment variables

```
Create a .env.local file in the root and add:
MONGODB_URI=your_mongodb_connection_string
SUPABASE_URL=your_supabase_url
SUPABASE_KEY=your_supabase_api_key
OPENAI_API_KEY=your_openai_api_key
```

4. Run the development server

```
npm run dev
The app will be running at: http://localhost:3000
```

Available Scripts

Command	Description
npm run dev	Start development server
npm run build	Create production build
npm start	Start production server
npm run lint	Lint and fix code style issues

License

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