



YouMatter
Mood Tracker

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Developers

Introduction

Features

Because,

YouMatter

Final Project SBD

KELOMPOK 7

Meet Our Developers



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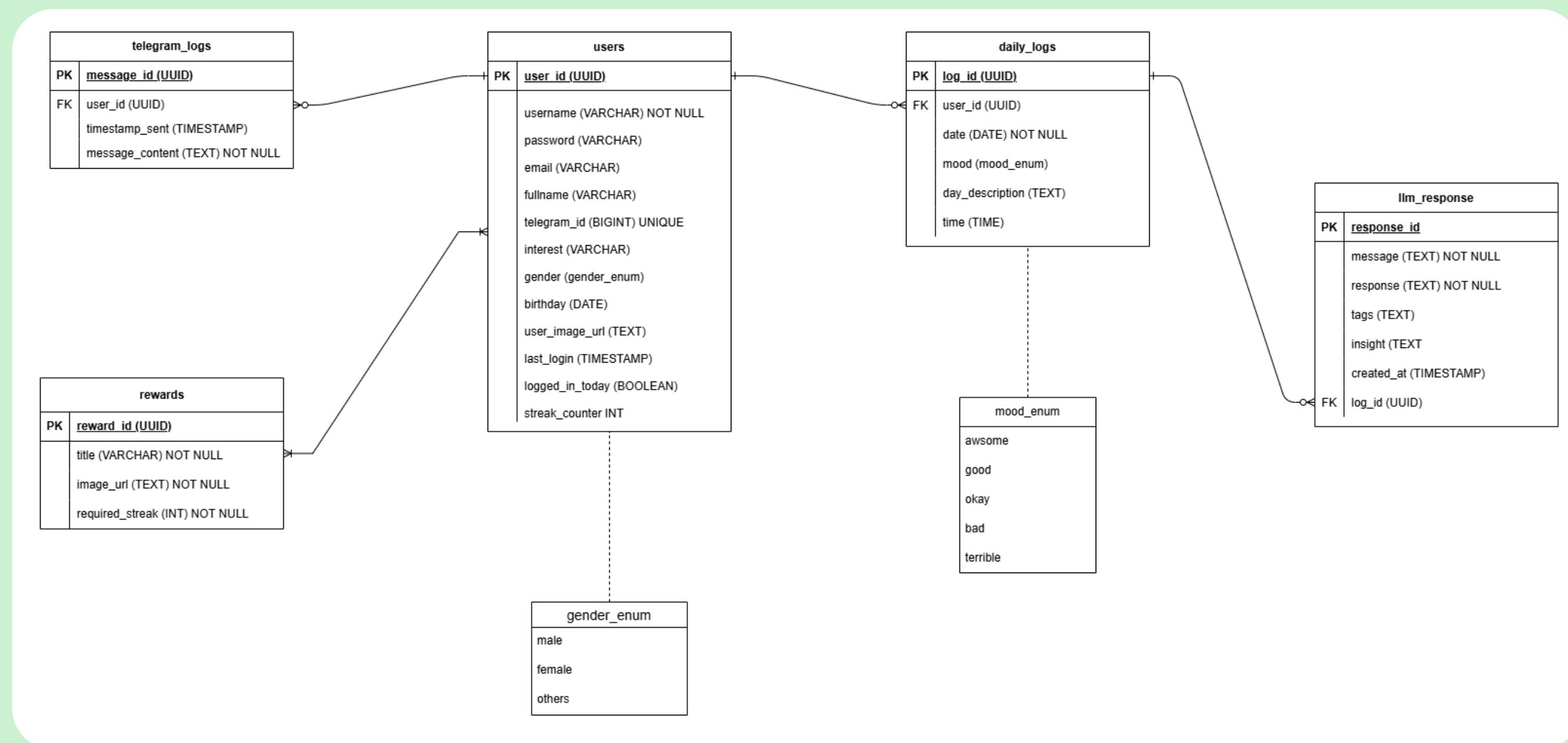
Introduction

YouMatter is a next-generation mood tracker web app that helps users monitor daily moods, get personalized activity suggestions, and stay motivated with streak rewards and reminders. Featuring a modern UI, seamless Telegram integration, and AI powered by OpenAI, it's designed as a daily companion for emotional well-being.

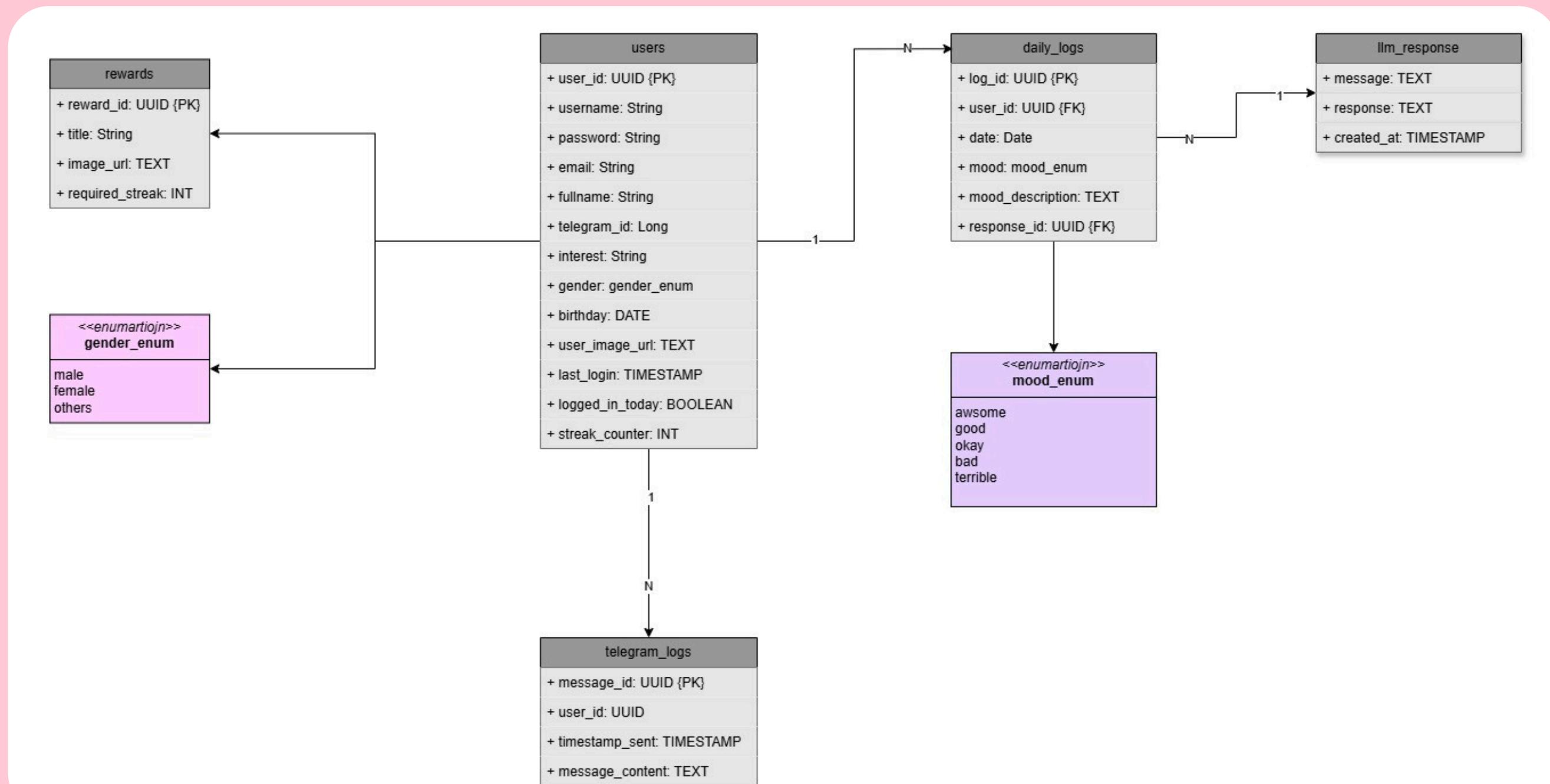
As a mental healthcare platform, YouMatter supports mental health by helping users build healthy habits, understand emotional patterns, and receive timely motivation. Using advanced technology and AI, it offers a safe space for reflection, growth, and proactive mental wellness.



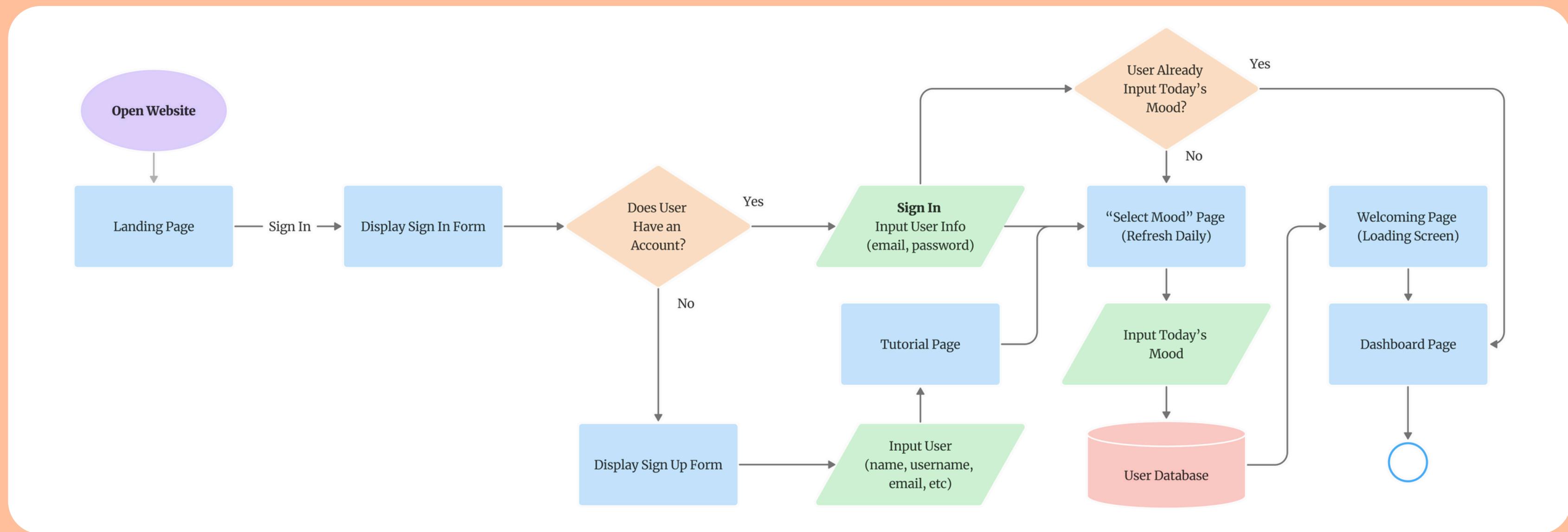
ERD



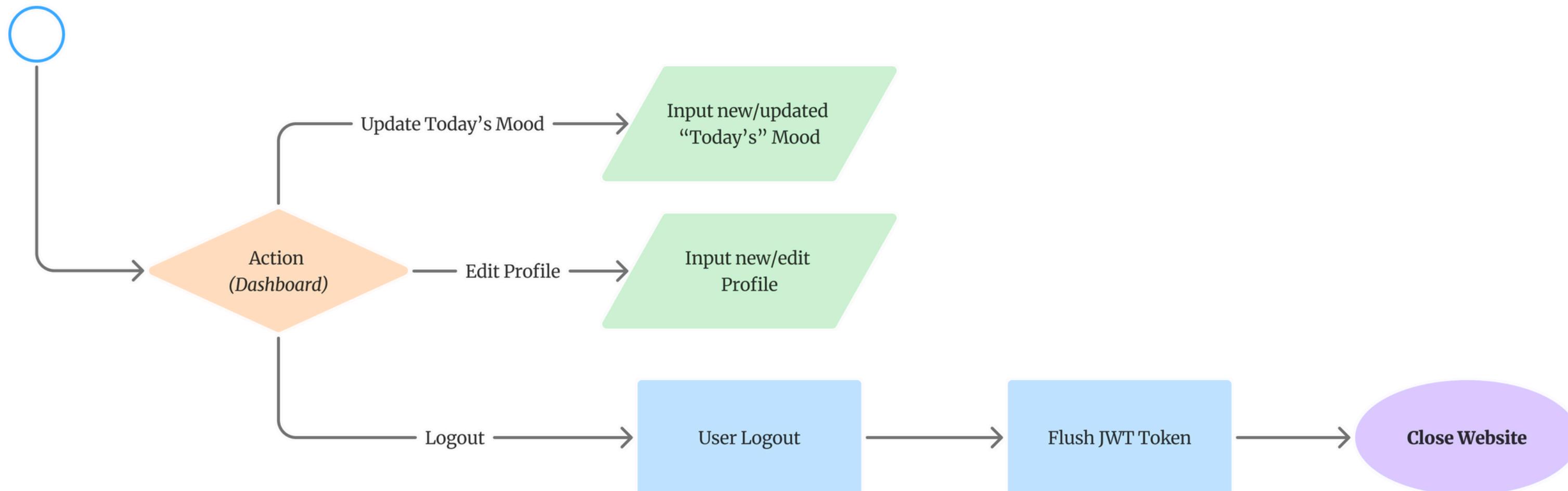
UML



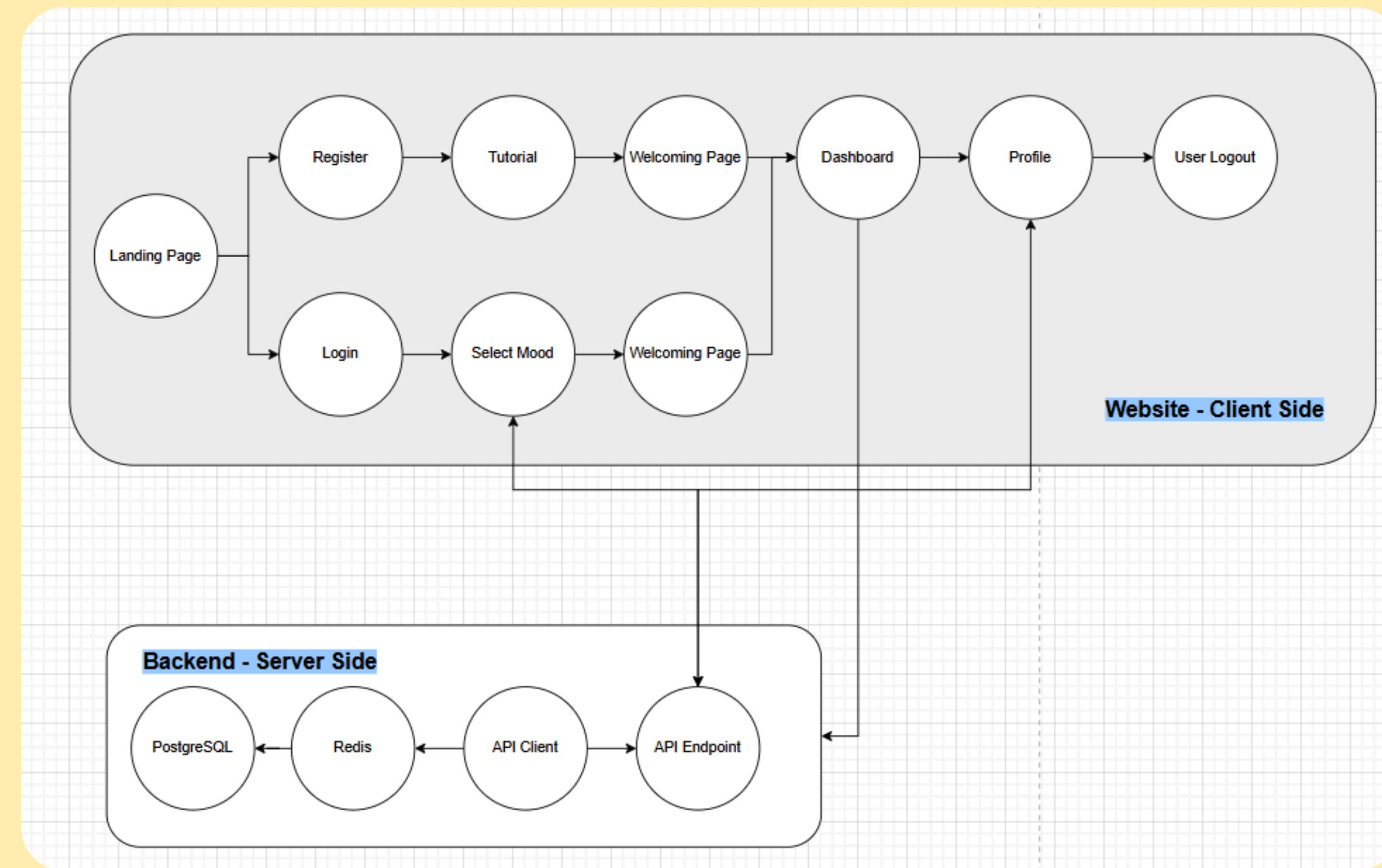
Flowchart (1)



Flowchart (2)



Database Scenario and Website



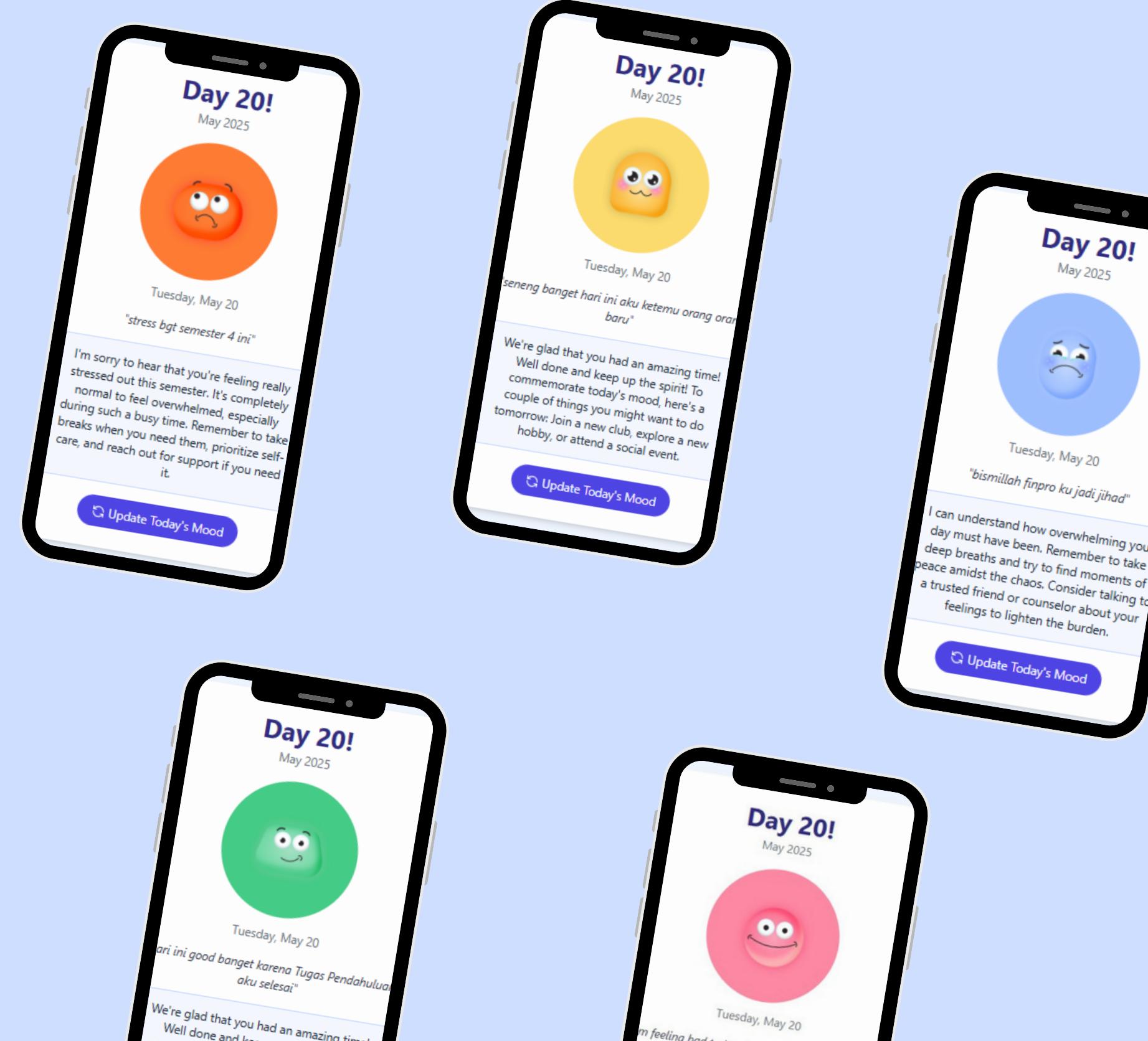
Main Features

1 Mood Insights and Analysis

YouMatter uses the OpenAI GPT API to analyze mood entries, detect emotional patterns, and provide personalized insights and affirmations for mindful self-tracking.

Personalized Daily Feedback

Provides tailored feedback, suggestions, and affirmations to boost emotional awareness and promote self-reflection.



Telegram Bot

2 YouMatter Bot

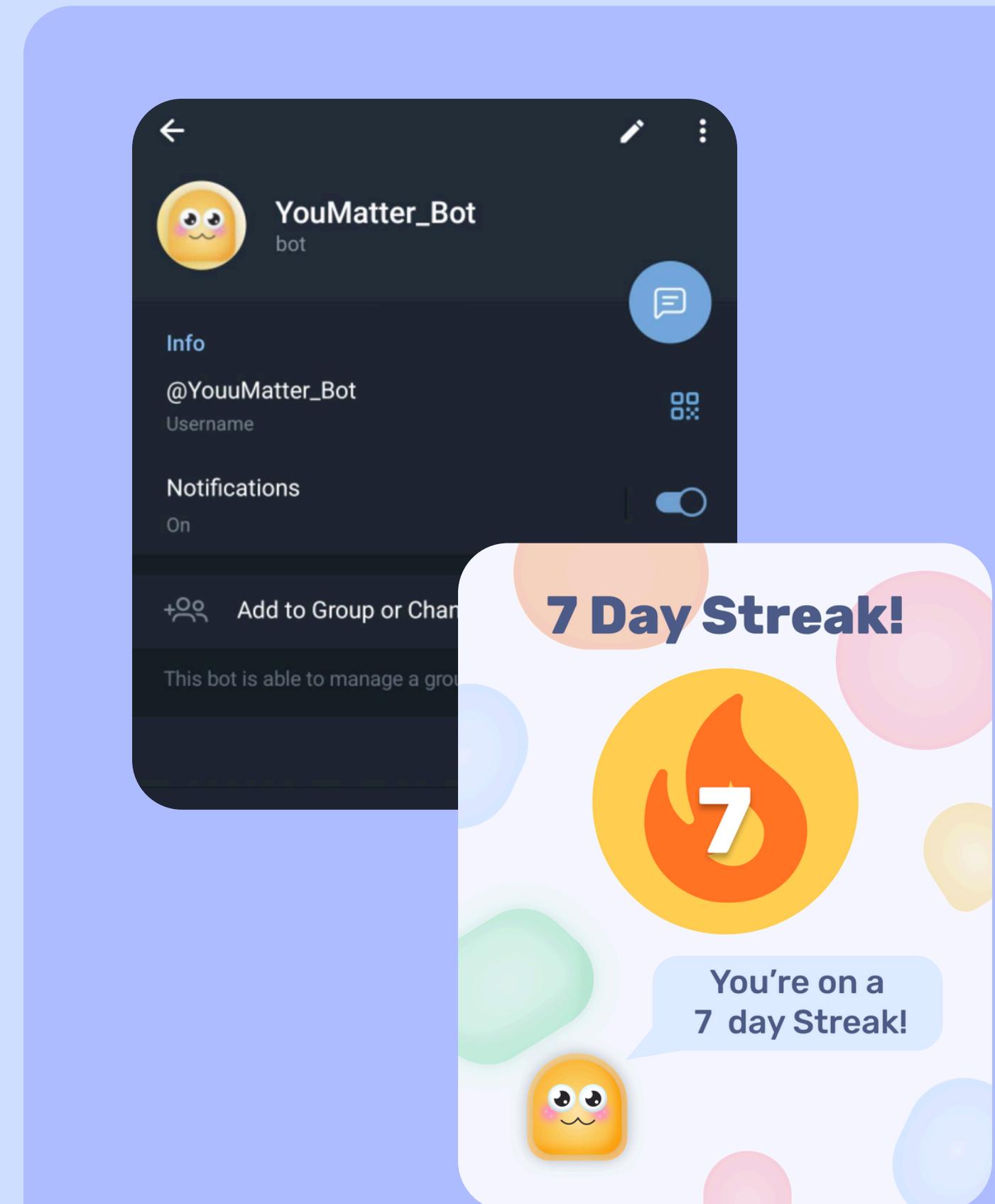
YouMatter's **Telegram Bot** delivers daily reminders and affirmations—keeping users engaged, motivated, and supported directly through chat.

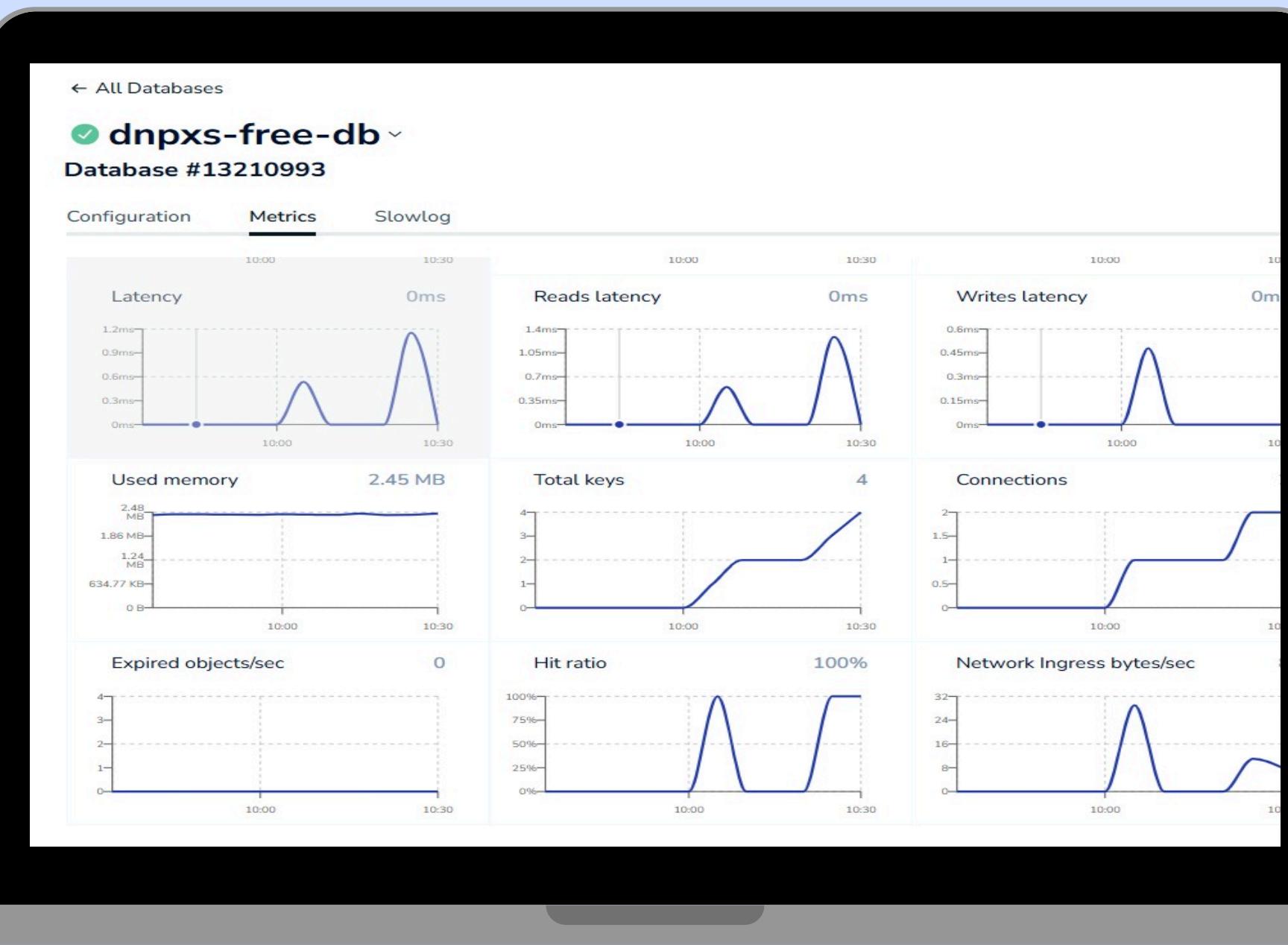
Daily Check-in! 🌟

Daily check-in reminders are sent via Telegram to keep users consistent and engaged.

Birthday Blessing 🎉

Personalized birthday wishes via Telegram, adding a warm touch to user's special day.





We use Redis

Redis is used as a high-speed in-memory cache to support key features like mood history, streak tracking, and user preferences.

By storing frequently accessed data, Redis reduces the need to query the main database (e.g., PostgreSQL), resulting in faster loading, smoother interactions, and a better overall user experience.

Our Databases

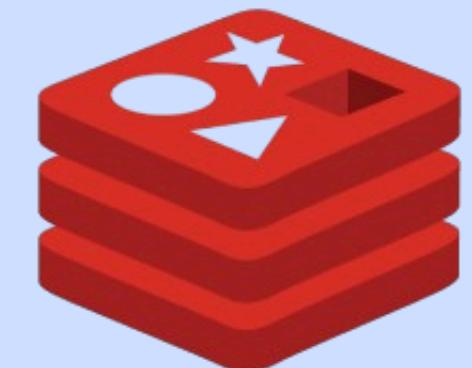
- **Node JS**

YouMatter uses a JavaScript runtime to power its fast, scalable backend –handling APIs, real-time mood tracking, and Telegram notifications through a non-blocking, event-driven architecture.



- **Redis**

Redis supports YouMatter by enabling low-latency caching for user sessions, mood entries, and real-time AI feedback, ensuring a fast and seamless experience.

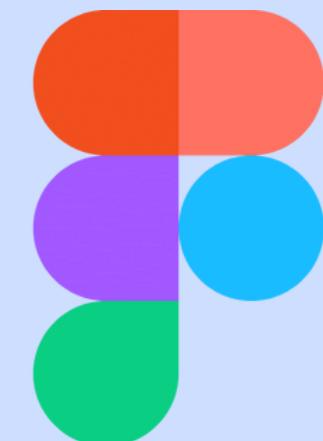
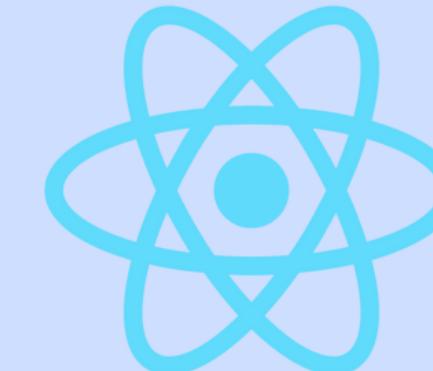
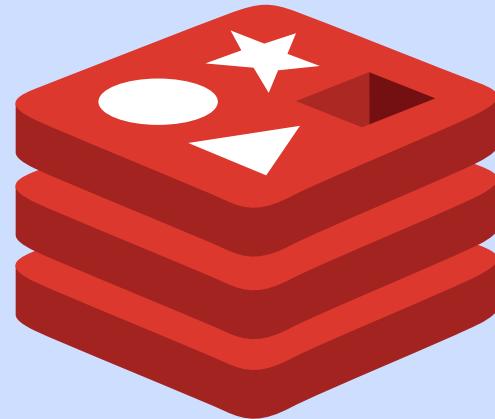


- **Postgre SQL**

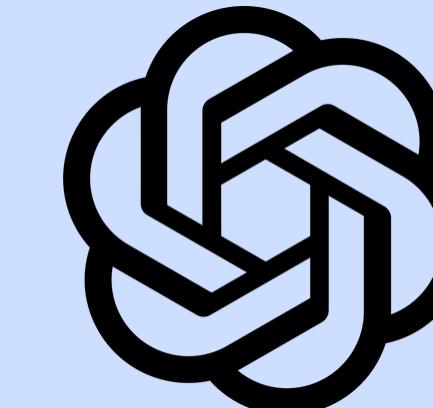
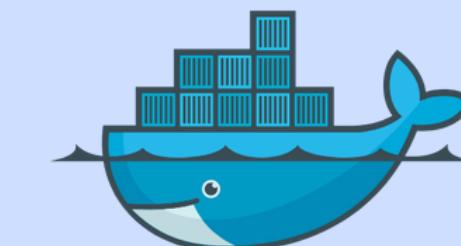
PostgreSQL powers YouMatter's scalable backend, enabling dynamic workloads from mood logs, AI feedback, and Telegram integration through its separation of compute and storage.



Our Tech Stack



 Alibaba Cloud



Advanced OpenAI Model

In application, ChatGPT 3.5 acts as the analytical layer of the mood tracker—processing free-form text inputs and translating them into meaningful emotional feedback for users.





Streak Rewards

Your Current Streak

1



Congratulations on your 1 streak!

Daily Check-In 📅🔔

Each time a user tracks their mood (e.g., submits a mood entry), it counts as a check-in for that specific day

Positive Reinforcement 😊

A congratulatory message appears to celebrate the current streak, motivating users to maintain daily mood tracking habits.

API Endpoints

User Routes

POST /login – User login with credentials
POST /register – Register a new user
GET /profile – Authenticated user's profile
PUT /profile – Update profile with image

Log Routes

POST / – Create new daily log
PUT /:id – Update existing daily log by ID
GET / – Get all logs for the authenticated user
GET /:id – Get specific log by ID
DELETE /:id – Delete log by ID

Reward Routes

GET / – List all rewards available
GET /user – Get user rewards
POST /send-milestone – Send milestone reward

Telegram Routes

POST /send – Send feedback to Telegram
POST /send-latest – Send latest feedback Telegram

High Security System



JSON WEB TOKEN

Uses JSON Web Token (JWT) for secure session management where backend authentication is strong and protected. Also includes extensive input validation to prevent malicious entries.



BCRYPT

bcrypt is a library used to securely hash passwords before storing them in the database. With bcrypt, the original password is never stored or transmitted directly, so if the database is compromised, user passwords remain protected.



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