



**YouMatter**  
Mood Tracker

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*Because,*

# YouMatter

## Final Project SBD

KELOMPOK 7

# Meet Our Developers



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*Frontend Engineer, Design*



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*Frontend Engineer, Design*

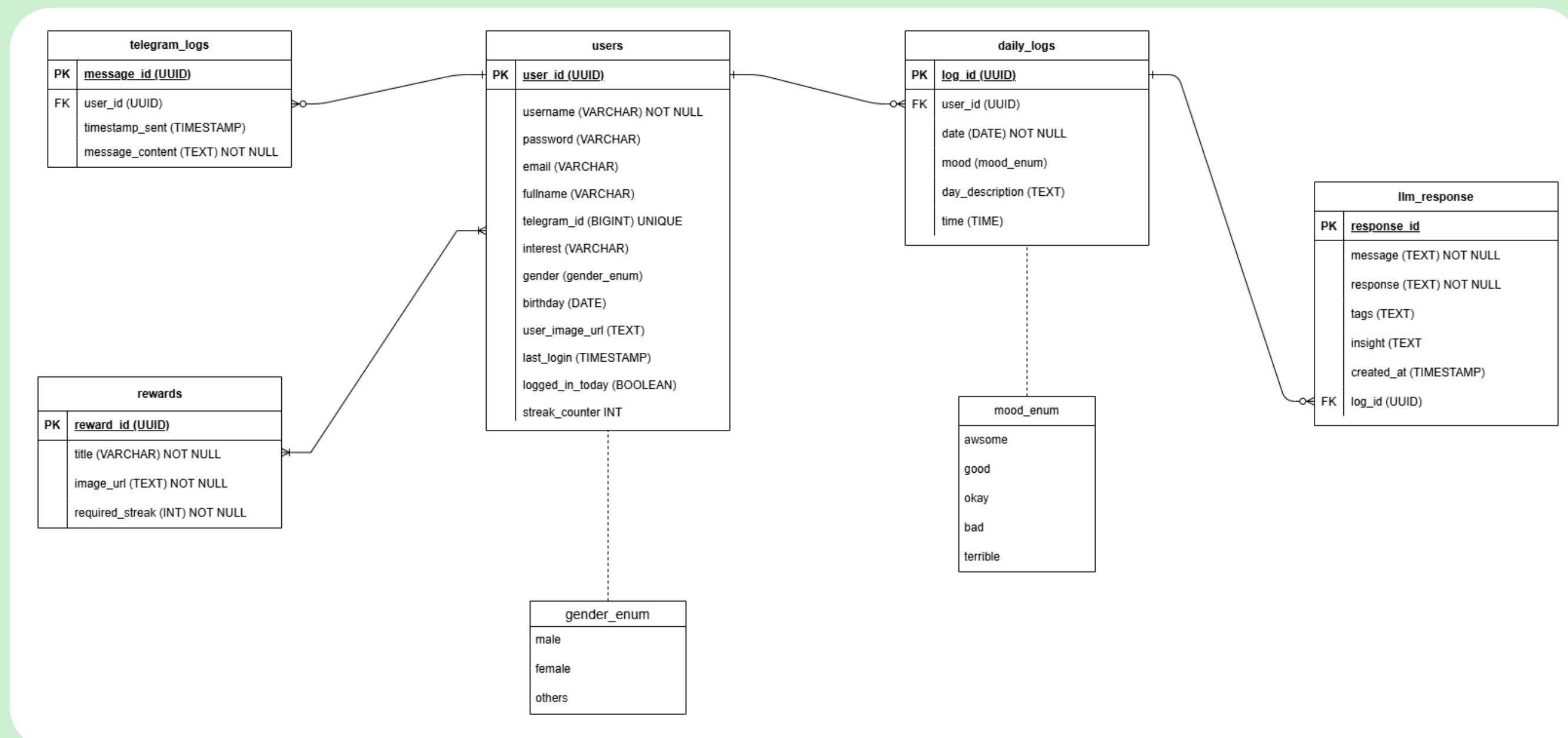
# Introduction

**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.

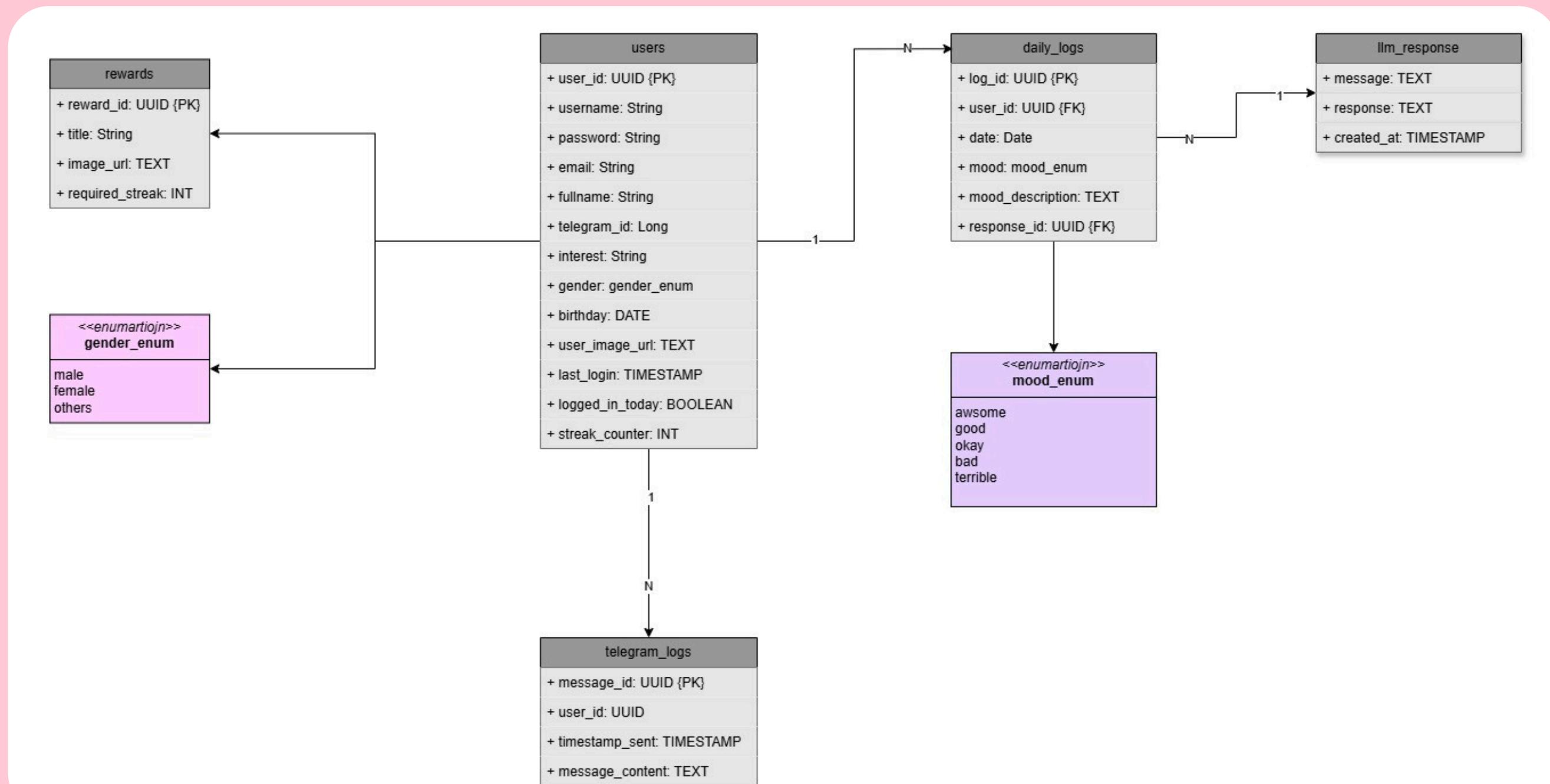
As a healthcare platform, YouMatter supports mental health by helping users build healthy habits, understand emotional patterns, and receive timely motivation. Using advanced technology and AI, it offers a safe space for reflection, growth, and proactive mental wellness.



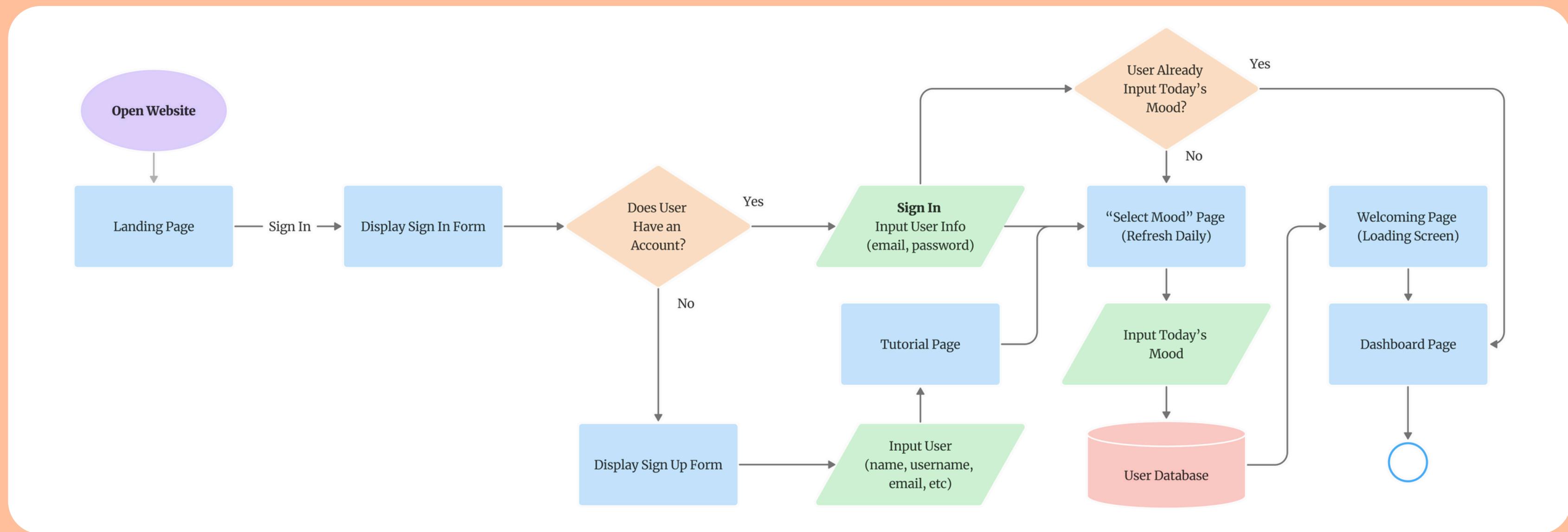
# ERD



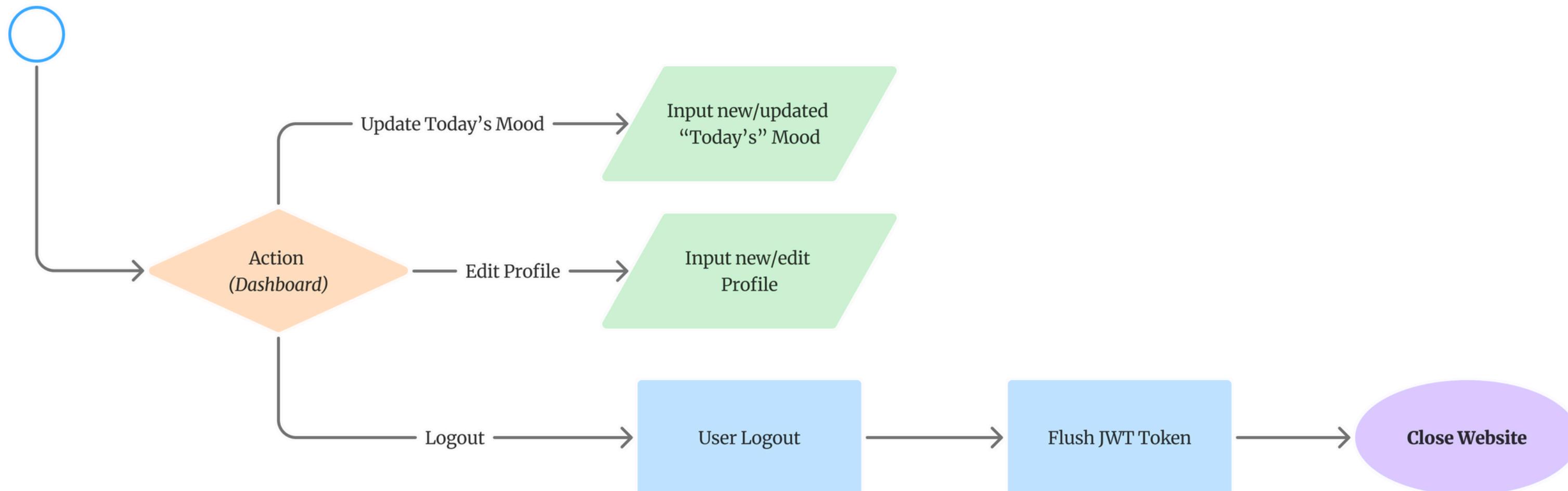
# UML



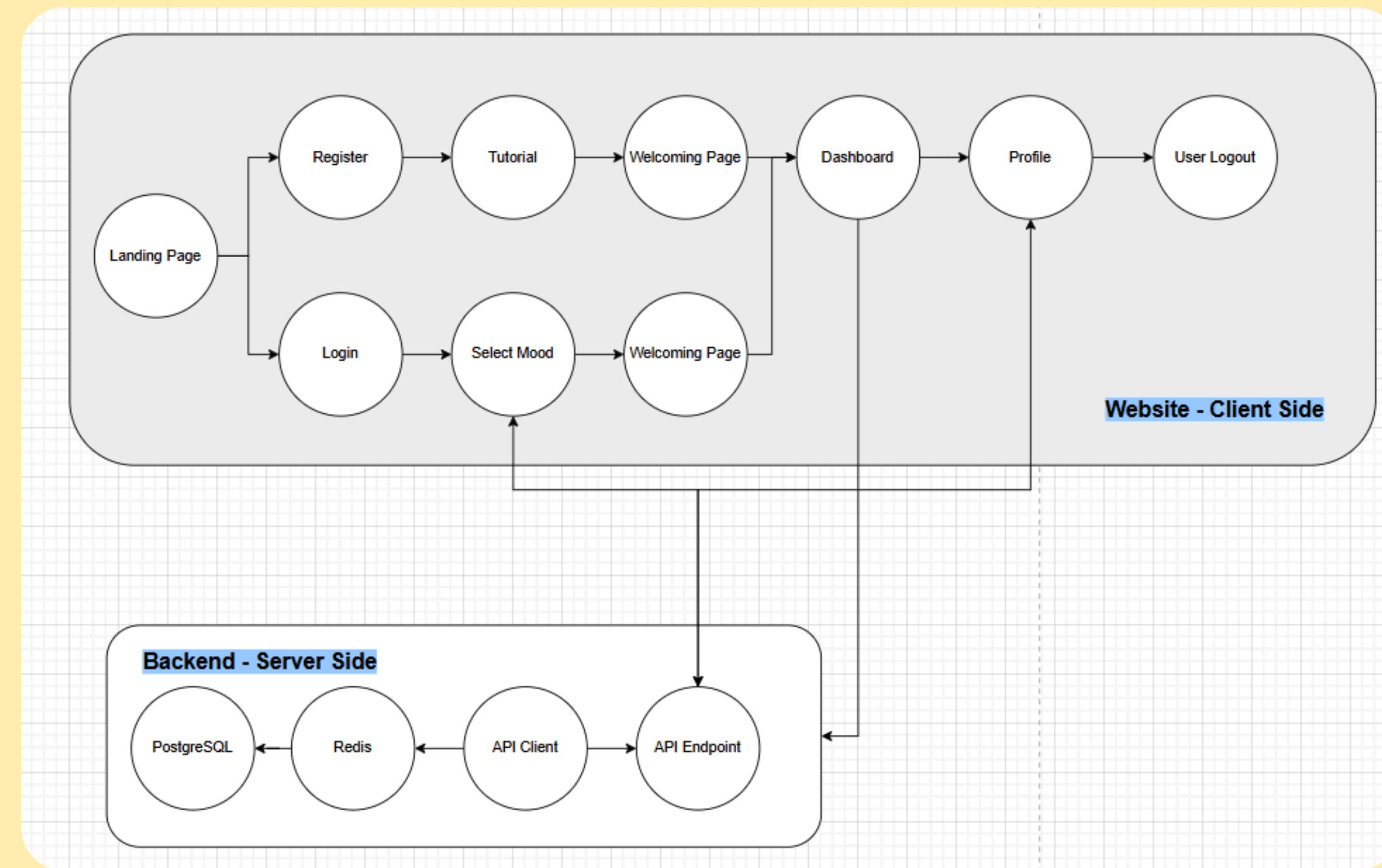
# Flowchart (1)



# Flowchart (2)



# Database Scenario and Website



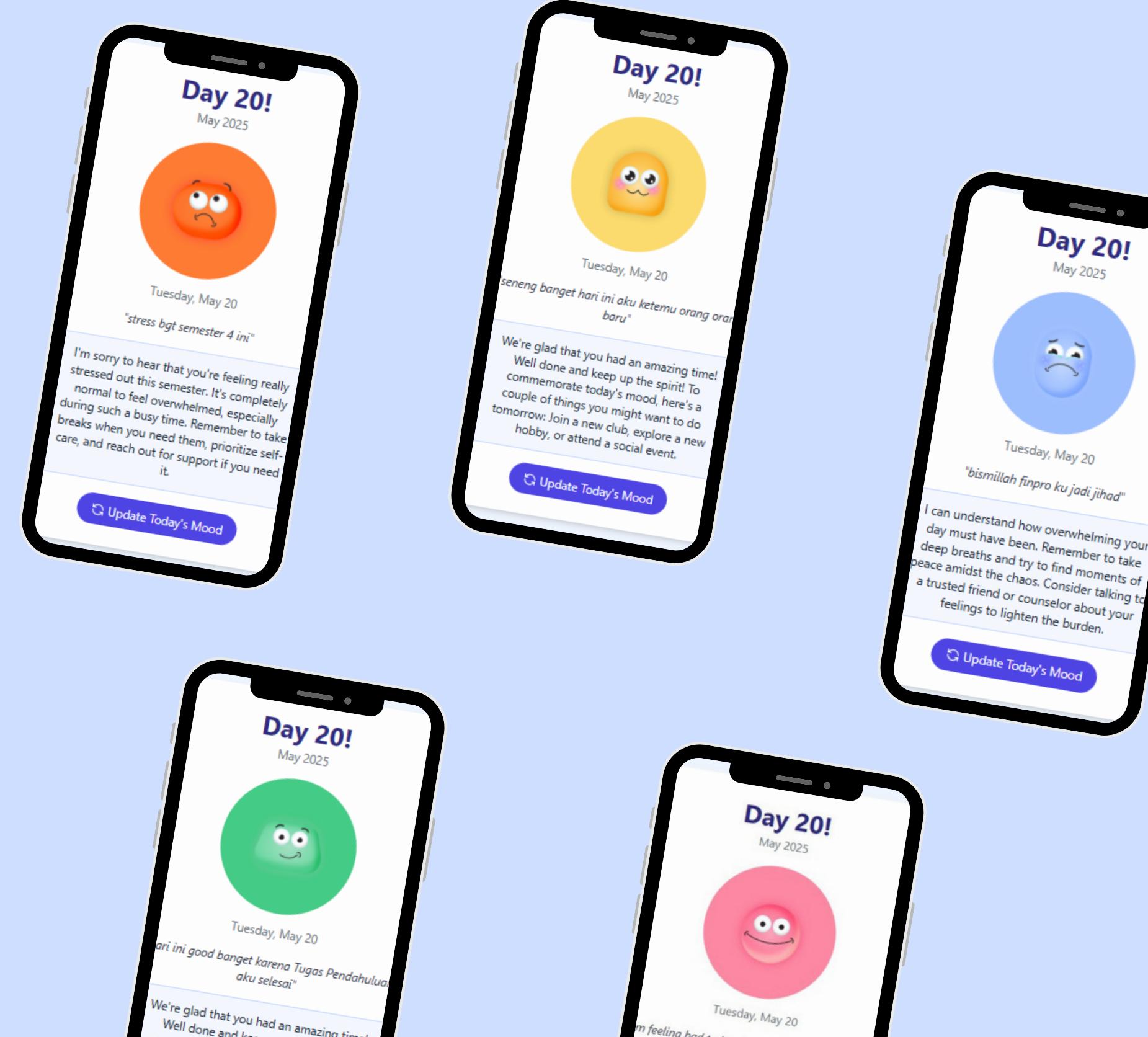
# Main Features

## 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

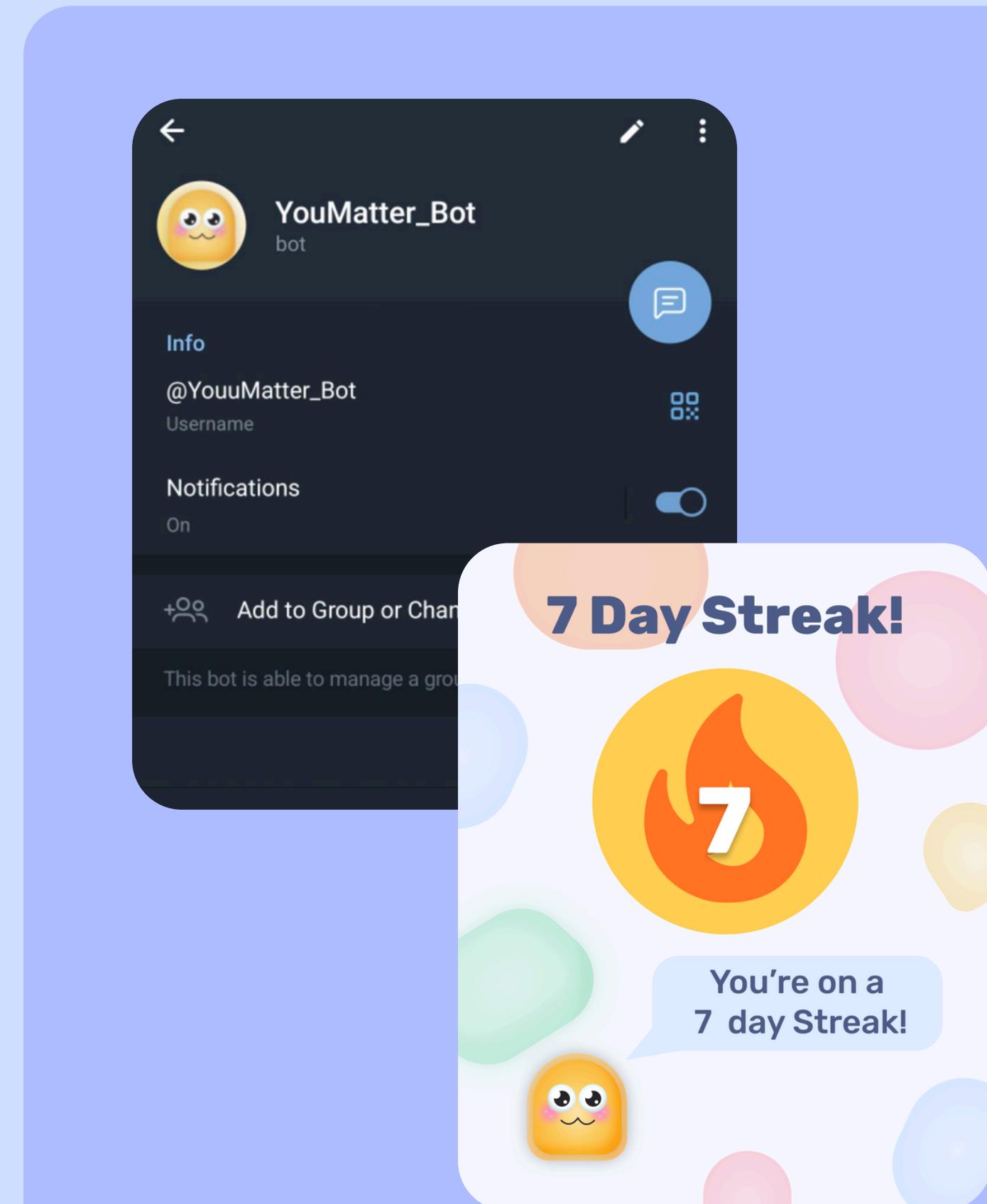
YouMatter's **Telegram Bot** delivers daily reminders and affirmations—keeping users engaged, motivated, and supported directly through chat.

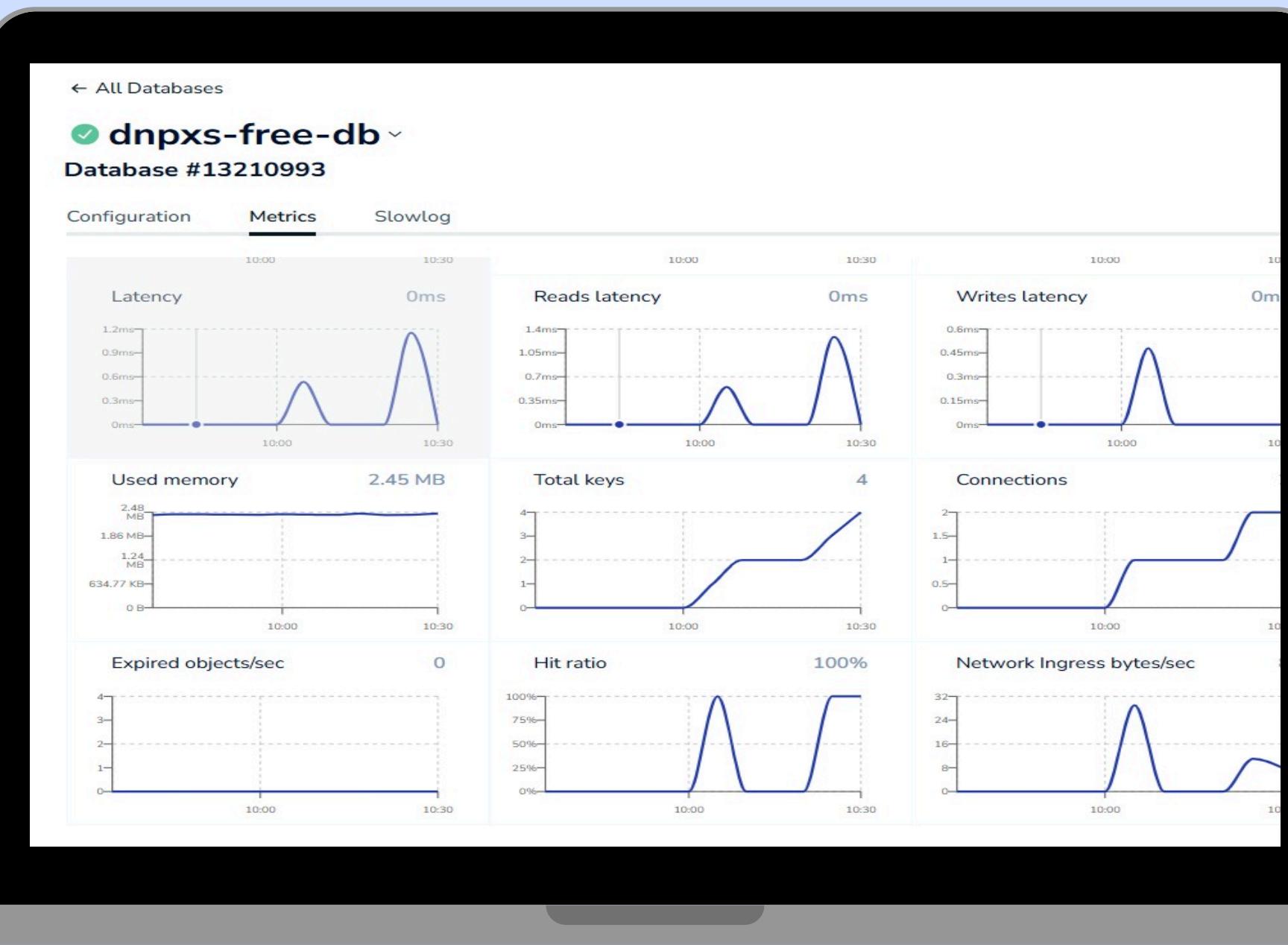
### Daily Check-in! 🌟

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

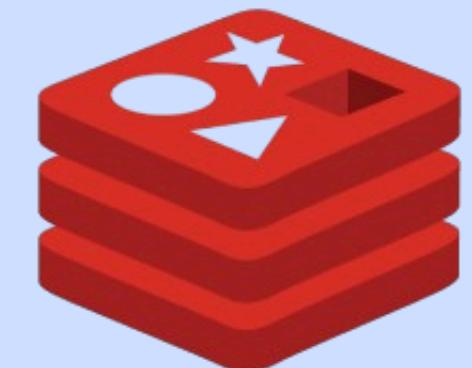
- **Node JS**

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.

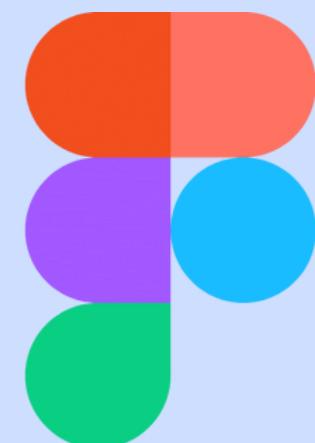
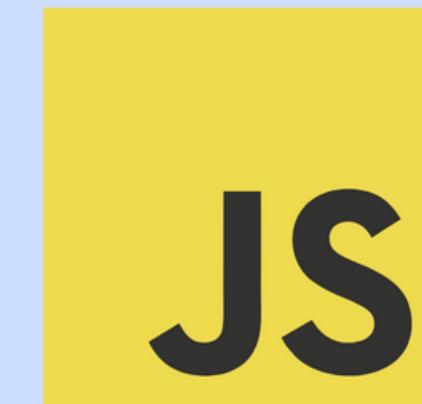
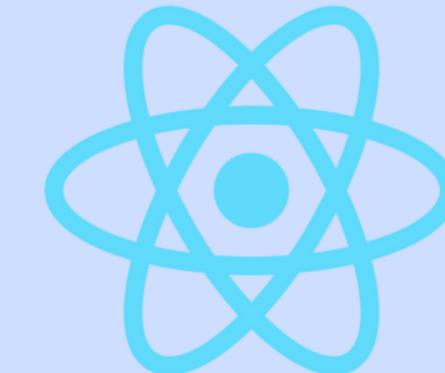
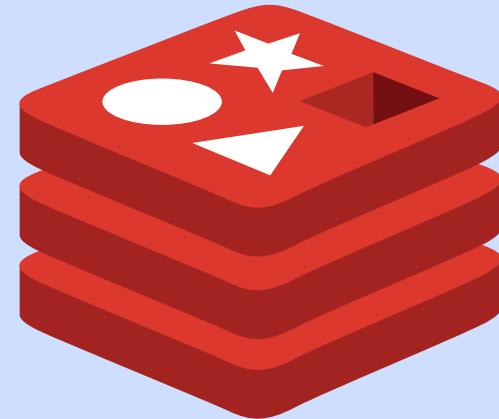


- **Postgre SQL**

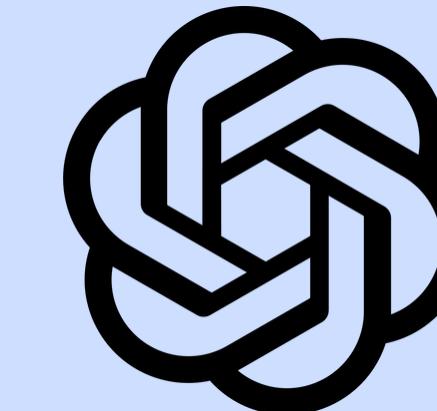
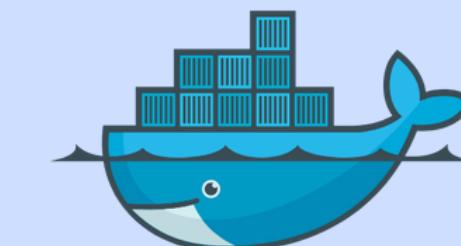
PostgreSQL powers YouMatter's scalable backend, enabling dynamic workloads from mood logs, AI feedback, and Telegram integration through its separation of compute and storage.



# Our Tech Stack

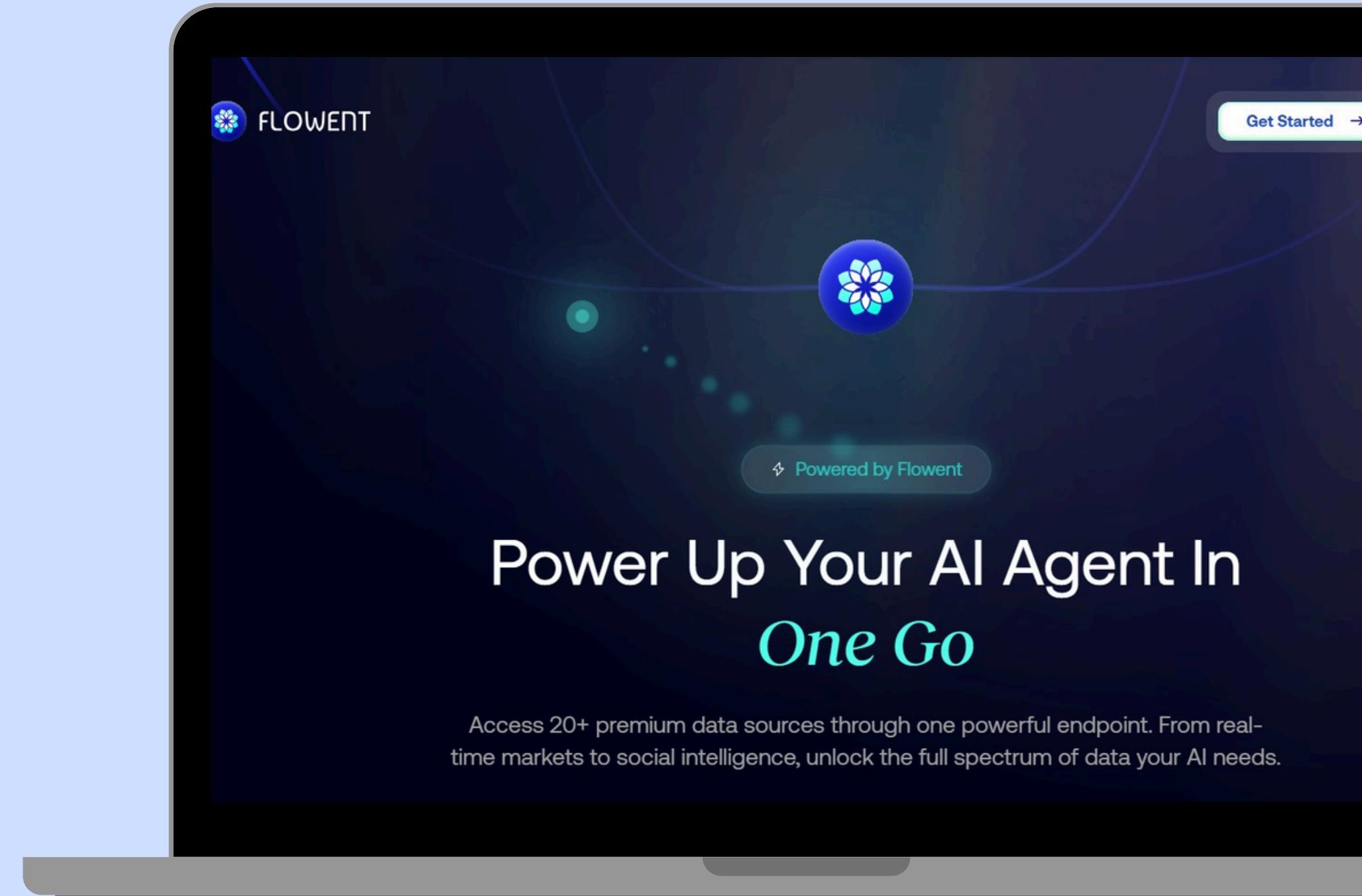


 Alibaba Cloud



# Advanced OpenAI Model

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



The image shows a screenshot of the Flowent AI Agent interface. At the top left is the Flowent logo (a blue flower icon) and the word "FLOWENT". At the top right is a "Get Started" button. In the center, there's a large blue flower icon. Below it, a green button says "Powered by Flowent". To the right of the flower, the text "Power Up Your AI Agent In One Go" is displayed in white and green. At the bottom, a dark banner contains the text "Access 20+ premium data sources through one powerful endpoint. From real-time markets to social intelligence, unlock the full spectrum of data your AI needs." in white.



# 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

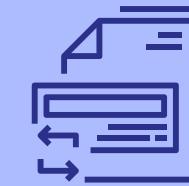
**POST /send-milestone** – Send milestone reward

## 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 and bcrypt for password hashing, ensuring backend authentication is strong and protected. Also includes extensive input validation to prevent malicious entries.



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