



Proyek Akhir SBD

MOOD MORI

Kelompok 4

Anggota Kelompok

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Apa itu MOOD MORI?

MOOD MORI adalah platform social-based emotion log yang membantu pengguna mencatat dan membagikan perjalanan emosional mereka. Aplikasi ini menggabungkan personal mood tracking dengan fitur sosial untuk membangun lingkungan yang mendukung kesehatan emosional.



Share Your Emotional Journey, Connect with Others



Key Features

Core Features

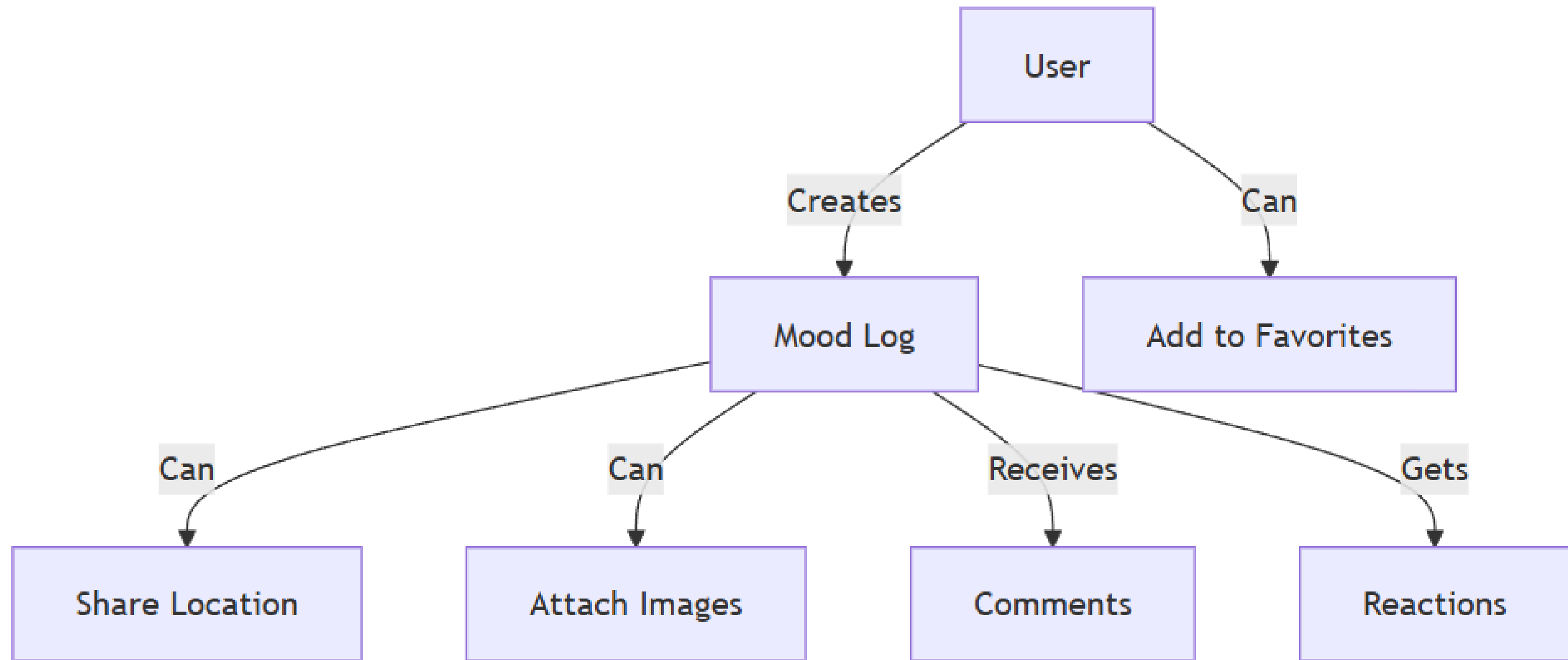
- **Emotion Logging:** Melacak dan memonitor keadaan emosional anda
- **Rich Dashboard:** Representasi visual dari mood patterns
- **Secure Auth:** Protected routes dan session management

Chat System

- Chat pribadi dengan image sharing
- Dukungan group chat
- Berbagi lokasi secara langsung (real-time)



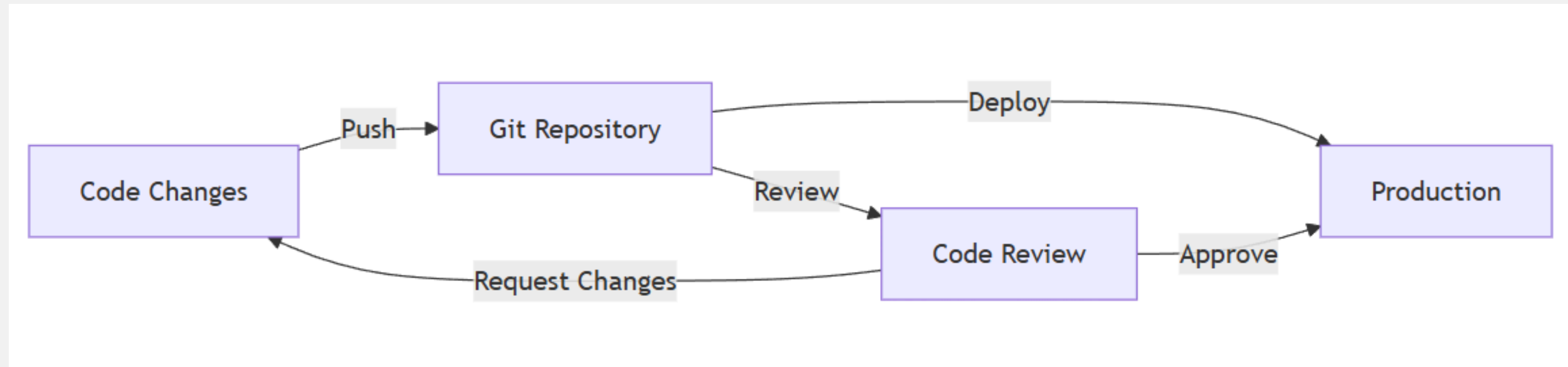
Social Features



Project Structure

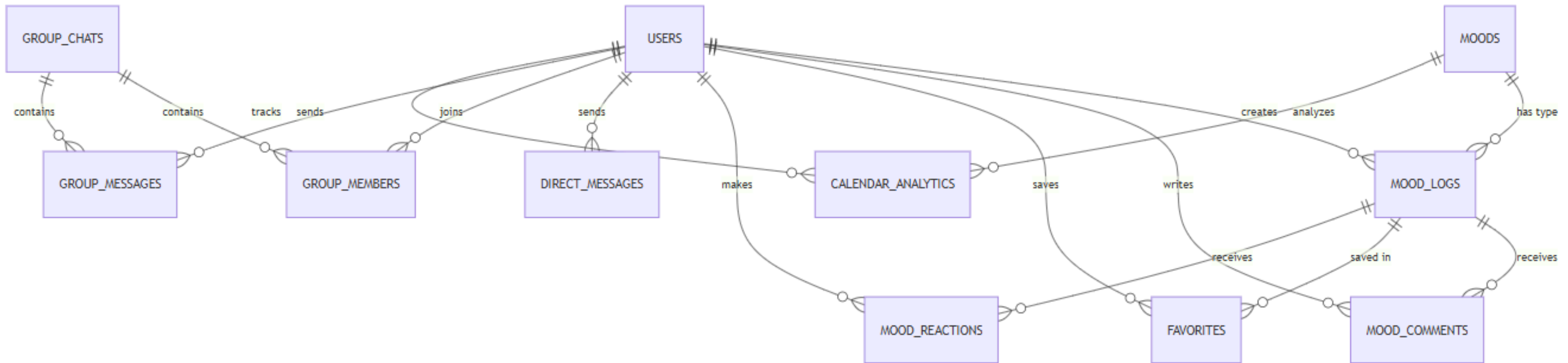
```
├── backend/
│   ├── src/
│   │   ├── controllers/      # Request handlers
│   │   ├── repositories/    # Database queries
│   │   ├── routes/          # API routes
│   │   ├── utils/           # Helper functions
│   │   └── database/        # Database connection
│   └── index.js              # Entry point
└── frontend/
    ├── src/
    │   ├── api/              # API configurations
    │   ├── components/      # Reusable UI components
    │   ├── pages/           # Application views
    │   └── assets/          # Static resources
    └── index.html
```

Development Workflow



Database Architecture

Entity Relationship Diagram



Core Entities

Users

```
CREATE TABLE users (  
  id SERIAL PRIMARY KEY,  
  username VARCHAR(50) UNIQUE NOT NULL,  
  email VARCHAR(100) UNIQUE NOT NULL,  
  password_hash TEXT NOT NULL,  
  profile_picture TEXT,  
  location TEXT,  
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```











Moods

```
CREATE TABLE moods (  
  id SERIAL PRIMARY KEY,  
  mood_name VARCHAR(30) UNIQUE NOT NULL,  
  icon TEXT,  
  color VARCHAR(10)  
);
```

Mood Logs

```
CREATE TABLE mood_logs (  
  id SERIAL PRIMARY KEY,  
  user_id INTEGER REFERENCES users(id),  
  mood_id INTEGER REFERENCES moods(id),  
  note TEXT,  
  location TEXT,  
  image_url TEXT,  
  is_public BOOLEAN DEFAULT FALSE,  
  log_date DATE DEFAULT CURRENT_DATE,  
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

Pilihan mood dengan representasi visualnya

Mood Name	Icon	Color
HAPPY		#FFD700
SAD		#6495ED
ANGRY		#FF4500
AFRAID		#9370DB
NEUTRAL		#A9A9A9
MANIC		#FF1493
DEPRESSED		#4682B4
FURIOUS		#DC143C
TERRIFIED		#800080
CALM		#20B2AA

Social Features

Mood Comments

```
CREATE TABLE mood_comments (  
  id SERIAL PRIMARY KEY,  
  mood_log_id INTEGER REFERENCES mood_logs(id),  
  user_id INTEGER REFERENCES users(id),  
  content TEXT NOT NULL,  
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

Favorites

```
CREATE TABLE favorites (  
  id SERIAL PRIMARY KEY,  
  user_id INTEGER REFERENCES users(id),  
  mood_log_id INTEGER REFERENCES mood_logs(id),  
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

Mood Reactions

```
CREATE TABLE mood_reactions (  
  id SERIAL PRIMARY KEY,  
  mood_log_id INTEGER REFERENCES mood_logs(id),  
  user_id INTEGER REFERENCES users(id),  
  is_like BOOLEAN NOT NULL,  
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

Chat System

Direct Messages

```
CREATE TABLE direct_messages (  
  id SERIAL PRIMARY KEY,  
  sender_id INTEGER REFERENCES users(id),  
  recipient_id INTEGER REFERENCES users(id),  
  content TEXT NOT NULL,  
  location TEXT,  
  is_read BOOLEAN DEFAULT FALSE,  
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

Group Members

```
CREATE TABLE group_members (  
  id SERIAL PRIMARY KEY,  
  group_id INTEGER REFERENCES group_chats(id),  
  user_id INTEGER REFERENCES users(id),  
  joined_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

Group Chats

```
CREATE TABLE group_chats (  
  id SERIAL PRIMARY KEY,  
  name VARCHAR(100) NOT NULL,  
  creator_id INTEGER REFERENCES users(id),  
  description TEXT,  
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

Group Messages

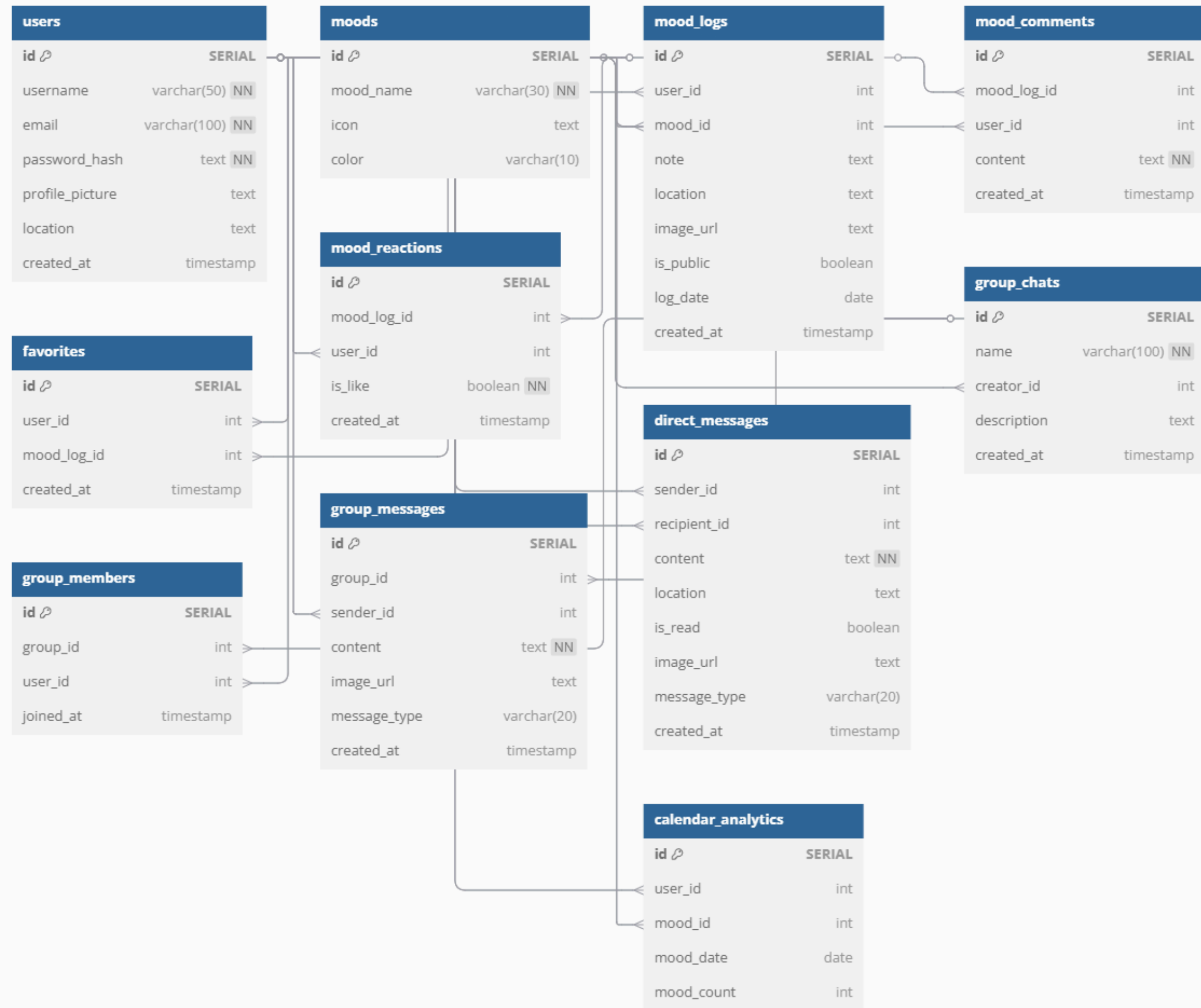
```
CREATE TABLE group_messages (  
  id SERIAL PRIMARY KEY,  
  group_id INTEGER REFERENCES group_chats(id),  
  sender_id INTEGER REFERENCES users(id),  
  content TEXT NOT NULL,  
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

Analytics

Calendar Analytics

```
CREATE TABLE calendar_analytics (  
    id SERIAL PRIMARY KEY,  
    user_id INTEGER REFERENCES users(id),  
    mood_id INTEGER REFERENCES moods(id),  
    mood_date DATE,  
    mood_count INTEGER DEFAULT 1  
);
```

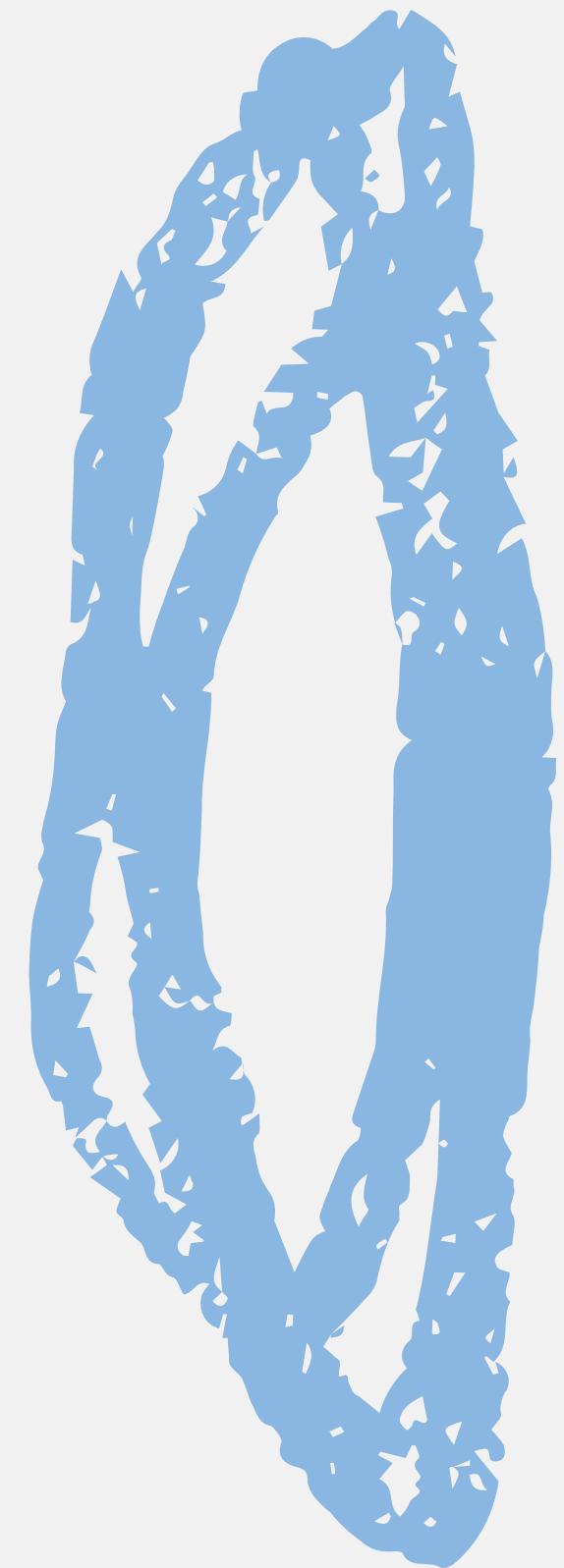
UML



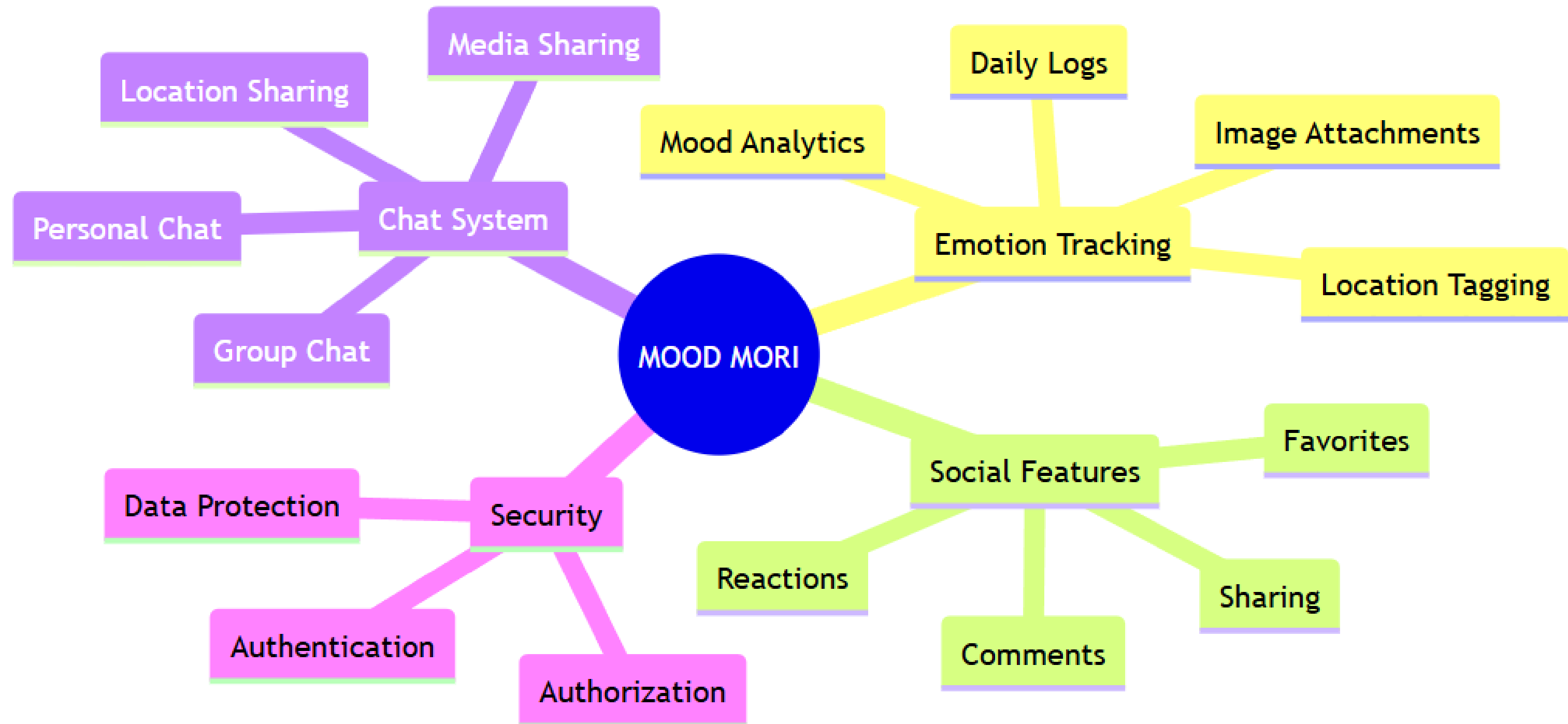
Database Optimization

Database ini dioptimalkan dengan indeks pada kolom yang sering diakses

- Mood logs: user_id, mood_id, is_public, log_date
- Reactions: mood_log_id, user_id
- Messages: sender_id, recipient_id
- Group messages: group_id
- Favorites: user_id, mood_log_id
- Comments: mood_log_id, user_id



Application Features





Features Overview

Emotion Logging

- Membuat dan melacak daily mood entries
- Menambahkan konteks dan catatan pada mood logs
- Melihat history dari pola mood
- Menambahkan gambar ke mood entries

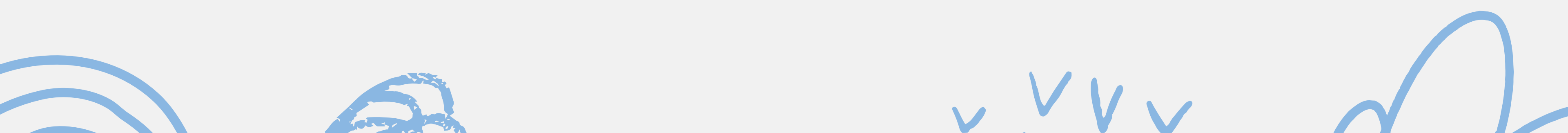
Chat System

- Message pribadi dan grup secara real-time
- Image sharing dalam chat
- Fitur berbagi lokasi
- Pengelolaan group chat

Social Features

- Membuat dan bergabung grup
- Menambahkan postingan ke favorites
- Memberi comment pada mood logs
- Kustomisasi user profile

Security Features

- Autentikasi yang aman
 - Rute terlindungi
 - Manajemen sesi
 - Validasi upload file
- 

The background is a light gray color, decorated with various hand-drawn blue doodles. These include several overlapping circles and ovals at the top, a series of concentric arcs at the bottom left, a wavy line at the bottom center, and several small 'v' shapes at the bottom right. On the far right edge, there are some vertical blue strokes.

**Terima
Kasih!**