MVP Backend Requirements (GraphQL, Express, Node, MongoDB)

1. User Authentication (JWT)

- **Schemas:**

  - `User`: `{ _id, username, email, passwordHash, createdAt }`

- **Mutations:**

  - `registerUser(username, email, password)`

  - `loginUser(email, password)` → returns JWT

- **Middleware:**

  - JWT verification for all `/dashboard`, `/tracker`, `/journal` routes

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2. Mood Tracker

- **Schema:**

  - `MoodEntry`: `{ _id, userId, date (unique), mood, notes }`

- **Mutations:**

  - `createMoodEntry(date, mood, notes)`

  - `updateMoodEntry(entryId, mood, notes)`

- **Queries:**

  - `getMoodEntries(userId)` → grouped by month

  - `getMoodEntryByDate(userId, date)`

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3. Journal System

- **Schemas:**

  - `JournalEntry`: `{ _id, userId, title?, content, date, constellationId }`

- Constellation: `{ _id, userId, name, createdAt, journalEntries[] }`

- **Mutations:**

  - `createJournalEntry(date, content, constellationId)`

  - `updateJournalEntry(entryId, content)`

  - `createConstellation(name)`

- **Queries:**

  - `getConstellations(userId)`

  - `getJournalEntries(userId)`

  - `getJournalEntry(entryId)`