

Spotify Vibe Journal — MVP PRD

1) Project Overview

A lightweight web app that lets people **log the vibe they feel while listening to music**. It connects to Spotify to pull the current track, then captures a **short mood note + emoji** and saves it to a personal timeline. Over time, users can browse their vibe history and see simple mood + music patterns.

Core value: Turn fleeting listening moments into a simple, meaningful journal. Zero-pressure, two taps, done.

North Star Metric: # of vibe entries per week per active user.

2) Skills Required

Beginner-friendly stack (optimized for Replit): - **Frontend:** React (Vite) or plain React on Replit for UI (Capture screen, Timeline, Insights). - **Backend:** Node.js with Express for API routes (Spotify OAuth, fetch now playing, save entries). - **Database:** SQLite (easy local setup on Replit) or Supabase for hosted persistence. - **Auth:** Spotify OAuth (Authorization Code flow with refresh tokens). - **Other skills:** Basic understanding of HTTP requests, JSON APIs, environment variables (.env), and Git for version control.

3) Key Features (MVP)

F1. Spotify Authentication (OAuth)

- Log in with Spotify.
- Store access + refresh tokens securely.
- Auto-refresh tokens in background.

F2. Now-Playing Fetch

- Display current track (title, artist, album art).
- Handle empty state when no track is playing.

F3. Vibe Capture

- Choose emoji from preset palette.
- Add optional short note (≤ 80 characters).
- Save entry with timestamp + track metadata.

F4. Timeline & Filters

- Scrollable list of saved entries (newest → oldest).
- Filters by emoji or artist.
- Empty state messaging.

F5. Weekly Recap (Basic Insights)

- Show most logged mood, artist, and total entries.
- Simple card pinned at top of Timeline.

F6. Settings

- Profile view (Spotify display name + avatar).
 - Export entries as JSON.
 - Sign out (clear session).
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4) Recommended for Replit MVP Build

- Start with **Node.js + Express** (Replit template) for backend.
 - Use **React** client served from Replit or connect via proxy.
 - Store secrets (Spotify client ID/secret) in `.env`.
 - Use SQLite (file-based DB works well for MVP on Replit).
 - Milestone-driven build plan:
 - Day 1: Setup Spotify OAuth, get Now Playing endpoint working.
 - Day 2: Capture UI + emoji picker.
 - Day 3: Save entries to SQLite.
 - Day 4: Timeline + filters.
 - Day 5: Weekly recap + export.
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5) Optional (for smoother iteration)

- **UI Libraries:** TailwindCSS for quick styling.
 - **Testing:** Simple manual QA in browser, console logs.
 - **Deployment:** Keep inside Replit for MVP; consider Vercel/Netlify later.
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6) Open Questions

- Should emoji palette be fixed (5–6 emojis) or customizable in MVP?
- Do we allow longer notes (>80 chars) or keep it minimal for micro-journaling?
- Should the recap be weekly only or also monthly?