

GooseChase – Discover Music Differently

A smart, swipe-based music recommendation experience designed to revolutionize how you find your next favorite song.

Project Number: 15006708

Created by: Omri Levi, Shiraz Khalpari and Amir Sofer

Supervisor: Sarel Cohen



Why Music Discovery Is Broken

Music discovery today is overwhelming and not personal enough.

Users are flooded with recommendations that often don't reflect their personal mood or emotional state

There's no good way to express things like: *"I want to listen to something chill but not sad"* or *"I'm feeling romantic but not slow."*



Target Audience

GooseChase is designed for everyone who enjoys music and seeks better discovery methods.

- 1 Casual listeners wanting fun, mood-based recommendations.
- 2 Students and young adults familiar with swipe-based apps
- 3 Emotionally-driven users choosing songs by current feelings.



Our Solution



Liked Songs

Starting point with user's favorite tracks from Spotify



Emotional Swipe

User swipes to express feelings about song preview



Profile Updated

Personal taste model refined with swipe data



AI Powered recommendations

AI generates new recommendations fitting mood & history



New Songs Shown

User receives personalized, mood-based songs



Live Demo?



Architecture Overview



Frontend

Built with react. Handles swiped gestures and user interactions



Backend

Node.js + Express + TypeScript

Manages routing, Spotify, OpenAI integrations



Database

SQLite & Prisma ORM

Stores user data, swipes, and story



FastAPI Python

Will handle complex analysis, later will host ML models and feedback interpretation logic



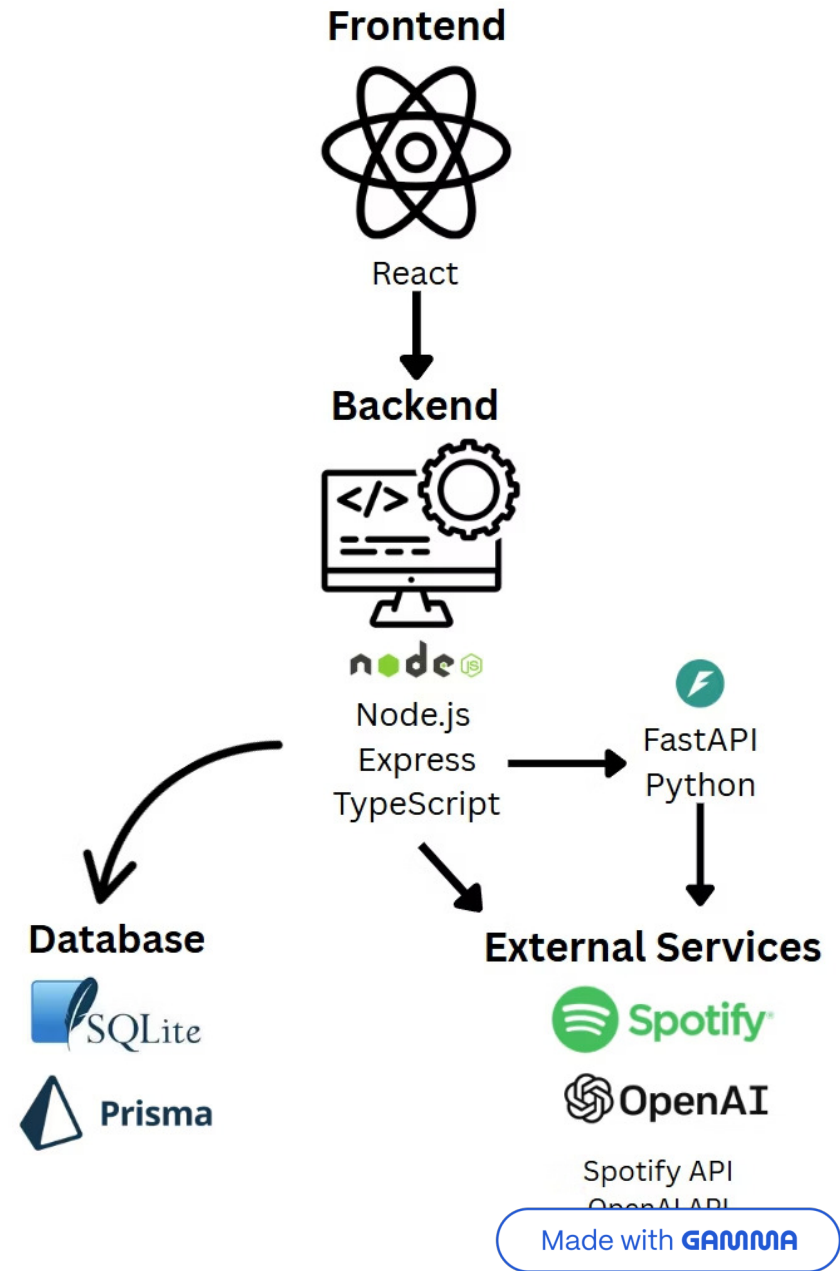
Spotify API

Fetches users backstory, songs metadata and previews



OpenAI API

Generates recommendations based on user profile data



Alternative Solutions & Our Edge

Existing Approaches

- Spotify's "Discover Weekly" and others playlist based engines rely on listening history. They often miss current emotional needs.
- Mood apps require manual mood selection. Many are designed for business only.
- Generic algorithms lack true personalization.

Our Unique Advantage

- Emotion-first discovery via intuitive swipes. No tedious and boring dropdowns or sliders.
- AI-generated recommendations adapt dynamically. Personalized to evolving emotional taste.
- Real-time feedback determines future suggestions. Swipes directly influence results.

What's Next: Our Product Roadmap

Core System Enhancement

Integrate ML for emotional profiling. Add contextual data like weather and location to build a better user story and recommendations system.



Market Readiness & Launch

Refine mobile UX and visual polish. Add Apple Music support if time permits.

Expanded User Experience

Smarter OpenAI prompts using combined data (swipes + context + history). Add the option to save songs to your Spotify library through the app

Thank You!

