

Jukeboxd Final Report

Eric Chtilianov, Alex Chen, William
Armentrout, Ethan Dietrich

Introduction: What is Jukeboxd?

Jukeboxd is a social music discovery platform inspired by Letterboxd but designed for music lovers. It enables users to share insights, review tracks and albums, and connect through niche music communities. Our motivation stems from the fragmented nature of music discussions across social media, where there is no centralized space dedicated to meaningful music discourse.

With the rise of streaming services like Spotify, users have access to an overwhelming amount of music, but discovering music that aligns with personal taste remains a challenge. Jukeboxd addresses this gap by offering a structured yet interactive space for users to explore, discuss, and curate music experiences.

What is Jukeboxd? Final Report

Overall we believe that we achieved the majority of what we set out to achieve with Jukeboxd, but we did fall short in achieving the final sprint. While Jukeboxd remains a place to create reviews, playlists, and share them with friends, due to not accomplishing the 4th sprint there are no personalized recommendations for each individual users.

However as a whole we think the project was a success.

Customer Value

Target Customer:

Music lovers, critics, and casual listeners lack a centralized platform for discovering, reviewing, and discussing music in a meaningful way. While platforms like Spotify offer algorithmic recommendations, they do not foster community-driven music exploration.

Target Audience

- Music enthusiasts who enjoy discovering and sharing music
- Casual listeners looking for recommendations from trusted sources
- Independent artists who want to engage with a music-focused community
- Critics and bloggers who analyze music and trends

Customer Value

Why This Matters:

Jukeboxd will provide a space where users can:

- Share in-depth reviews and opinions on music
- Find personalized recommendations based on real user interactions
- Build and engage with music communities beyond algorithmic curation

Customer Value Final

What Changed

- We had to scrap the personalized recommendation features due to the extra time that was needed in setting up the database for the project

Proposed Solution & Technology

Solution Overview

From the user's perspective, Jukeboxd will deliver:

- A social platform to log, rate, and review music
- Personalized recommendations using AI-driven categorization
- Community-driven music discovery via user-generated lists and discussions
- Seamless integration with Spotify's API for playback and track exploration

Customer Benefits

- A more engaging and community-driven way to discover music
- Authentic recommendations instead of relying solely on AI algorithms
- A centralized space to build a curated music history

Proposed Solution & Technology Changes

Solution Changes and Shortcomings Overview

- As previously mentioned we did not manage to implement personalized recommendations.
- The spotify API also had issues loading everything properly. We believe this is due to the number of calls needed. As noted by the missing album covers in the demo.

Team Members

The team members initial roles remained primarily stagnant, but Alex Chen and Eric Chtilianov took on more led roles in the project.

Alex and Ethan worked on the frontend, Eric worked on the backend, and William worked on database and reports.

Management

We will follow an agile development approach with bi-weekly sprints. Key milestones include:

Sprint 1: Core frontend setup,

Sprint 2: Backend development and Spotify API integration

Sprint 3: User authentication, profile system, and review functionality

Sprint 4: AI driven recommendations + testing, bug fixes, and deployment

Management Changes

As previously we failed to complete the personalized recommendations and instead had to opt for a more simplified approach showing the most recent reviews and several spotify API calls resulted in several bugs.

Reflection

Overall we still consider this project to be a success as while there are still several issues it still accomplished a large number of our goals and provides a platform to review music and create playlists for the user to share with their friends. This accomplished the main goal of the project. Although there is still room for improvement in the recommendation feature and several bugs with Spotify's API features that need to be fixed before Jukeboxd could be launched.