CS340 Project - Spring 2025

Jukebox'd

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What is Jukebox'd

Jukebox'd 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. Jukebox'd addresses this gap by offering a structured yet interactive space for users to explore, discuss, and curate music

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Our Team

Our team consists of experienced developers with backgrounds in software engineering, web development, and data science.

Ethan Dietrich: Database Management, Data Security
Eric Chtilianov: Backend Development, API Integration
William Armentrout: Data Science, UI Design
Alex Chen: Frontend Development, UI Design

We are passionate about both music and technology, and our combined skill set allows us to build a robust, engaging platform.

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

Proposed Solution and Technology

Solution Overview
From the user's perspective, Jukebox'd 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

Measuring Success

We will evaluate success based on:
- User engagement metrics (e.g., number of reviews, active discussions)
- Retention rates and returning users
- Feedback from surveys and user interviews

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