“Letterboxd companion with custom stats and blends.”

Project Overview

MoodBoxd fetches users' movie watching history, then generates detailed, Last.fm-style statistics and insights about their past activities and movie logs.

It also features an interactive "taste map" visualization similar to Last.fm's, plus a "blend" feature inspired by Spotify Blend to compare and combine tastes between users

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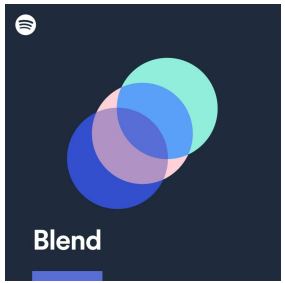
last.fm



Inspiration and Gap

While working on homework, I came across a project on Reddit about Letterboxd blend stats posted 10 months ago.

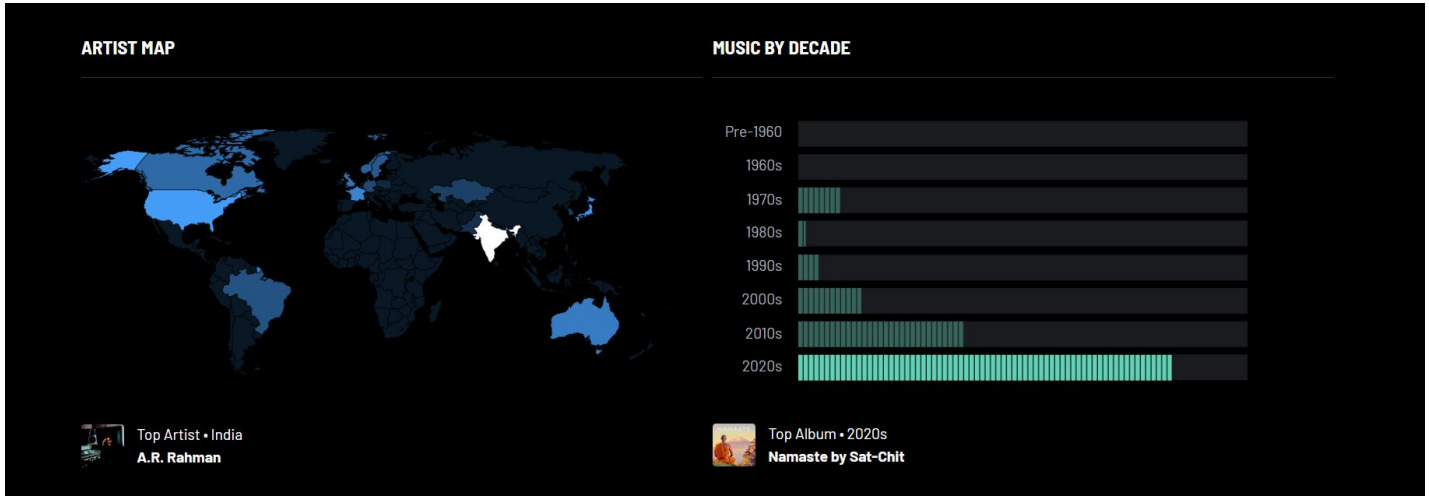
That project was very basic and barely scratched the surface of personalized movie analytics. This revealed a gap for a more optimized, comprehensive platform that combines stats, visual taste maps, and blend-style comparisons.

As a movie enthusiast and aspiring developer, I see this challenge as an opportunity to merge my interests in film and data science.

MoodBoxd will aim to combine deep statistical analysis with interactive visual maps and blend algorithms, making the user's movie history truly insightful and fun.

Inspiration and Gap

Seeing the artist map feature on Last.fm inspired the idea for a novel, geography-based widget for MoodBoxd. While exploring how Last.fm visualizes listeners' music preferences by country, the concept formed to apply a similar geographic layer to movie logging—a feature not yet built into Letterboxd or its addons.

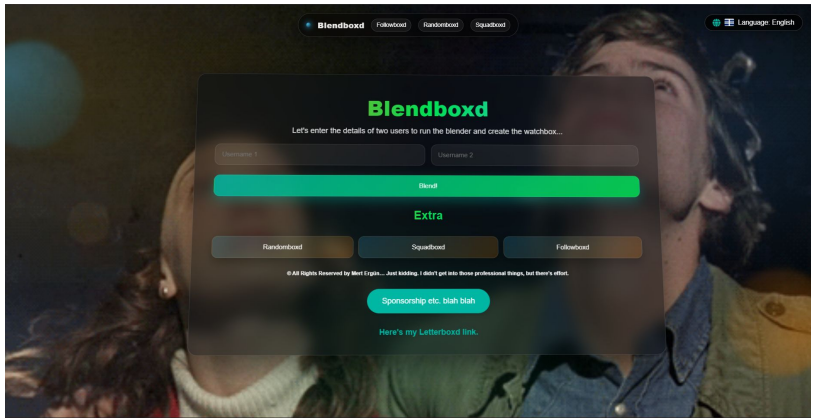


Acknowledgment

MoodBoxd will be inspired by early Letterboxd community efforts, especially a blend concept discussed here:

https://www.reddit.com/r/Letterboxd/comments/1hxc88y/heres_letterboxd_blend/

MoodBoxd will be built entirely from scratch, creating a scalable analytics platform to fill this identified gap.



A screenshot of https://blendboxd.xyz/

Goals and Key features

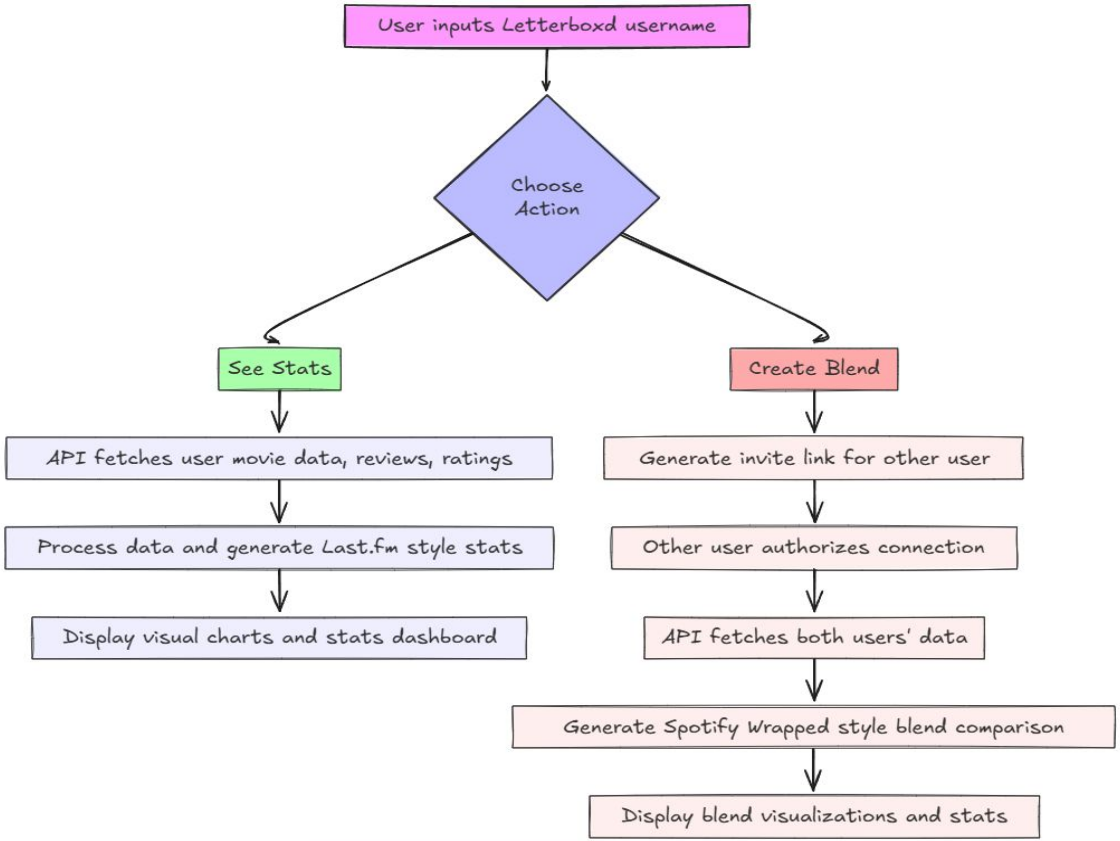
Goals:

- Build a platform to deliver advanced movie-watching analytics for Letterboxd users.
- Enable interactive visualizations such as taste maps and blend comparisons.
- Design a complete pipeline from data collection to visualization, fully independent and self-built.

Key Features:

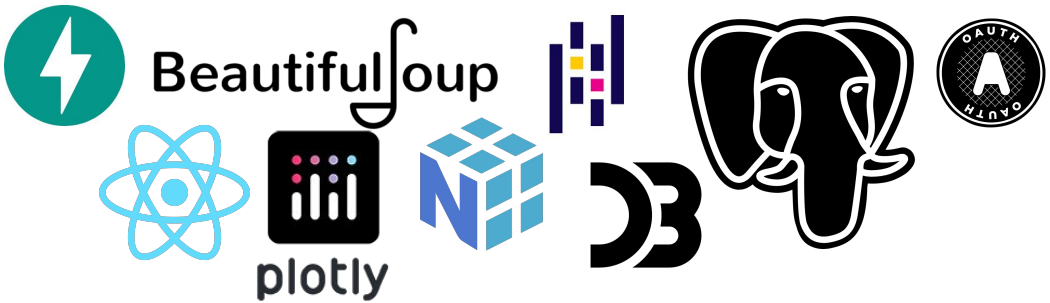
- Deep stats: most-watched directors, genres, time trends.
- Taste map: visualize viewing patterns by geography/category.
- Blend feature: compare/merge stats between users.
- RESTful API to allow easy access and integration.
- User-friendly dashboard for interactive insights.

User Experience Flow



Tech Stack & Tools

- Backend: Python, FastAPI (building a custom API)
- Frontend: React (for dashboards and visualizations)
- Scraping/Data Collection: Requests, BeautifulSoup (fetching movie logs and reviews from Letterboxd)
- Analytics: Pandas, NumPy (processing data), custom algorithms for stats
- Visualization: Plotly, Matplotlib, D3.js (creating dynamic charts and graphs)
- Database: PostgreSQL (data storage and management)
- Authentication: OAuth (for secure blend feature invites and authorizations)



Contact & Resources

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