



MyRate Design Document

Alyse Palsulich, Justin Springborn, Nicholas Gonzalez, Rosemary Yoo

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Executive Summary

The purpose of MyRate is to enhance the media consumption experience by introducing a revolutionary new standard of service into the marketplace. A standard that will significantly improve the review platform framework and drastically reduce the amount of time spent searching for new media. MyRate users will be able to source book, movie, and tv show reviews of meaningful substance from one centralized platform. Gone will be the days of frustratingly searching endless keyword phrases to find that one well-written, high-quality review from someone who shares your same passion. The MyRate platform will put all of this power at the user's fingertips.

The core of this project will consist of our 'MyRate Score' rating and review system, our advanced search filters, and our user profiles. The 'MyRate Score' will allow users to leave thoughtful reviews with descriptive, content-specific critiques and a much more accurate star rating on our expanded scale which in turn leads to an unbiased platform of rating media. Sophisticated search filters and personally tailored suggestions will work in unison to ensure that users find exactly what they need in much less time. Finally, the user profile will enable the ability to save search results, categorize those results into watch/read/listen/recommend later collections, and even display a summary of all the activity and achievements that have occurred over the lifetime of the account. This final 'MyStats' feature will be analogous to 'Spotify Wrapped' and provide a unique experience to our users which cannot be found on any other platform.

MyRate will be a forever-evolving system. The past and future trends combined with the constantly changing content creation market make this system open to endless updates and refinement. But we believe that a need for these core features combined with our current content focus will be around for generations. Building out the initial system with our current vision will produce a service that solves an immediate problem, and we can continue to scale into new content markets as we progress.

Background and Technical Requirements

Overview

There currently exist multiple forms for reviewing media. However, there is a gap in reviews such that none allow for more specified star ratings and all of the rating websites tend to be specific to a single form of media. Our solution will allow for users to organize, rate, and monitor their media consumption in a one stop location without needing multiple websites or applications for finding/purchasing new media and storing old.

Similar Ideas

- **Goodreads:** Goodreads is a very similar technology in that it allows users to find books, organize books into collections that they want to read or have read, as well as review books on a five star scale and/or a written description. However, this website/application is solely for books and does not include any other form of media.



- **Amazon:** As well as selling multiple forms of media, Amazon allows for users to review media on a star rating scale and written description. However, Amazon does not have a collection feature or any way for users to organize their media consumed.



- **IMDB/RottenTomatoes:** IMDB and Rotten Tomatoes are both websites that allow for users to review movies and TV shows using star rating and written

review systems as well as allowing users to organize shows/movies they want to watch, but only includes movies/TV shows without any other media.



- **Metacritic:** Metacritic provides users with a review of movies, TV shows, games, music, and (formerly) books. This website is meant to allow users to view reviews as well as provide reviews for all sorts of media. However, it does not provide statistics about media consumed for individual users or allow for organizing their media.



As can be seen, there are many technologies out there that allow users to review media content or find reviews of media. However, there is a lack of technology that combines the ability to organize media for users, a specialized rating system, recommendations, and a statistics/goals page for users to better understand the amount of media they are consuming.

Required Technology

MyRate will be web-based software with ASP.NET core web framework. Our required technologies to fully implement this project include a mixture of web scraping, front end and back end technologies. React JS will be our tool for displaying the user interfaces and illustrating the profile's statistics page for individual users. APIs from platforms like Amazon and IMDB will be utilized for data collection and advanced search filters. For storing and managing all our data, we will use Microsoft SQL to create a complex but streamlined database system to efficiently and effectively store data concerning users

and their stats, reviews for media, and the various mediums of media. Finally, we deploy all this using AWS so that users can access our project through means of the internet.

Software/Hardware Requirements

- Developer Requirements
 - Visual Studio
 - AWS account
- User Requirements
 - Internet Connection
 - Web Browsing Application