

Movie Database Final Report

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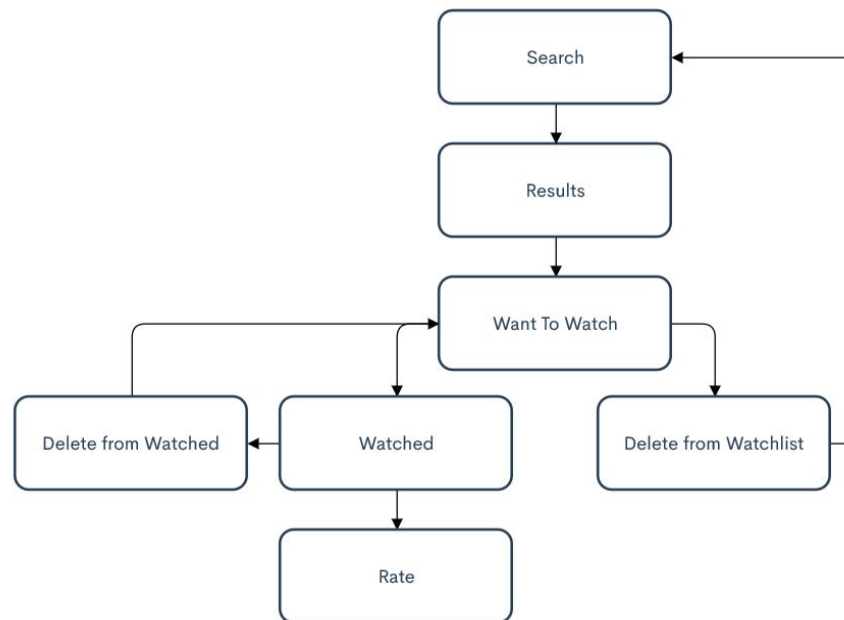
The Problem to Address

Streaming services for movie-watching have become a staple in the modern world. Each service, however, is limited to its own catalog of movies, forcing users to traverse various accounts across multiple services to access the numerous movies they want to watch. This is especially tiresome for those who like to keep track of films that they have watched or would like to watch. Since these services require users to maintain multiple accounts, it is also incredibly tedious to keep a record of one's review of every movie they have seen. Netflix, one of the most popular content streaming platforms, does not even allow users to personally rate the movies they have watched as the company removed the feature in 2018. Even more so, in light of the current pandemic increasing viewership, a single sign-on seamless user experience is a gaping void in this industry with much opportunity for improvement.

Our Solution

To alleviate the problem described above, we have decided to build a movie database that allows users to search a catalog of movies and retrieve information on each film. The information includes a film's title, director, lead actor, genre, mood, average user rating, and the streaming service in which it is available. Our database also provides the functionality to track movies that users want to watch in the future, as well as movies they have already watched. Once users have watched a movie, they have the option to rate it on a scale from 1-5. Users also have the option to export a report of the movies they have watched to a csv file. This report includes all of the information they previously searched for the movies they have watched, in addition to

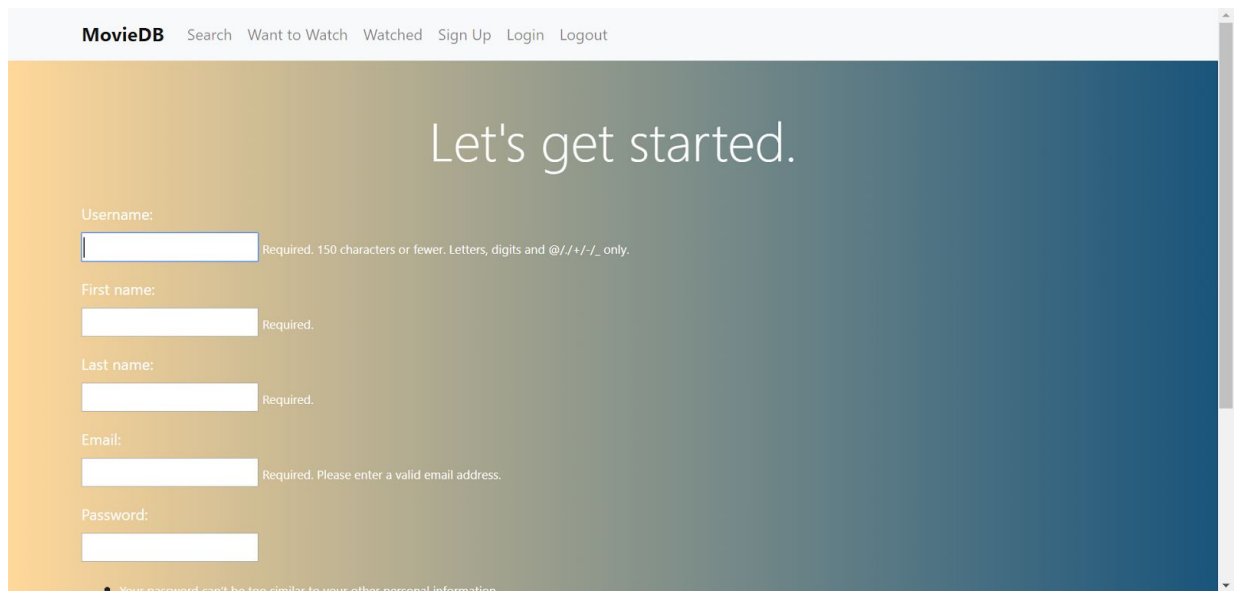
the total number of movies they have watched and their overall top rated movie. Below is a flowchart of the ideal user experience for our application:



When users first enter the application, they are asked to either sign in or create an account. From there, the application allows users to search on various criteria such as movie title, genre, director, actor, streaming service, length of movie, rating, and mood. Once a search is conducted, users are taken to a Results page that displays all movies that meet the given search criteria. Relevant movie information for each film is displayed in a table. From here, users can add movies to their Watchlist. There is a navigation menu along the top of the application that allows users to toggle between the Search page, Want to Watch page, and Watched page. Inside the Want to Watch page, users can see a table of movies they have added to their watchlist. Beside each record are buttons to remove the movie from their watchlist or change the movie to watched. If the user clicks on the Watched button, they are taken to a rating page where they are asked to rate the movie on a scale from 1 to 5. They are then taken to their Watched list. The

Watched list also has buttons to remove movies from it, however, when removing films from this list, they are simply added back to your watchlist. See below for screenshots delineating these various features:

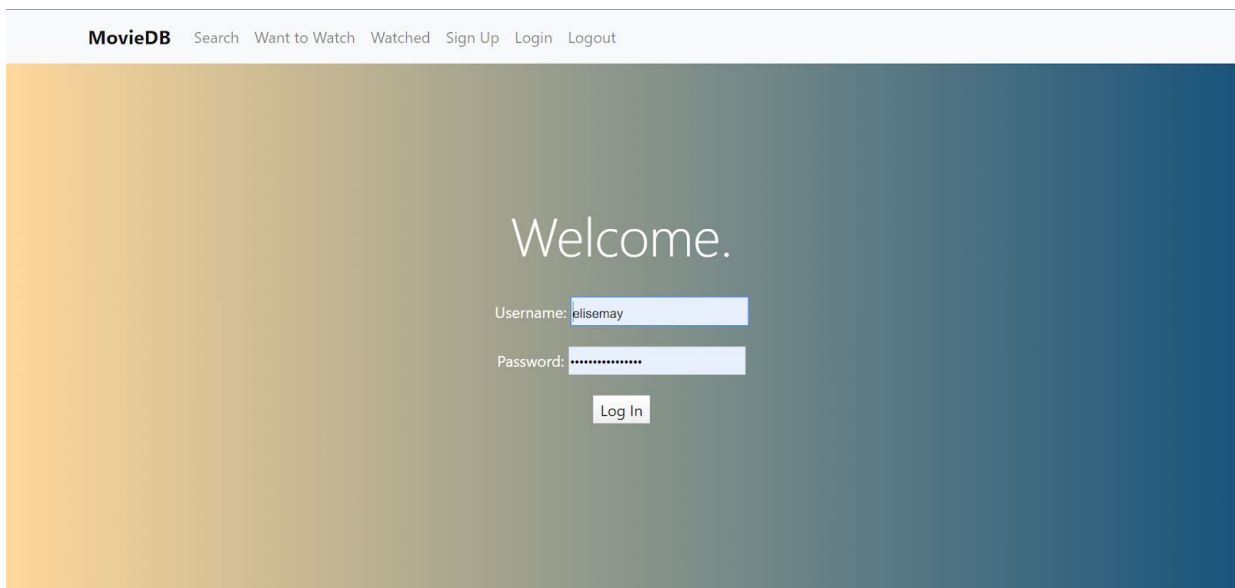
Sign-Up Screen



The screenshot shows the 'Sign-Up' page of the MovieDB application. The header includes the 'MovieDB' logo and navigation links: 'Search', 'Want to Watch', 'Watched', 'Sign Up', 'Login', and 'Logout'. The main heading is 'Let's get started.' Below this, there are five input fields with their respective labels and validation messages:

- Username:** A text input field with a validation message: 'Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.'
- First name:** A text input field with a validation message: 'Required.'
- Last name:** A text input field with a validation message: 'Required.'
- Email:** A text input field with a validation message: 'Required. Please enter a valid email address.'
- Password:** A text input field with a validation message: 'Your password can't be too similar to your other personal information.'

Sign-In Screen



The screenshot shows the 'Sign-In' page of the MovieDB application. The header is identical to the sign-up screen, with the 'MovieDB' logo and navigation links. The main heading is 'Welcome.' Below this, there are two input fields and a 'Log In' button:

- Username:** A text input field containing the value 'elisemay'.
- Password:** A text input field with masked characters (dots).
- Log In:** A button to submit the login information.

Search Screen

MovieDB Search Want to Watch Watched Sign Up Login Logout

Find your new favorite movie.

Search by:

<input type="text" value="Title"/>	<input type="text" value="Actor"/>
<input type="text" value="Director"/>	<input type="text" value="Streaming Service"/>
<input type="text" value="Genre"/>	<input type="text" value="Mood"/>
<input type="text" value="Length"/>	<input type="text" value="Rating"/>

Search

Search Results Screen (Clicked Want to Watch THE Room) ... not room

MovieDB Search Want to Watch Watched Sign Up Login Logout

Results

Movie Title	Director	Lead Actor	Genre	Mood	Streaming	Rating	Want to Watch?
The Room	Tommy Wiseau	Tommy Wiseau	Drama	Thought-Provoking	Hulu	4.20	<input type="button" value="Want to Watch"/>
Room	Lenny Abrahamson	Brie Larson	Thriller	Sad	Disney+	2.90	<input type="button" value="Want to Watch"/>

The Room was added to our Want to Watch list

MovieDB Search Want to Watch Watched Sign Up Login Logout

Want to Watch

Movie Title	Director	Lead Actor	Genre	Mood	Streaming	Rating	Watched	Delete?
The Room	Tommy Wiseau	Tommy Wiseau	Drama	Thought-Provoking	Hulu	4.2	<input type="button" value="Watched"/>	<input type="button" value="Delete"/>
Wall-E	Andrew Stanton	Ben Burtt	Animated	Feel-Good	Netflix	4.55	<input type="button" value="Watched"/>	<input type="button" value="Delete"/>
Coco	Lee Unkrich	Anthony Gonzalez	Animated	Feel-Good	Prime Video	4.6	<input type="button" value="Watched"/>	<input type="button" value="Delete"/>
Jaws	Steven Spielberg	Roy Scheider	Thriller	Scared	Disney+	3.7	<input type="button" value="Watched"/>	<input type="button" value="Delete"/>

Click on Watched button for Wall-E.

MovieDB Search Want to Watch Watched Sign Up Login Logout

Want to Watch

Movie Title	Director	Lead Actor	Genre	Mood	Streaming	Rating	Watched	Delete?
The Room	Tommy Wiseau	Tommy Wiseau	Drama	Thought-Provoking	Hulu	4.2	Watched	Delete
Wall-E	Andrew Stanton	Ben Burtt	Animated	Feel-Good	Netflix	4.55	Watched	Delete
Coco	Lee Unkrich	Anthony Gonzalez	Animated	Feel-Good	Prime Video	4.6	Watched	Delete
Jaws	Steven Spielberg	Roy Scheider	Thriller	Scared	Disney+	3.7	Watched	Delete

Rating Page for Wall-E (I'll give it 5 stars because that little robot deserves it.)

MovieDB Search Want to Watch Watched Sign Up Login Logout

Tell us what you thought.

Rate the movie from 1-5 stars.

5 stars

Submit

Wall-E has been added to our Watched list with our rating of 5 stars.

MovieDB Search Want to Watch Watched Sign Up Login Logout

Watched

Export

Movie Title	Director	Lead Actor	Genre	Mood	Streaming	Your Rating	Delete?
Wall-E	Andrew Stanton	Ben Burtt	Animated	Feel-Good	Netflix	>5.0	Delete
When Harry Met Sally	Rob Reiner	Billy Crystal	Rom-Com	Romantic	Netflix	>2.0	Delete
Back to the Future	Robert Zemeckis	Michael J. Fox	Sci-Fi	Thrilling	Netflix	>3.5	Delete
Up	Pete Docter	Edward Asner	Animated	Feel-Good	Hulu	>5.0	Delete
Mean Girls	Mark Waters	Lindsay Lohan	Comedy	Feel-Good	Hulu	>4.8	Delete
Die Hard	John McTiernan	Bruce Willis	Action	Thrilling	Prime Video	>4.2	Delete

