NextWatch

One search for all your streaming services. Find you next favorite movie here!
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Description

1. Web application to search for movies by pulling information from TMDB API, including the provider that carries the movie, genre and title
2. Displays movies matching the query and allows the user to add it to a personal watchlist to keep track of what they want to watch later.

Features

- Users can:
  - <u>Create accounts</u>
  - <u>Log in</u>
  - <u>Search for movie titles by a text search</u>
  - <u>Create a list of movies they want to watch</u>

- The app connects to the TMDB API to return movie information.

Planning - User Stories

- The motivation for this app came from our friends and families desire to look up a movie and find the different providers that carry it like Netflix or Disney+.
- This app would allow a user to create an account and a personalized watchlist. This works by allowing a logged in user to search for movies using our engine and then add the API's IDs to our database under their personal watchlist.

Planning - Database

- Primary Database is created for the User and the related watchlist created by the user.
- Movie data is imported from the TMDB Api. Only the data required to support the search is imported.
- Functionalities to create, login, search, add to watchlist and logout are available for the user.

Technology Stack

- Language: JavaScript front end, C# back end
- IDE's: Visual Studio 2022 for windows and Visual Studio Code
- Bootstrap.
- React.js.
- ASP.NET Core 6
- MySQL WorkBench.

Demo

What I Learned

- React.js as the frontend framework.
- Connecting the back end(API controller/c# code) to the front end.
- Importing data from a third party API in React using Axios.
- Processing JSON data into presentable information.
- Using React components and state to take in user input.
- Using JS/React forms to post API data into our database.
- Creating reasonable deadlines and reframing the meaning of a Minimum Viable Product to match those deadlines.

What's Next

- Update the search form to be able to search by genre and/or streaming services for users who don't have a specific movie in mind
- A more aesthetically pleasing user profile including profile images and bios to give users a more personalized connection to the app
- Allow users to Delete watchlist items if they no longer wish to have a given movie in their list
- Improve the login feature to allow users without accounts to search the database without seeing the add-to-watchlist buttons or other incorrect displays