

NextWatch

Priyanka Bhargava
@priya12845 on GitHub

Description

1. Web application to search for movies pulling the data from the TMDB API along with the information of the provider that has the movie available on them.
2. List of matching movies will be displayed and the user is able to add it to their watchlist to watch them later.



Features

- Users can:
 - Create accounts
 - Log in
 - Search for movie titles by a text search
 - Create a list of movies they want to watch
- 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 requirement to look up for a movie in the different providers available like Hotstar, Netflix etc. every time they wanted to watch.
- This app would allow a user to create a new account which would be linked to a watch list the user can add to. The user is able to search by words or titles to find movies and where they are streaming. The user would then be able to add movies to their watch list.



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
- Visual Studio 2022 for windows.
- Bootstrap.
- React.js.
- My SQL WorkBench.



Demo



What I Learned

- React.js as the frontend framework.
- Connecting the back end(API controller/c# code) to the front end.
- Importing the data.
- Processing JSON data.
- Using React components and state to take in user input and redirect them to a results page.



What's Next

- Update the search form to be able to search by genre and streaming services.
- Add a functionality for the user to be able to only input their streaming services and the genre they want to watch and have the search results be suggestions for the user.
- Create create an update method so that a user can change or update their information in the database.
- Work on creating a new app from scratch using the MVC model and only C# instead of having my project split between JavaScript and C#.

