

Movi: movie & tv recommendation service

Group Project Proposal

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Project Description

The web app will hold a list of all the movies and tv shows you have ever watched (user inputted). As the user adds more movies and tv shows, the program will get more acclimated to the user's interests and start to recommend new things to watch.

Resources Needed

Would need a database to hold what the user adds and a TV API to find recommendations. Will also be using a Unit Testing framework to automate testing. Planned frameworks and languages right now are Node.js, Jest for unit testing node, react, and MongoDB.

Participation Value

We will gain experience developing a web application using the MERN tech stack, using AGILE development practices, and with using and building APIs.

Structure of Regular Turned-in Updates/Deliverables

Using the GitLab flow branch pattern for commits. Preferably 2-3 meetings per week 15 minutes each to talk about the commits to the master branch. Outside of these meetings, project communication will take place on our project discord, as well as on pull request comment threads. Trello will hold our sprint planning, including product and sprint backlog. We will use a UML diagram to outline the domain model, including conceptual class interactions and object polymorphisms.

Final Deliverable

The final deliverable would be the front page UI integrated with the back-end recommendation system. Hopefully, the final deliverable will also use the machine learning aspect we plan to develop, but for the sake of reigning in the scope, this feature isn't mandatory.

Final Presentation Details

The final presentation would include demo of the implemented front-end UI, a wireframe detailing future UI developments, and a video demo of the back-end based on sample data.

Preliminary Domain Analysis

A multifunctional movie tracker webapp. The user should be able to access a list of movies they have previously watched and add new titles to the list. The discover page will hold a collection of titles that the program will recommend based on the user's watch list. When a title is selected on the discover page, a short description will be shown along with what streaming services it can be viewed on. The user will have a login and profile where they can add what streaming services they have access to. Each title can be labeled as watched or planned

