

Delivery 1: Movie API

Scenario

Our project is a movie recommendation API that allows the user to sign in as a client to search through a database of films. The interface will allow the client to search for their favorite movies based on the directors, actors, genre, and title. Our project will also allow the client to add movies to their watchlist, see the reviews that movie critiques leave on the film. Furthermore, the user can leave their own review on the film by giving the movie a rating and comment. In addition, we will have a recommendation engine that generates movies that seem appealing for the user in reference to their search history and their preferences.

Design Paradigm (functionalities)

- Fetching and filtering movie information such as title, genre, rating, release year, director, actors and more from the movie API.
- Add movies to the user's watchlist.
- The user can rate and review movies, which are stored in the database.
- Recommendation engine that generates after the user's search history and their watchlist.
- The user has to create an account and log in to our system.
- The user interface can be provided in English and French.

Expected Output

- The interface should be displayed in English or in French based on the user's choice.
- The login page should be refused if the user does not have an account and granted if they do have an account.
- The interface will update the user's watchlist after adding or removing a movie.
- The interface will match the search or filter and return a list of movies.
- List of recommended movies based on the user's activity or preferences.
- Details about a specific movie.
- Adding and fetching movie ratings and reviews from the database.

Git Repository

<https://github.com/JawnMikel/Project>

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