

# A Night In With The Stars: Movie Finder

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Have you ever watched a movie, and noticed great chemistry between the actors/actresses ? Did their performance leave you wanting more? Everyone can relate to nights spent scrolling through Netflix, trying to find something to watch. I plan to create a movie querying application, where you can combine search entities such as actors and actresses, genres, average review scores, to find the perfect movie to watch for your night in.

There are a plethora of movie data sets that can be used, however one of the most extensive ones available through IMDb. We also plan to use a two additional Kaggle data sets to incorporate Rotten Tomatoes review characteristics into our project.

To satisfy the project requirements, the following will be met.

We will use three Kaggle data sets to populate our database.

- a. <https://www.kaggle.com/stefanoleone992/imdb-extensive-dataset?select=IMDb+movies.csv>
- b. [https://www.kaggle.com/stefanoleone992/rotten-tomatoes-movies-and-critic-reviews-dataset?select=rotten\\_tomatoes\\_critic\\_reviews.csv](https://www.kaggle.com/stefanoleone992/rotten-tomatoes-movies-and-critic-reviews-dataset?select=rotten_tomatoes_critic_reviews.csv)
- c. <https://www.kaggle.com/ruchi798/movies-on-netflix-prime-video-hulu-and-disney>

2. The main purpose will be finding a movie to watch, populated using IMDb extensive data sets. This will require parsing through the data sets to find relevant entities, and creating entity relationship models which will ultimately lead to finding movie recommendations.

3. The main application will be a simple command line interface, or a simple web application (to be decided) which will be able to conduct the following.

- a. Find a movie based on the actor/actress, or a combination thereof to see if they star in any other movies together.
- b. Find a movie based on average rating, genre, running time, title, language or a combination thereof.
- c. Add movies to your favourites/watch list.
- d. Review movies that you already watched.
- e. Determine if the movies are available on popular streaming platforms.
- f. Additional items as time permits.

4. A possible stretch feature would be to give recommendations based on what movies you have in your favourites/already watched, this would require some sort of content-based filtering, assigning scores to a movie to show up on this list.

5. A possible data-mining case would be to give recommendations based on what movies you have in your favourites/already watched, however this is subject to change throughout the semester.