

# Flix Find+

GROUP: MARNIA (rsanand2, konjeti3, mv16, arnava4)

## *SUMMARY:*

Description of an application of your choice. State as clearly as possible what you want to do. What problem do you want to solve, etc.?

A common problem many people face today is knowing where to watch their favorite movies. Since there are so many streaming sites like Hulu, Disney+, Netflix, Amazon Prime it's hard to keep track of where movies are. Instead of having to google where to watch a movie every time you want to watch a movie, our idea allows for users to easily search up movies and find which streaming service to use to watch it. Our website will use a Kaggle dataset to populate our website with movies from multiple streaming platforms.

We will be using a mysql database that will store all the movie data and React for the UI. Our UI will have filter options for users to select different streaming platforms. Users will be able to also search movies to see which streaming service they are on. Users can save movies they dislike and like on our website. Movies they want to watch will be saved in their watchlist and movies they dislike which will be moved from the central database to their blacklist.

## *USEFULNESS:*

Explain as clearly as possible why your chosen application is useful. Make sure to answer the following questions: Are there any similar websites/applications out there? If so, what are they, and how is yours different?

Imagine it's family night on a cold, snowy Saturday. You've been grinding for your CS classes all week and you're back home for the weekend. All you want to do is watch a funny movie with your family while the fireplace blazes away. Instead of googling streaming platforms that have your preferred movie, you can use our application to search for the movie you want to watch and obtain the major streaming platforms this movie is available on. A similar website/application - JustWatch - does exist, however, it doesn't include a movie blacklist like our application will have. Waste time no more aimlessly searching for your movie on every single streaming service you own, our app does it for you!

## *REALNESS:*

Describe what your data is and where you will get it.

The data we will be using is from [Kaggle](#) and contains data on what platform(s) each movie is on between Netflix, Hulu, Amazon Prime, and Disney+. It includes the movie's title, rotten

tomatoes rating, the age rating, and the year it was released in as well. The dataset contains over 9500 movies across all four platforms, with each movie also having its own unique id.

### *FUNCTIONALITY:*

Description of the **functionality** that your website offers. This is where you talk about what the website delivers. Talk about how a user would interact with the application (i.e. things that one could create, delete, update, or search for).

- a. Describe what data is stored in the database. (Where is the data from, what attributes and information would be stored?)

Movie data would be stored from a Kaggle dataset and it would store a movie ID, title, year, age rating, Rotten Tomatoes score, and four booleans that are true if the movie is streaming on Netflix, Hulu, Amazon Prime, or Disney+ respectively.

- b. What are the basic functions of your web application? (What can users of this website do? Which simple and complex features are there?)

Users will be able to search for a movie, filter out movies based on their attributes, add movies to a blacklist so they will not see those movies again in a future query, and a watchlist that will add movies that the user is interested in to a queue.

- c. What would be a good creative component (function) that can improve the functionality of your application? (What is something cool that you want to include? How are you planning to achieve it?)

Eventually, we want to include a user login system so blacklists and watchlists are saved for users to access later.

blacklist

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watchlist

filters

streaming platforms

☒ netflix
 ☐ amazon prime
 ☒ disney+
 ☐ hulu

maturity

☒ 7+
 ☐ 13+
 ☐ 16+
 ☐ 18+
 ☐ All

sort by rating

☒

search movies

despicable me	NETFLIX	9/10
polar express	NETFLIX	5/10
home	NETFLIX	6/10
jumanji	NETFLIX	9/10
moana	DISNEY +	9/10
frozen	DISNEY +	9.5/10

### WORK DISTRIBUTION:

Who would be responsible for each of the tasks or subtasks? List of the person responsible for which exact functionalities in section f. Explain how backend systems will be distributed across members. Be as specific as possible as this could be part of the final peer evaluation metrics.

- Putting kaggle data into mysql & google cloud (setup) -> ALL MEMBERS
- Search (UI & backend) - Arnav & Raghav
- Filters (UI & backend) - Neha & Madhu
- Blacklist (UI & backend) - Raghav & Arnav
- Watchlist (UI & backend) - Madhu & Neha
- User login (UI & backend) - ALL MEMBERS