MOVIES RECOMMENDATION SYSTEM

Submitted in the partial fulfillment for the award of

the degree of

BACHELOR OF ENGINEERING

IN

BIG DATA & ANALYSTICS

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Outline

- Introduction to Project
- Problem Formulation
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Introduction to Project

The topic of my project is Movies Recommendation System.

The aim of this project is to provide movies recommendations from a wide range of genres such as action , comedy , romance etc.

I used TMDB API key for movies database which provide us to programmatically fetch and use data.

So, in my project you can see movies recommended by each genre row wise.

Movie recommendation system provide a mechanism to assist users in classifying users with Similar interests

Problem Formulation

Nowadays people heavily rely on the internet for almost everything thing and entertainment is one of the important aspects. Especially in the era of a pandemic where people are stuck at home, they need some entertainment to chill out their minds.

Problem Formulation

But when we want to watch something, want to get entertained we have no idea what to watch. Here comes our project to assist you. to provide you recommendations from a wide range of genres such as comedy, horror, action whatever you like to watch

This kind of recommendation system sort out the problem of people who find difficulties in selecting movies with their preferences.

Objectives

My main Objective for making this project is to solve above-mentioned problems so that peoples are easily able to select their content i.e movies with their preferences that if anyone wants to know which are top-rated movies, which are Netflix original, which are trending movies in Netflix and others different categories like horror, comedy, romance, etc.

About my project i made a movies recommendation system with the help of web development concepts and for movies database i used TMDB API key and that provides us a Netflix user interface so people find this as a friendly user recommendation system

Methodology used

- The following methodology will be followed to achieve the objectives defined for proposed research work:

  1. Detailed study of :

  HTML – For basic structure of the page

  CSS – For customizing to make it attractive

  JAVASCRIPT - For frontend developing part.

  2. Implementation of:

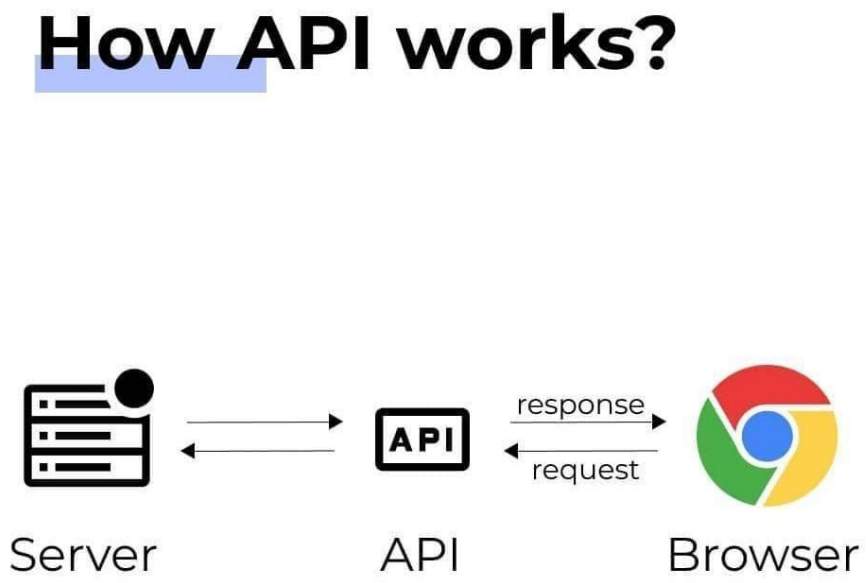
  Node Js (runtime environment)

  Npm (node package manager)

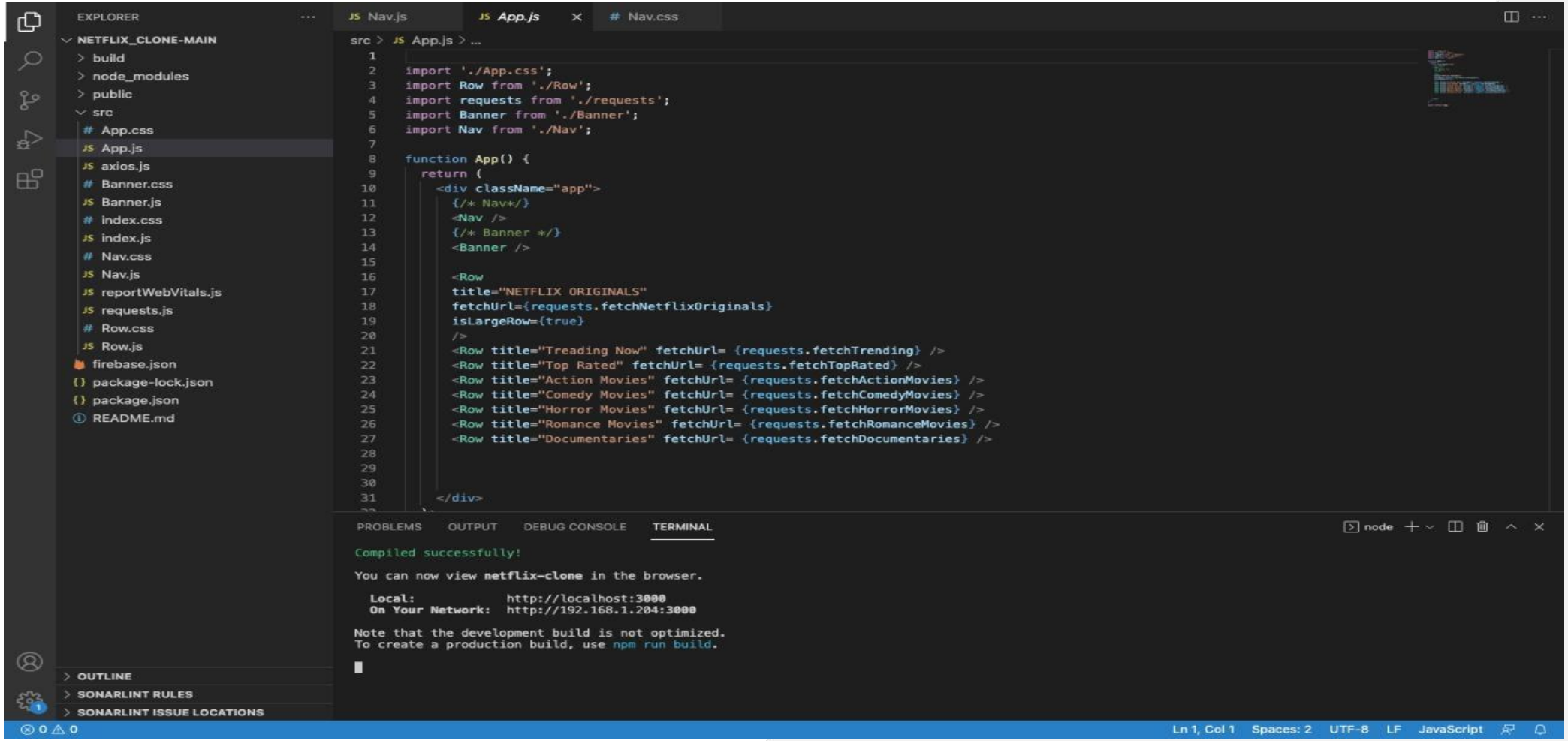
  React library (javascript library)

Methodology used

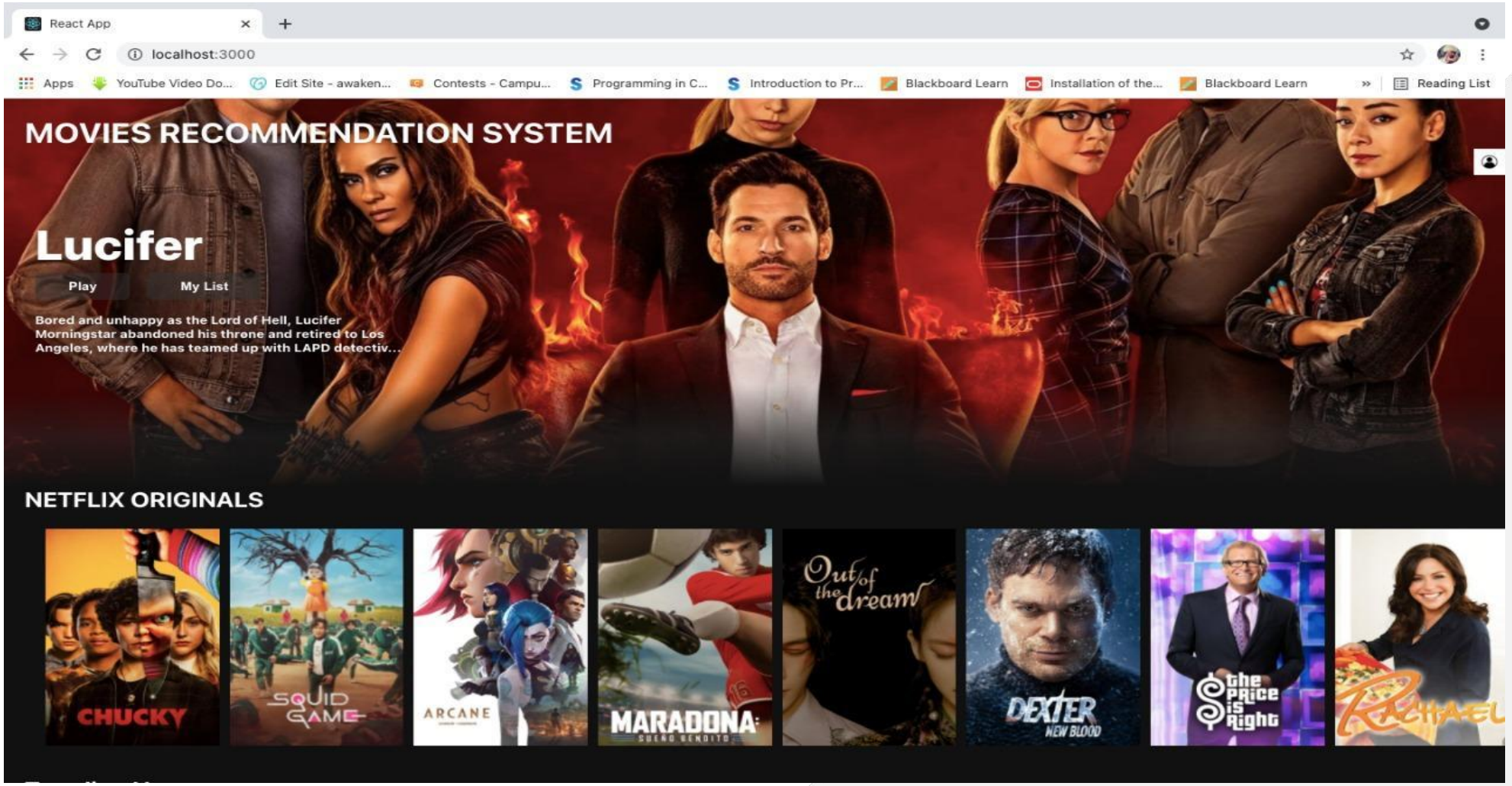
3. Use of TMDB API KEY for movie database.



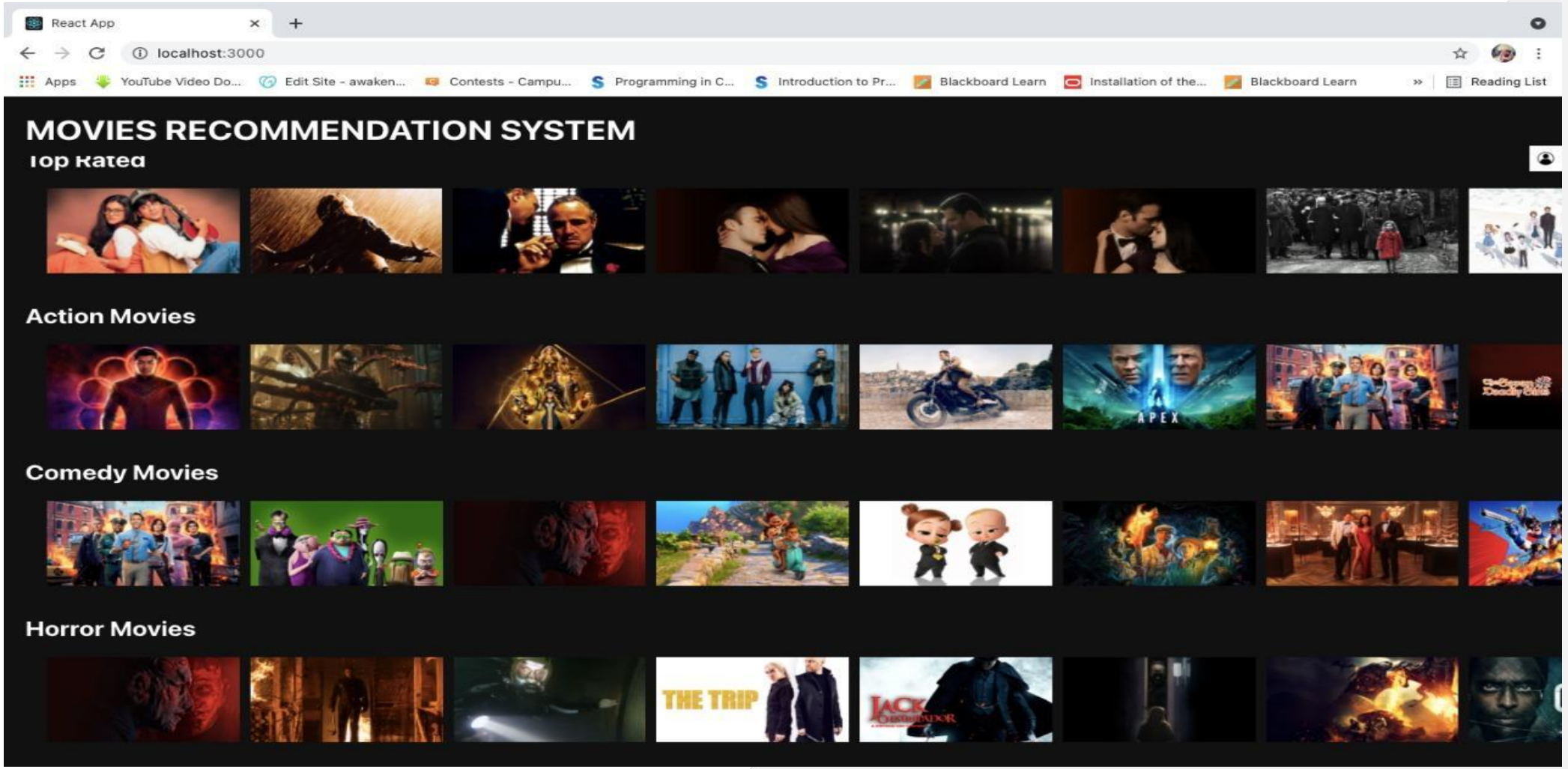
Results and Outputs



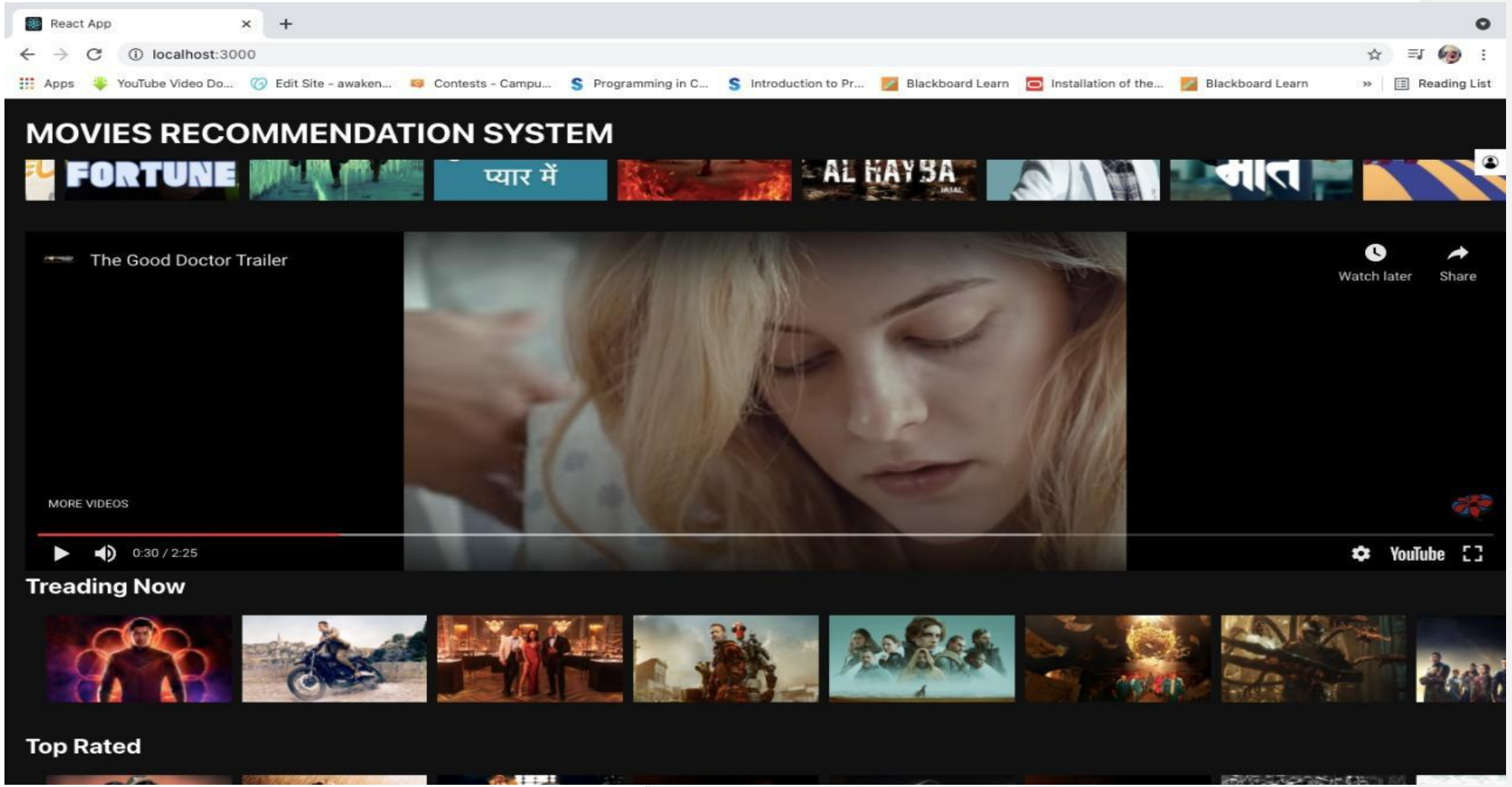
Home Page


React App
localhost:3000
Apps
YouTube Video Do...
Edit Site - awaken...
Contests - Campu...
Programming in C...
Introduction to Pr...
Blackboard Learn
Installation of the...
Blackboard Learn
Reading List
MOVIES RECOMMENDATION SYSTEM
Lucifer
Play
My List
Bored and unhappy as the Lord of Hell, Lucifer Morningstar abandoned his throne and retired to Los Angeles, where he has teamed up with LAPD detectiv...
NETFLIX ORIGINALS
CHUCKY
SQUID GAME
ARCANE
MARADONA
Out of the dream
DEXTER
NEW BLOOD
the Price is Right

Recommendation by Different genres



The trailer of a movie is being played



Conclusion

First, we gave the introduction of our project in which we talked about problem definition and tried to show the need of our project. We faced some problems while implementing it but sorted them out by troubleshooting. This presentation also provides instruction on the concept which is important to understand. This presentation also covered what is the methodology for this project and what are the objectives for this project and last it cover the conclusion and discussion.

Future Scope

- If given more time, we would include Collaborative Filtering in my recommender, which would include obtaining reviews and other user-generated data by using the millions of reviews in the movies dataset to find similarities between users that make it more effective at recommending movies.

- Another option is to avoid using The Movies Dataset altogether and have my app use the TMDB database itself as the source of its data. This would allow the recommender to increase the number of movies by an order of magnitude.

- Finally, we would add additional features to the application to allow the user to restrict the types of movies that can be randomly selected by rating, year, foreign/domestic, etc.

References

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III. https://www.themoviedb.org/documentation/api

IV. https://www.npmjs.com/package/movie-trailer

V. https://arxiv.org/ftp/arxiv/papers/1909/1909.12749.pdf.