

Web based Film updates & Reviews

Project Group Number: 09



SAGA

Buzz

Team members:

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2. Achyuth Kumar Valeti
3. Gopi Nelluri
4. Anusha Nelluri

GitHub Link:

<https://github.com/AchyuthValeti/SAGA-Reviews>



**UNIVERSITY OF MISSOURI
KANSAS CITY**

Introduction:

SAGA Buzz is a one stop website for people interested in Films, TV Series, Celebrity articles, Box Office Collection, and lot more. Write your own reviews, create your watch list, search your favorite movies, TV Shows and maintain your own movie journal. All the features will be developed using various web developing tools.

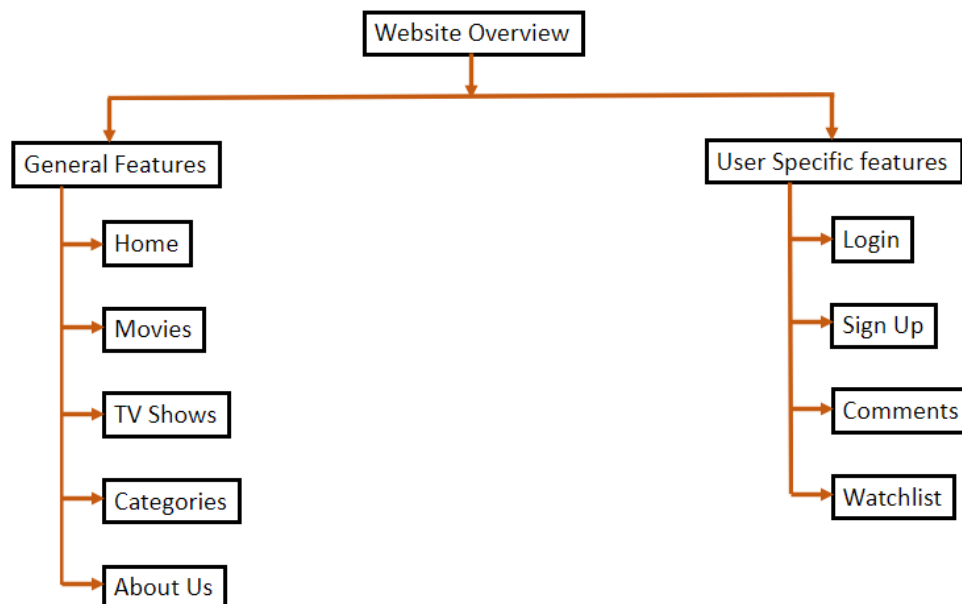
Background:

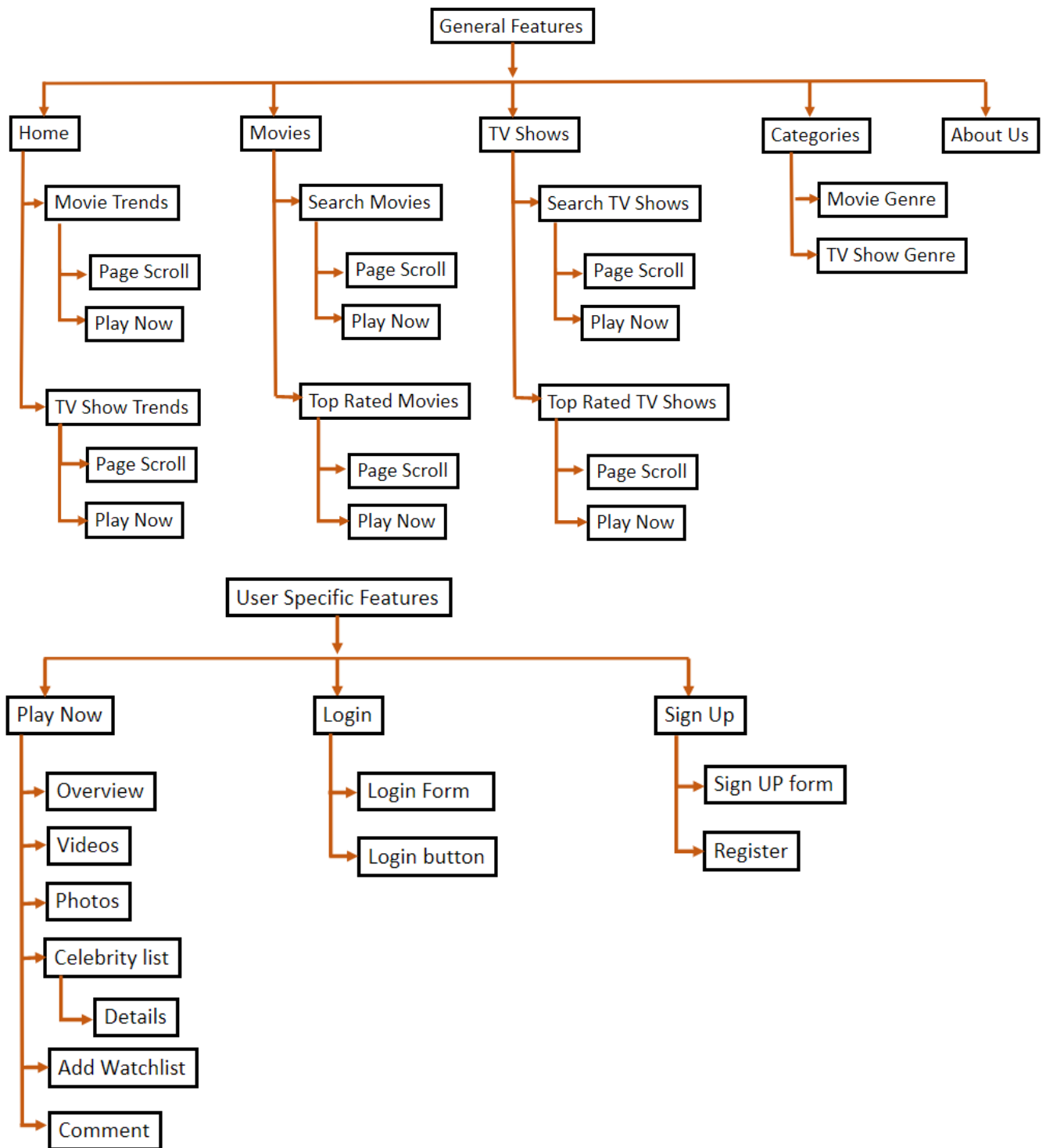
The box office is one of the world's major industries. Movie is a product and viewers are people who purchase the product. Film viewers who go to the theatre to watch the latest releases may disappoint if the film is boring. If they know the public opinion and reviews before going to theatre, will help them to decide whether to watch or not. To solve the issue, we designed category-wise Genres, latest trends etc...,

In addition to that, few viewers want to share their opinion about a film, which will help other viewers about it (like Amazon reviews about a product). By signing into our website users can write their opinions about the film.

Movie fans who want to know about the box-office collections, film news, celebrity news can view in respective links.

Website Overview:





The above flowchart shown is to explain the features of the webpage.

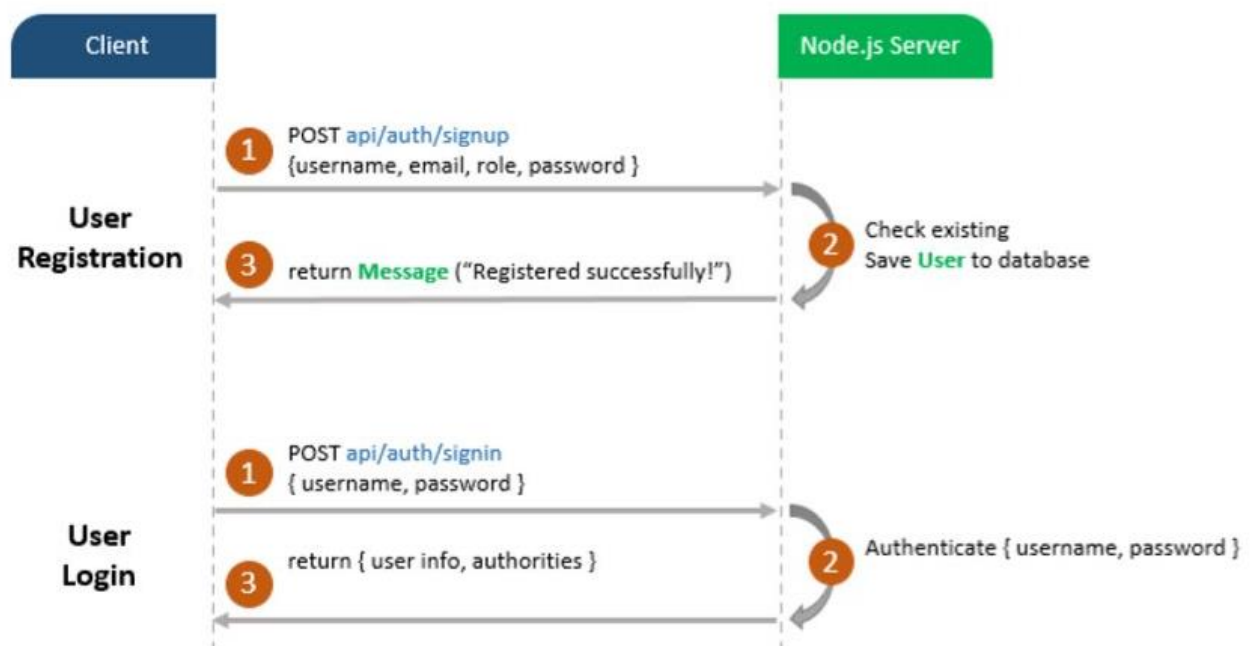
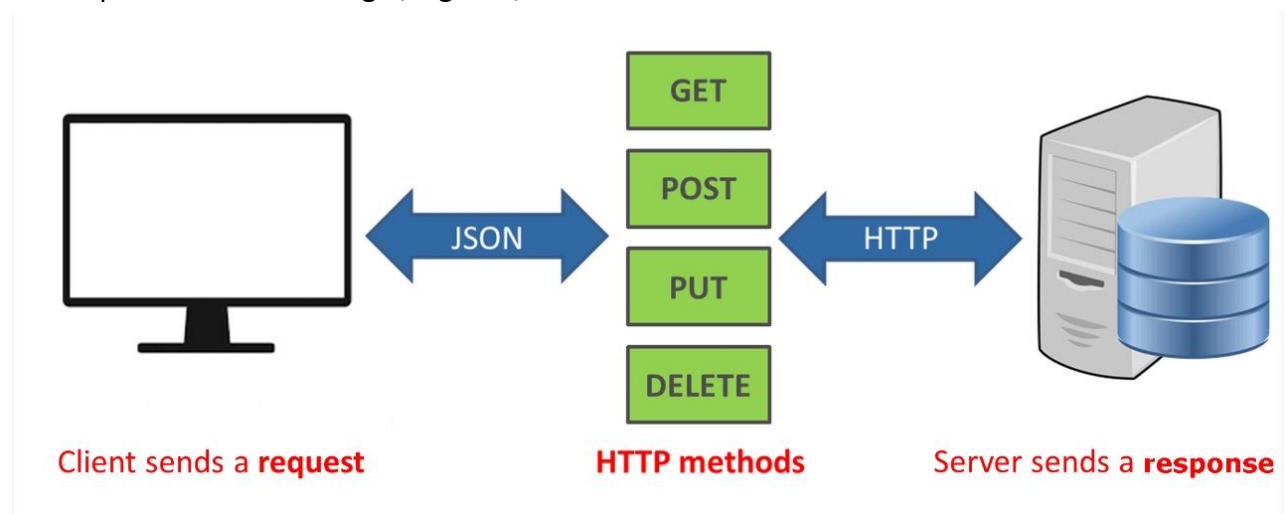
- **General features:** User can browse, search about Movies, TV Shows related information using these features.
- **User Specific features:** User can give their own reviews, add to Wishlist by logging in to the webpage.

Approach:

First, we created our project using Angular framework. Front-end of the page was developed using HTML (Hypertext Markup Language), CSS, Bootstrap. Then we created respective routers, components, Modules, Services. To store and retrieve the user data we used Mongo DB. To get information, we used TMDb (The Movie Database) API. Various components are connected to the webpage using **Typescript** files.

The Movie Database (TMDb) is a movie and television database created by the public. Since 2008, this incredible community has contributed every piece of information. TMDb's international emphasis and data breadth are unrivalled.

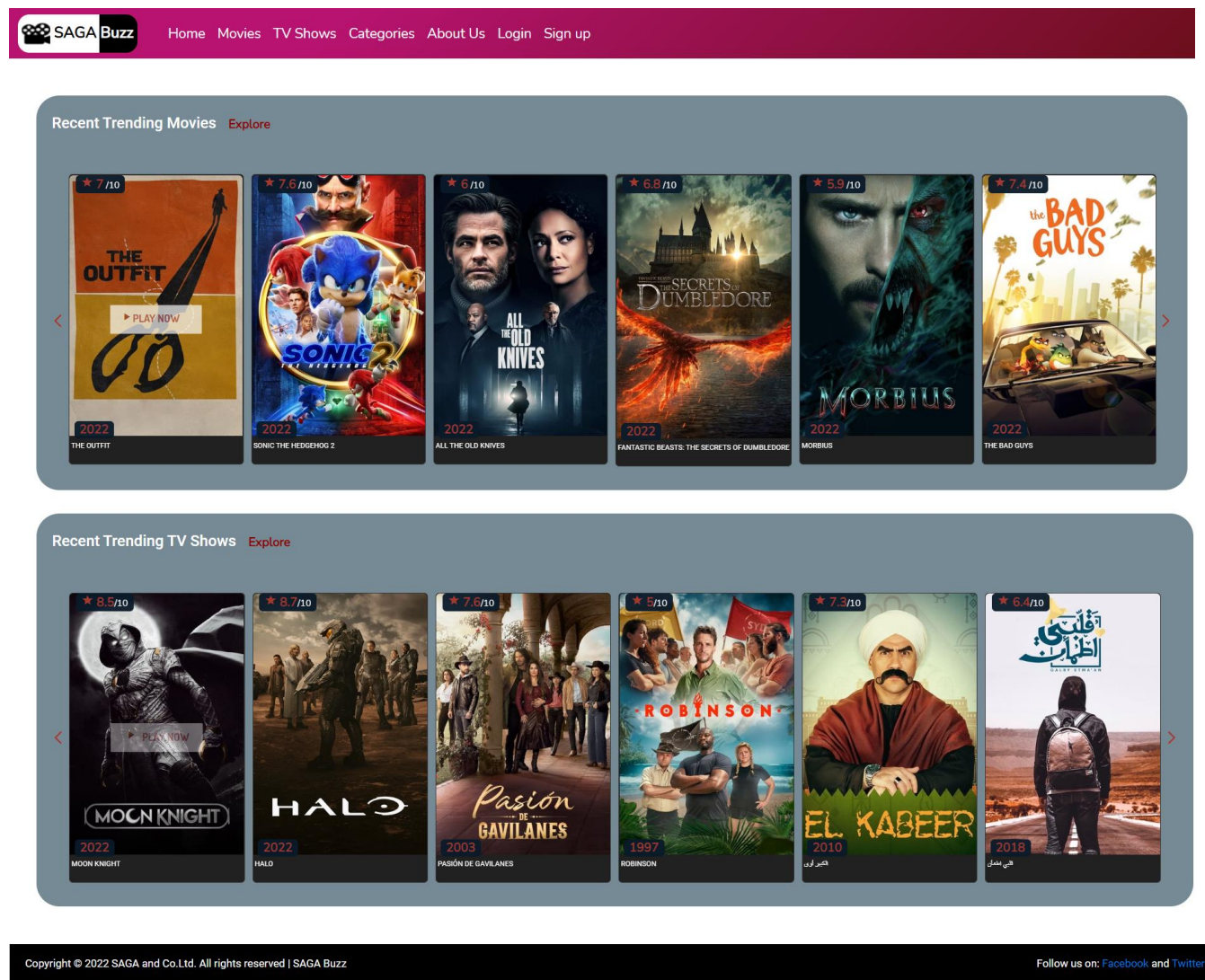
Movie, TV Shows information is fetched from TMDb API. we are using Express JS and developed APIs for User Login, Sign UP, Comments and Watchlist.



Features:

The HTTP Client API in Angular takes care of HTTP requests. When talking with a server, the HTTP protocol offers a lot of freedom. We used the HTTP Client API to execute GET, POST, PUT, and Delete operations on the data on the remote server.

1.Home will help to see the recent trending Movies; recent trending TV shows and you can see detailed information by using “Play Now”. You can use scroll “Next/Previous Arrow” to see next or previous movies/Tv Shows. You can use “Explore” to see the full movie/TV Show list.



2.Movies will help to see the top rated movies list and can search favourite movie from the list.

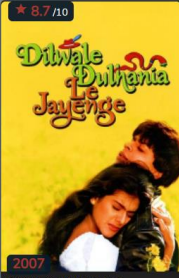
SAGABuzz

[Home](#) [Movies](#) [TV Shows](#) [Categories](#) [About Us](#) [Login](#) [Sign up](#)

Movies

[Go!](#)


★ 8.7/10



2007

DILWALE DULHANIA LE JAYENGE

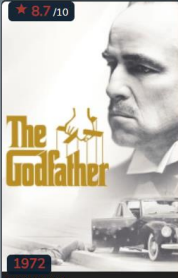
★ 8.7/10



1994

THE SHAWSHANK REDEMPTION

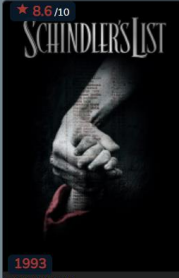
★ 8.7/10



1972

THE GODFATHER


★ 8.6/10



1993

SCHINDLER'S LIST


★ 8.6/10



1974

THE GODFATHER: PART II


★ 8.6/10



2020

GABRIEL'S INFERNO: PART II


★ 8.6/10



2016

DOU KYU SEI - CLASSMATES


★ 8.6/10



2021

VIOLET EVERGARDEN: THE MOVIE

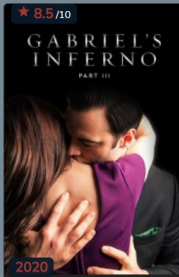
★ 8.6/10



2020

GABRIEL'S INFERNO


★ 8.5/10



2020

GABRIEL'S INFERNO: PART III


★ 8.5/10



2002

SPIRITED AWAY


★ 8.5/10



2017

YOUR NAME.


★ 8.5/10



2019

PARASITE


★ 8.5/10



2021

JOSEE, THE TIGER AND THE FISH


★ 8.5/10



1957

12 ANGRY MEN


★ 8.5/10



1999

THE GREEN MILE

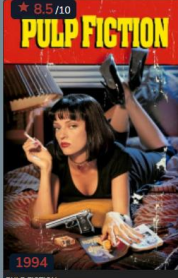
★ 8.5/10



2008

THE DARK KNIGHT

★ 8.5/10



1994

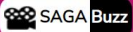
PULP FICTION

Items per page: 18 1 - 18 of 9131 < >


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3. TV Shows will help to see the top-rated TV Shows list and can search favourite TV Show from the list.


[Home](#)
[Movies](#)
[TV Shows](#)
[Categories](#)
[About Us](#)
[Login](#)
[Sign up](#)


TV Shows



★ 9.4 /10

THE D'AMELIO SHOW


2021



★ 9.3 /10

THE KARDASHIANS


2022



★ 9.2 /10

I AM NOT AN ANIMAL


2004



★ 9.1 /10

ARCANE


2021



★ 9 /10

GIVEN


2019



★ 9 /10

BTS IN THE SOOP


2020



★ 8.9 /10

RUN BTS!


2015



★ 8.9 /10

THE RISING OF THE SHIELD HERO


2019



★ 8.9 /10

METAL FAMILY


2018



★ 8.9 /10

THE PROMISED NEVERLAND


2019



★ 8.9 /10

ASOBI ASOBASE - WORKSHOP O.L.


2018



★ 8.9 /10

BANANA FISH

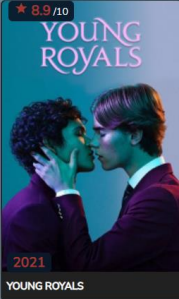
2018



★ 8.9 /10

YOUR LIE IN APRIL


2014



★ 8.9 /10

YOUNG ROYALS


2021



★ 8.9 /10

WELCOME TO DEMON SCHOOL! I.


2019



★ 8.9 /10

SK8 THE INFINITY


2021



★ 8.9 /10

MAID SAMAI

2010



★ 8.8 /10

MY HERO ACADEMIA

2016

Items per page: 18

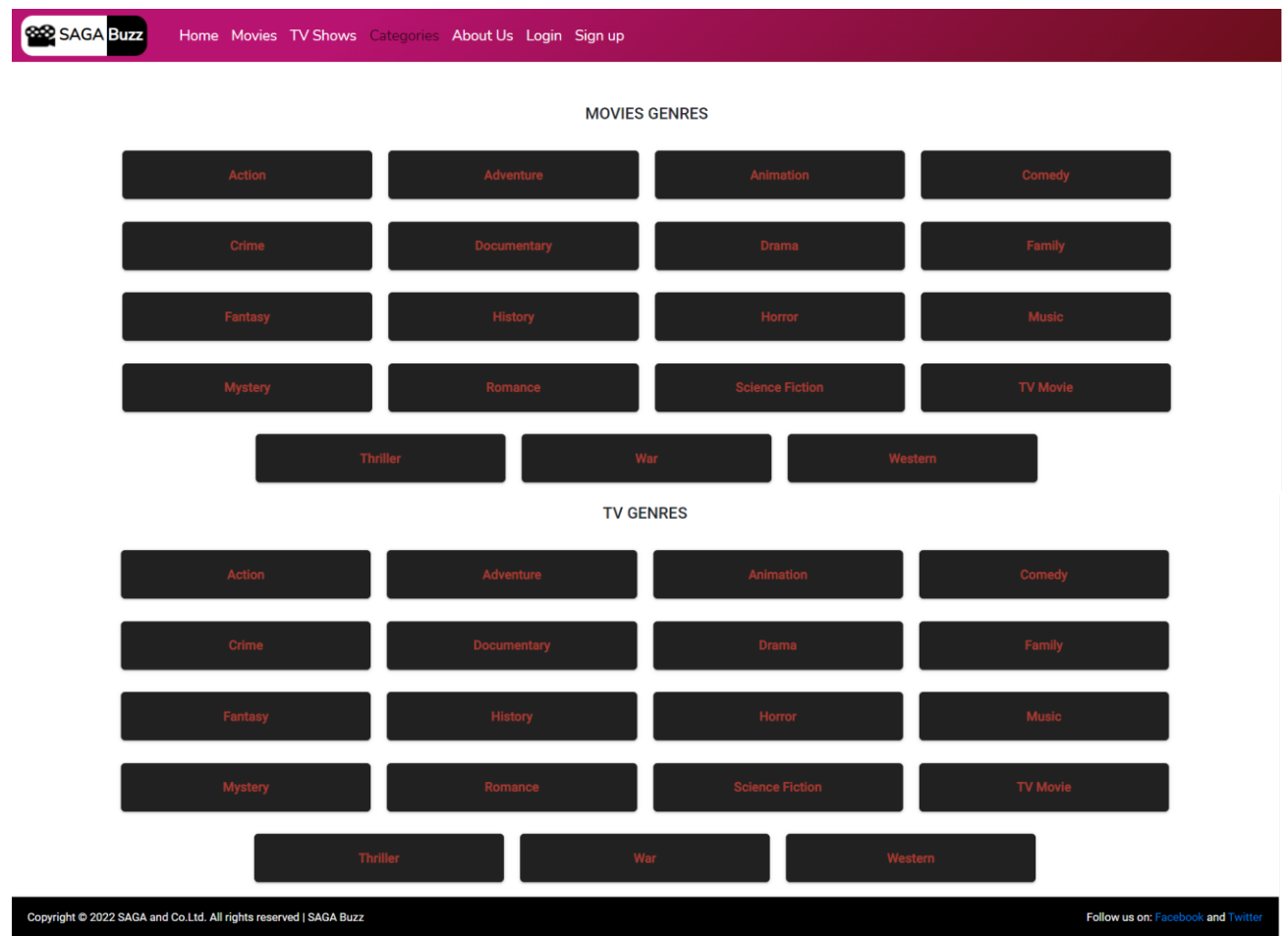
1 – 18 of 2391

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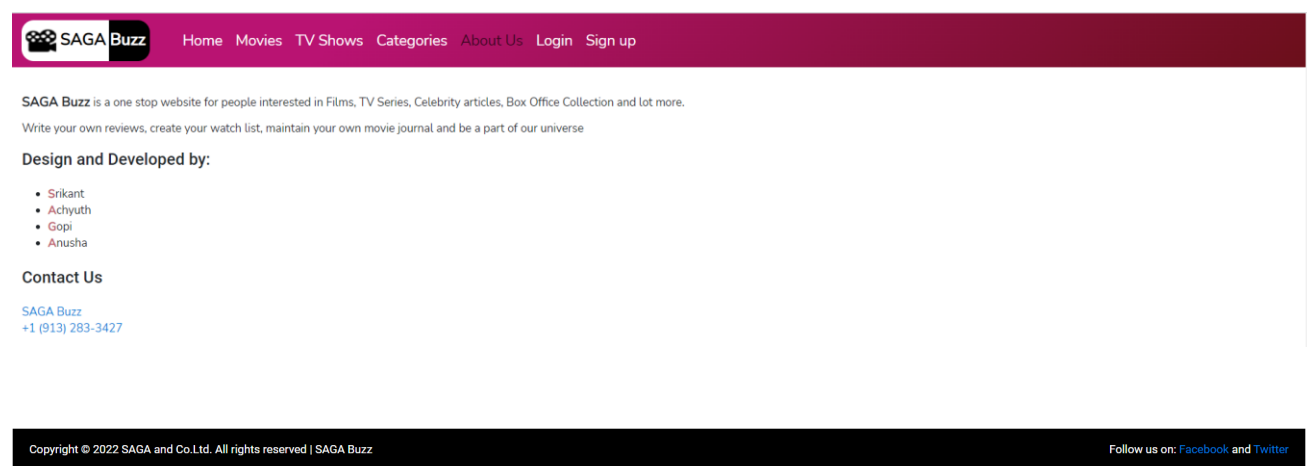
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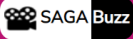
4.Categories will help to browse category wise Movies, TV Shows.



5. About Us will have the contact information and other details.



6. Login will help user to login to our webpage.

 [Home](#) [Movies](#) [TV Shows](#) [Categories](#) [About Us](#) [Login](#) [Sign up](#)

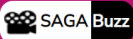
Login

Create new account

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7. Sign Up will help user to give their initial details to make their login.

 [Home](#) [Movies](#) [TV Shows](#) [Categories](#) [About Us](#) [Login](#) [Sign up](#)

Signup Here!

Date Of Birth :
mm/dd/yyyy

Gender :
☐ female ☐ male

Signup

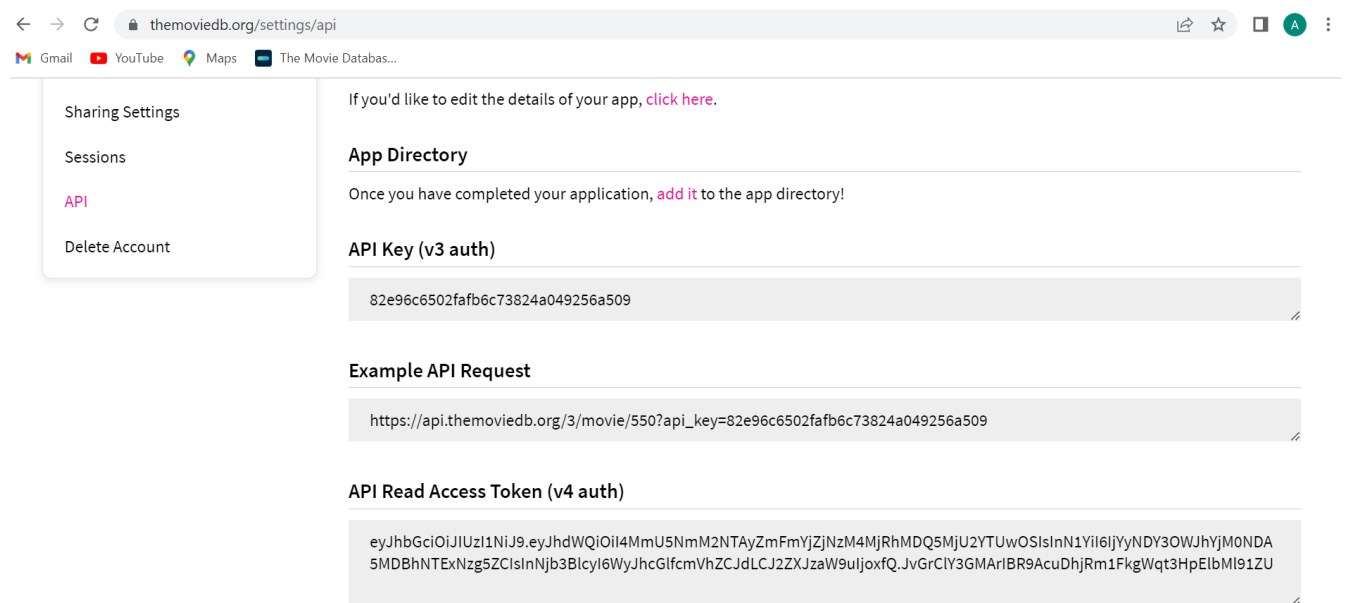
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Design Implementation:

For installing Angular CLI, in a terminal or command prompt we used “**npm install -g @angular/cli**”. After we created a new project using the command “**ng new SAGA Buzz**”. Navigated the project folder and executed the project by using the command “**ng Serve**”. In Angular Framework First, we made templates for each component using HTML, CSS, Bootstrap. Using routing functionality all the webpages are routed accordingly. In module.ts files of respective component have the path information.

We created an TMDb account to fetch Movie, TV Shows information using <https://www.themoviedb.org/>. We logged into the website and created an API Key to get data from server. In the HTTP Headers field, we used the produced API Key value.



```
constructor(private http: HttpClient) {  
  this.baseUrl = 'https://api.themoviedb.org/3/';  
  this.apiKey = '82e96c6502fafb6c73824a049256a509';  
  this.language = 'en-US';  
  this.region = 'US';  
}
```

We have created multiple services for fetching data from TMDb API. We imported “**HttpClientModule**” for accessing http client. When we click a component like Movies, TV Shows, Home etc..., using Get method respective information will be fetched from TMDb API.

PrimeNG is an alternative UI component library from PrimeFaces. It comes with a variety of pre-built themes and user interface components for data visualization, form inputs, menus, charts, overlays, and more. We imported this module for scroll pages, scroll buttons and for other UI features.

When we search for a movie name in the Movies folder, the results are displayed according to that search query. When we search for a movie, the searchMovies() function will be called first. To obtain the data, we used this technique to access the Movies Service. We were performing an API request in the "Movies. Service" file by providing the TMDB API URL, API Key, and language information. Then we used the http get () function, followed by the subscribe call-back and saved it to the "res" variable that we received from this API call. "res" variable contains all the JSON data. As we need only the results of search action, "res.results" is taken to display it on the webpage.

When user tries to login or Signup a Post API call is made to the backend with the form parameters as payload. Then these details are validated against DB for a valid user. Once the user is valid then the successful response is sent back.

Technologies Used (Till now):

- HTML
- CSS
- Type Script
- Bootstrap
- Angular Framework
- TMDB API
- Mongo DB
- JavaScript
- JSON

Future Scope:

Future scope of this project is to develop a review analyser which will summarise the opinions and give the satisfaction by performing sentiment analysis. And we can also develop a prediction feature based on Director, Actors, and past records.

Conclusion:

We have implemented most of the concepts learned in class and from ICP's. By doing this project we gained hands-on experience about development of webpage from scratch.

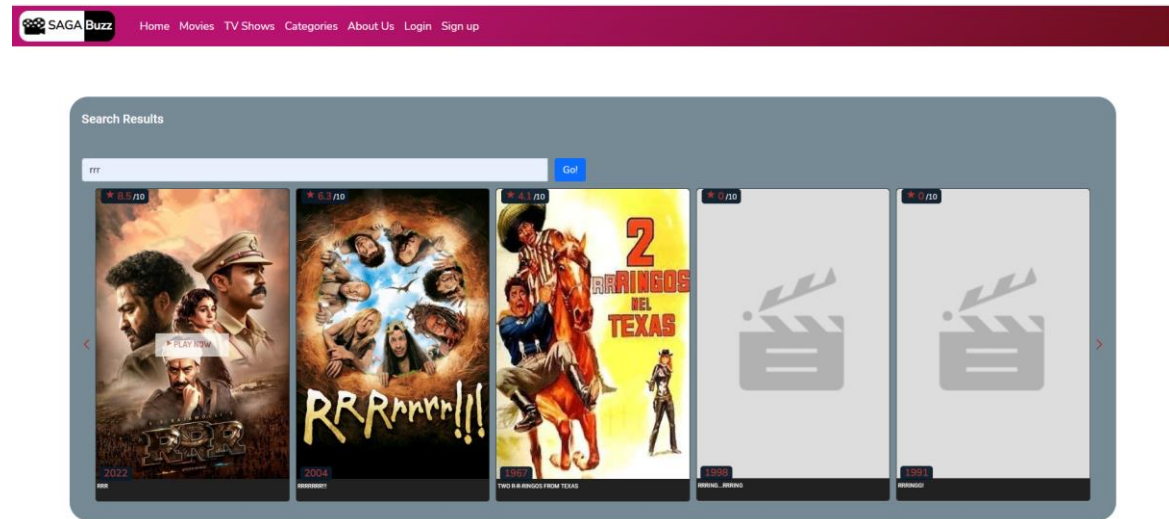
Working Screenshots:

Detailed CSS, HTML, Typescript of every component can be viewed in the below

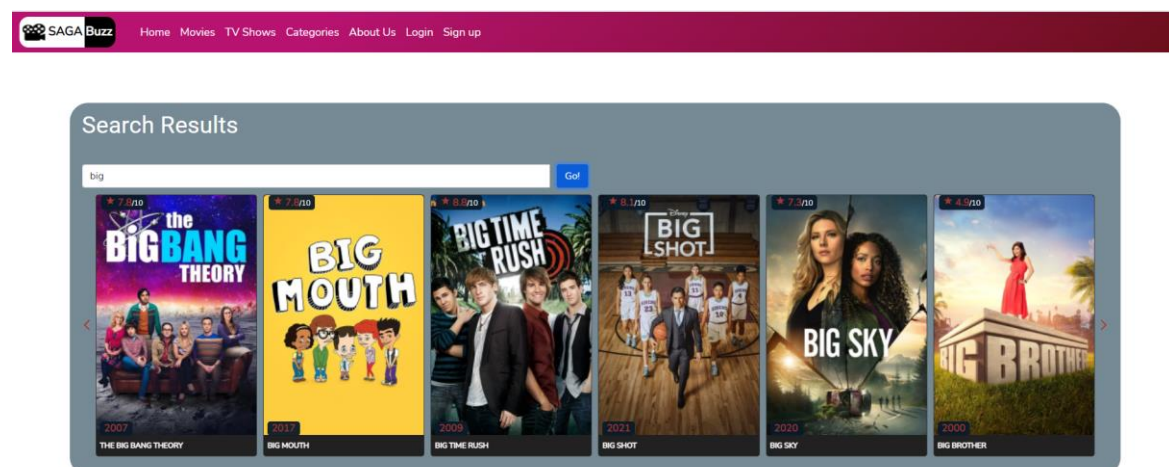
GitHub link: <https://github.com/AchyuthValeti/SAGA-Reviews/tree/main>

YouTube Link: <https://youtu.be/oHn8r0Fhvb8>

Movie Search Results:




TV Show Search Results:




User Sign Up:


The screenshot displays the SAGA Buzz website's user sign-up form. The header includes the SAGA Buzz logo and navigation links: Home, Movies, TV Shows, Categories, About Us, Login, and Sign up. The sign-up form is titled 'Signup Here!' and contains the following fields: Name (Anusha), Email (123@gmail.com), Password (represented by asterisks), Confirm Password (represented by asterisks), Phone Number (1234567890), Date of Birth (03/30/2022), and Gender (radio buttons for Female and Male). A 'Signup' button is located at the bottom of the form.

User Login:

 Home Movies TV Shows Categories About Us Login Sign up

 Home Movies TV Shows Categories About Us Anusha ▾


Recent Trending Movies [Explore](#)



★ 7.5 /10

2022


SONIC THE HEDGEHOG 2



★ 7 /10

2022


THE OUTFIT



★ 6 /10

2022


ALL THE OLD KNIVES



★ 6.8 /10

2022


FANTASTIC BEASTS: THE SECRETS OF DUMBLEDORE



★ 6.8 /10

2022

AMBULANCE



★ 5.5 /10

2022

MORBIUS

User Comments:


Anusha

This movie is so good! It was way better than the first one and just about everything I ever hoped for in a Sonic movie! The movie is a love letter to Sonic fans of all generations, while still being fun for more casual viewers! While the first movie was good, it was missing most of the elements and lore from the game series, but the sequel completely corrects that. I'm definitely a little biased as I'm a life long huge Sonic the Hedgehog fan, but I'm not kidding around when I give this movie 4 and a half stars! This is the most fun I've had at the theater in a long time!


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User Watchlist:

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Watch List: All your favourite Movies/TV Shows at one place



Sonic the Hedgehog 2

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Work Sharing/Module Sharing:

- **Srikanth Gude** – Movies, TV Shows
- **Achyuth Kumar Valeti** – Home, Play Now
- **Gopi Nelluri** – Categories, additional creative modules
- **Anusha Nelluri** – Login, Sign Up modules, Comments, Watchlist

References:

- [1] <https://www.w3schools.com/html/default.asp>
- [2] <https://www.w3schools.com/css/default.asp>
- [3] <https://www.w3schools.com/js/default.asp>
- [4] <https://docs.github.com/en/repositories>
- [5] <https://www.youtube.com>
- [6] <https://www.google.com>
- [7] <https://www.dailywritingtips.com/7-tips-for-writing-a-film-review/>
- [8] <https://en.wikipedia.org/>
- [9] <https://stackoverflow.com/>
- [10] <https://geeksforgeeks.org/>
- [11] <https://www.themoviedb.org/documentation/api>
- [12] <https://getbootstrap.com/docs/5.1/getting-started/introduction/>