

Report For Innovative Assignment
For
Full Stack Web Development



B.Tech. Semester IV
School of Engineering
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Cineguide: Movie Discovery App

Introduction:

- The Innovative Assignment is about a website that allows the client to search through a vast database covered by TMDB for searching their favourite movies and TV shows, showing their details and feature to add them to their watchlist.

Project Background:

- The project is about helping users to discover the movies they find interesting or they love.
- We can integrate a watch platform we developed or we partnered up with to get some profit also.

Technical concepts used:

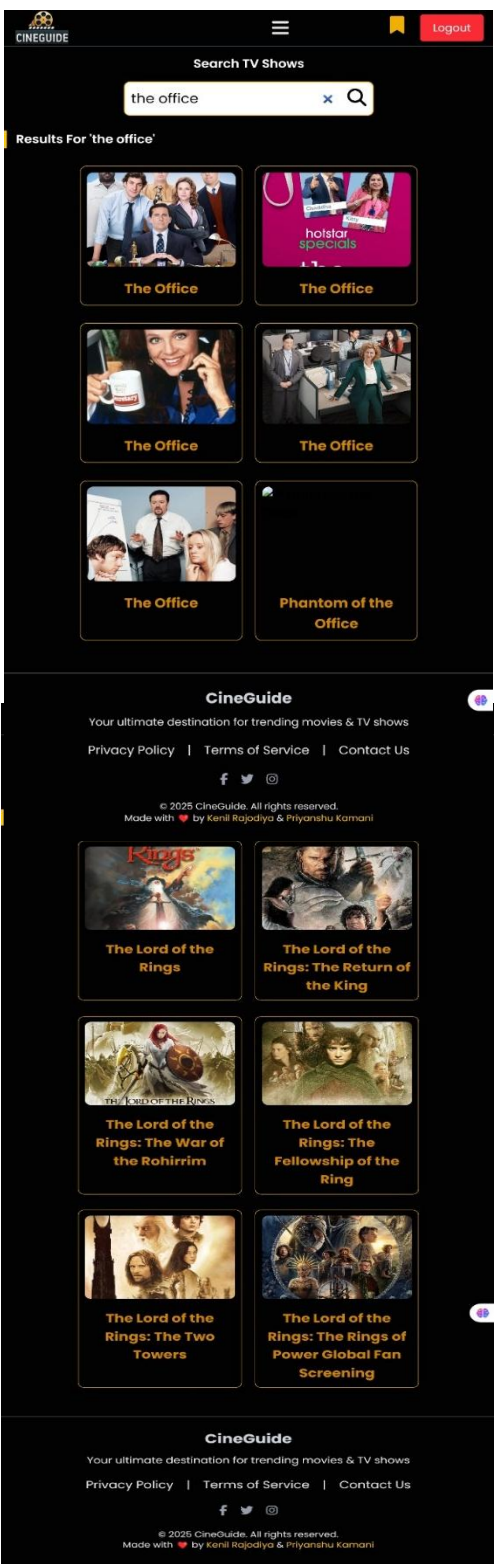
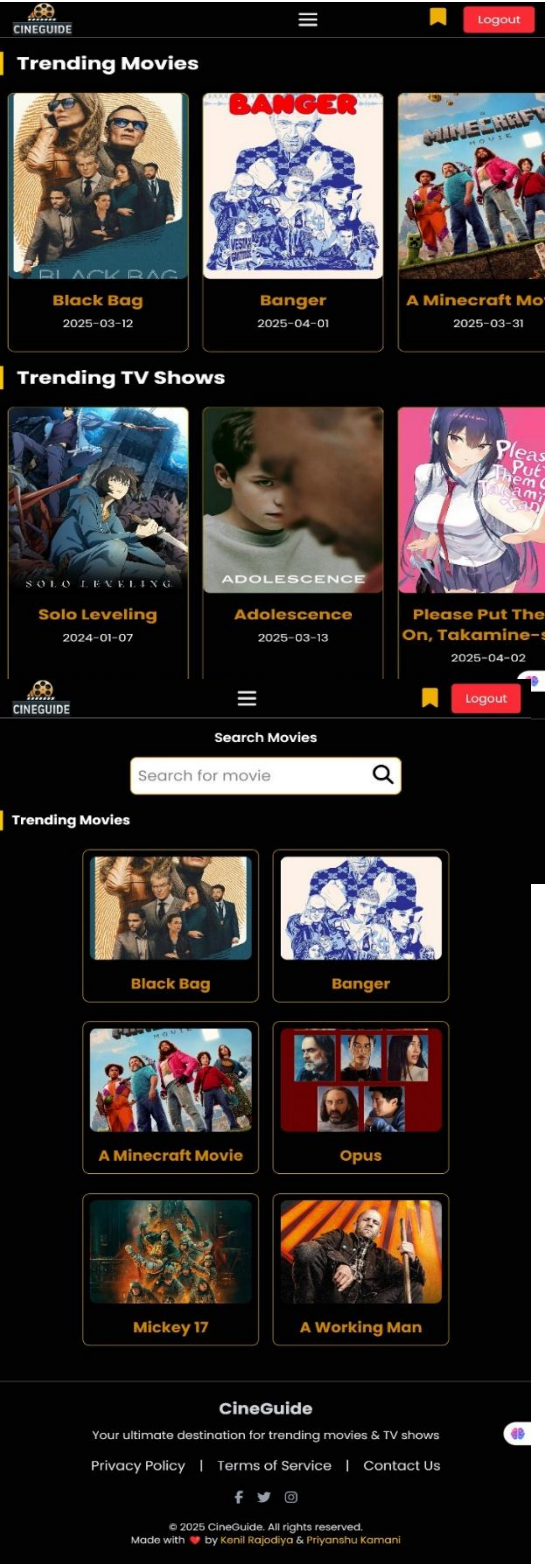
- HTML5, JS
- Tailwind CSS
- Node JS
- Express JS
- Mongo DB
- TMDB API

Functionality:

- On the homepage the user can see top 20 trending Movies and Shows navbar of the website, and register and login buttons.
- By registering the user can register on the website and the data is stored on the mongo DB server using Backend of Express Js.
- The data of movie and show are fetched from the TMDB api and the data is received in the json format.
- The JSON consists of title, secondary title, release date, director name, cast, genre, poster link, secondary pictures link etc.
- The user can login also if he has already registered for the website,
- If the Movies and TV shows sections firstly shows top 10 trending shows according to the api which changes daily.
- Both sections have a search functionality to search from the vast database of TMDB and gets its values from api and It shows related search results on the screen.
- This results only show brief information about the movie r show like title and release date.
- If user wants more information about the movie he can tap on the result movie poster and can reach a details page where he can see the cast, director, completion date for TV shows, Genre, IMDB ratings.
- The details page also have some scene screenshot and secondary posters.

- The main functionality is Add to watch later. The user can add it to watch later section inside the profile section whenever they need. They can remove them from the list also.
- The contact us allows the users to send their reviews and problems they are facing to the developers. They are stored in the DB with information like sender and the message.

Output:



Contact Us

Have any questions or feedback? Feel free to reach out to us.

Name

Kenil

Email

kenilarajodiya2005@gmail.com

Message

Hello ,How are you kenil?

Send Message

```
email : xyza333@gmail.com
message : "v fhydre5yjskctku yj"
createdAt : 2025-03-27T13:01:51.496+00:00
__v : 0
```

```
_id: ObjectId('67ea5bc64108a9bcb12d343')
name : "Vasu_Dhameliya"
email : "xyza333@gmail.com"
message : "Hello ,How are you kenil?wfofgwrowttorw"
createdAt : 2025-03-31T09:09:26.892+00:00
__v : 0
```

```
_id: ObjectId('67ee195127c4244d8444c074')
name : "Kenil"
email : "kenilarajodiya2005@gmail.com"
message : "hello this website is very good ."
createdAt : 2025-04-03T05:14:57.375+00:00
__v : 0
```

```
_id: ObjectId('67ee19ad27c4244d8444c076')
name : "Kenil"
email : "kenilarajodiya2005@gmail.com"
message : "Hello ,How are you kenil?"
createdAt : 2025-04-03T05:16:29.282+00:00
__v : 0
```

```
_id: ObjectId('67e15c513374812d5b904fba')
username : "asdfsdf"
email : "ashokrrajodiya1980@gmail.com"
password : "$2b$10$b3m3SI6Flm.XitCPq9QdquEy6So4RfSbjfihpVCQ9dUPkMo6Yq6Jq"
watchLater : Array (4)
__v : 27
```

```
_id: ObjectId('67e430398e49107a2f2f9011')
username : "Pk"
email : "temp@gmail.com"
password : "$2b$10$Xg20e17YCbUcFW1L0lQTQ.TIzu3ufcLfeu0rZf7mczhn5wIlafH9a"
watchLater : Array (empty)
__v : 0
```

```
_id: ObjectId('67e54bc87bb523492ae991ea')
username : "Vasu_Dhameliya"
email : "xyza333@gmail.com"
password : "$2b$10$VQzDPWiye8FeV4j4vBuowePQmi2sXFR8ZrQsIuqy4FCLxZtPs9kXu"
watchLater : Array (2)
__v : 0
```



Solo Leveling

Release Date: 2024-01-07

They say whatever doesn't kill you makes you stronger, but that's not the case for the world's weakest hunter Sung Jinwoo. After being brutally slaughtered by monsters in a high-ranking dungeon, Jinwoo came back with the System, a program only he could see, that's leveling him up in every way. Now, he's inspired to discover the secrets behind his powers and the dungeon that spawned them.

Rating: ★ 8.6/10

Genres: Animation, Action & Adventure, Sci-Fi & Fantasy

Runtime: N/A

Status: Returning Series

Production Companies: A-1 Pictures, Aniplex, Netmarble, D&C Media, Kakao piccoma, Crunchyroll, Crunchyroll

[Watch Now](#)

[Add to Watchlist](#)

More Scenes



CineGuide

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Username

Email address

Password

Confirm Password

Sign Up

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```
PS E:\sem-4\full_stack_web_development\project> cd .\Cineguide\backend\
PS E:\sem-4\full_stack_web_development\project\Cineguide\backend> node server.js
Server running on port 5000
MongoDB Connected
Feedback Received: {
  name: 'Kenil',
  email: 'kenilarajodiya2005@gmail.com',
  message: 'hello this website is very good .'
}
Feedback Saved: {
  name: 'Kenil',
  email: 'kenilarajodiya2005@gmail.com',
  message: 'hello this website is very good .',
  _id: new ObjectId('67ee195127c4244d8444c074'),
  createdAt: 2025-04-03T05:14:57.375Z,
  __v: 0
}
Feedback Received: {
  name: 'Kenil',
  email: 'kenilarajodiya2005@gmail.com',
  message: 'Hello ,How are you kenil?'
}
Feedback Saved: {
  name: 'Kenil',
  email: 'kenilarajodiya2005@gmail.com',
  message: 'Hello ,How are you kenil?',
  _id: new ObjectId('67ee19ad27c4244d8444c076'),
  createdAt: 2025-04-03T05:16:29.282Z,
  __v: 0
}
Adding to Watch Later: 67e54bc87bb523492ae991ea 1202479
Adding to Watch Later: 67e54bc87bb523492ae991ea 219246
Invalid Movie ID: 219246. Searching for correct ID...
Searching for correct TMDb ID for: 219246
Removing from Watch Later: 67e54bc87bb523492ae991ea 1202479
```

Future Enhancements:

- To make the website more future proof we can shift it to MERN stack development.
- As we discussed above, we can add partnered up watching platform integration and add a watch now button to redirect there and deploy it.
- We can check for SEO and cybersecurity standards to protect the user data and ensure successful and profitable run of the website.

Conclusion:

- I was able to learn about designing, coding, implementing and maintain a full fledge website. Learn about implementing the API, database and other frontend and backend technologies in the project and deploying it.