



MOVIE TOWN

a place for cinema folk

WHERE YOU CAN EXPLORE AND DISCOVER MOVIES
IN MANY DIFFERENT FUN WAYS

SEARCH FOR
MOVIES AND
TV SHOWS

ADD THEM TO
YOUR WATCHLIST
AND GET
REMINDERS

MORE FUN
FEATURES TO
COME

THIS WEBSITE IS MY NEW PROJECT
STILL IN VERY EARLY DEVELOPMENT
COMING WHEN IT'S READY

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Project Development for Movie Town



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for UITSEC Internship*

The Basic Idea

This is my Web Application project for UITSEC Internship. In this website you can search for different movies and tv shows. Explore their cast, director; see pictures of them and add them to your watchlist where you can get reminder to watch them. All the movies will be pulled from IMDb's database.

You will be able to create an account and see all of your movies from watchlist. There will be other features for created accounts, like commenting on a movie or giving your own rating, marking a movie as watched etc.

Different database applications will be used to provide better user experience. Such as Elasticsearch to make searching better or Redis to reduce loading times.

And more...

The Design

I will try to design both HTML and CSS myself. If things get out of hand, I will try using Bootstrap and maybe different templates.

Interactive and eye-candy elements will be my main design idea. There will be things like blur and responsive design. Again, if I can not make these things, I will settle on a template. Since design is not my main problem here.



The Technology

On my website users can create and login to their account. Most, if not all features will be only available if you login. All passwords and other sensitive info will be encrypted on the server.

Main database will be MongoDB. All the movies, users and other information will be stored there (locally). There will be Elasticsearch built on top of it. Search operations from the user will be from this database. The most common elements, like the logo and daily quotes etc. will be pulled from Redis cache. I will try to keep Redis synchronized with MongoDB. On the other hand, RabbitMQ will be used as an interface. All these CRUD operations are done as requests. These requests will be sent from 'producers' to 'consumers'.

For example, when you create an account, your info will be on MongoDB. Unsensitive info, like profile picture, will be cached to Redis. Initially all movie data will be copied from MongoDB to Elasticsearch. If you search for a movie Elasticsearch will be used to find it. And all these operations will be sent from RabbitMQ producer to consumers.

Web security is not something I am good at, but I will try to make my website as bulletproof as I can. Sensitive info will be encrypted, and other basic security features will be applied.

There can be many different features of this website. I will come up with other creative and fun ways to interact with the data.

Currently my main goal is to finish basic features like CRUD operations on movie and user database and creating accounts. After that I will improve on the system by adding features and making everything prettier.