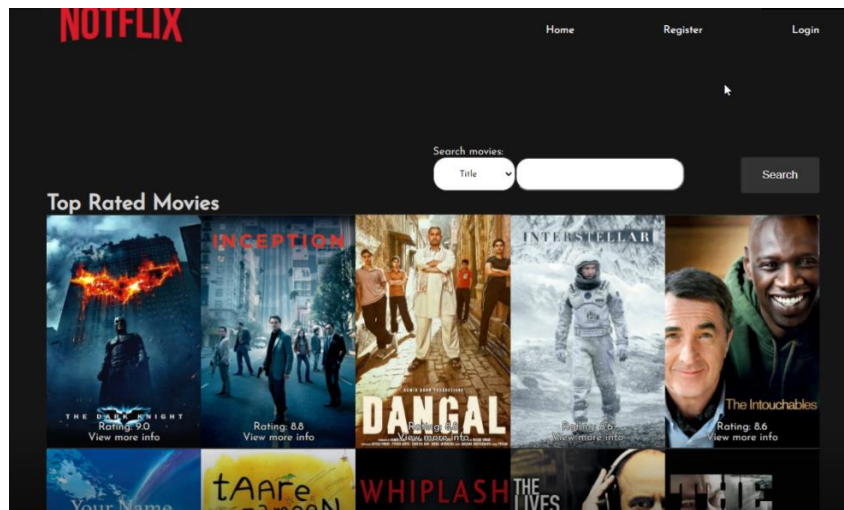


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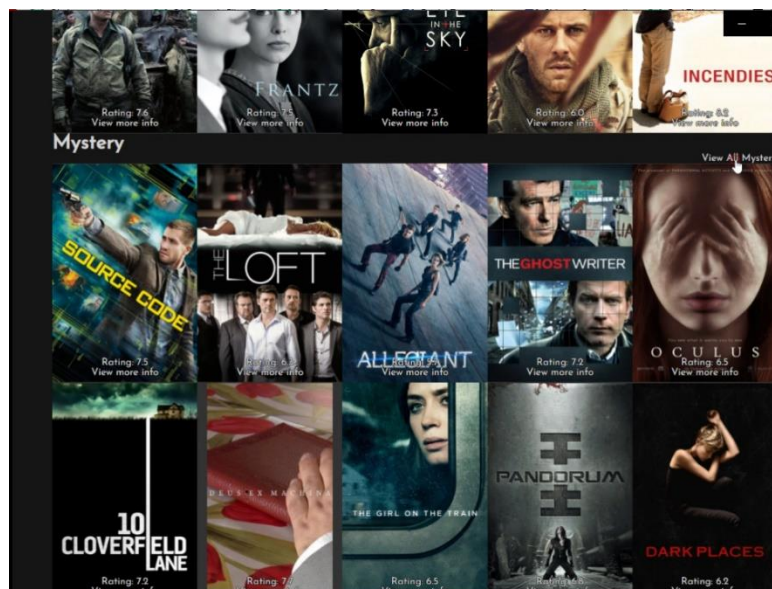
Compsci 235 Design Report



I wanted to make my website have a familiar look to everyone who's interested in moves and Netflix instantly came into mind. I was inspired by the simple and modern design that they use and wanted to implement the design into my own. I used

quite a dark theme as most of the time when you want to look at movies or find new movies it's late in the evening which will be met more nicely with a dark theme rather than a light theme.

I also decided to let the viewer of the website to be met with the top 10 rated movies to just be reminded of some movie classics or if they haven't seen them they will know of some must see movies to watch.

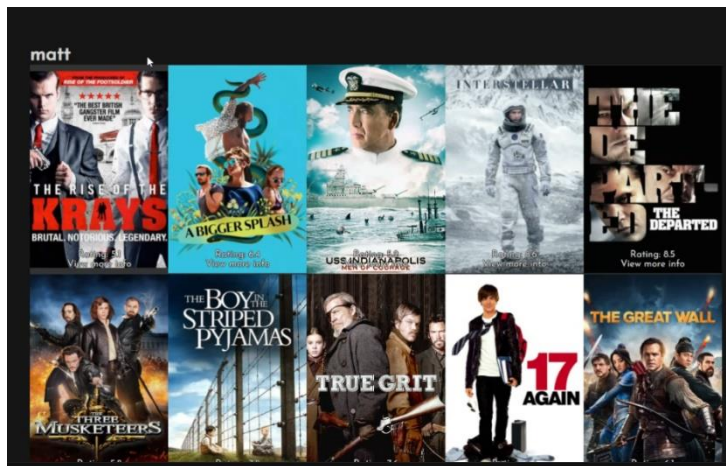


Instead of adding a search for all the genres I decided to add a Netflix style of scrolling through genres where you scroll down and you will be met with 10 random movies of that genre and if you want to view more movies of that genre, clicking the View all link will direct you to a page where you will be met with all movies by that genre.

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Through testing different sizes of the the background images I came up with the best height of 450px each to properly display the images without cropping anything out and 20% width to make sure 5 images were displayed each set of movies. After implementation I tested this in different browser heights and widths and found that using the background-size:cover; csss element was best for browser widths over 1670px; otherwise if the browser is less we change the background-size:contain; to make sure the width of the background images always touch the next movie so we don't have any awkward space between them.



I decided to use the same kind of layout for all kinds of different searches so I could re-use the templates and blueprints without having a negative effect on the viewer's experience, so all movies related to that search would be displayed in this kind of set up and if there was a movie which

caught your eye you can click the view more info text link to view the information related to said movie. I also decided to add the images by getting them from the OMDb API and getting the hyperlink for the movie poster for every movie so whenever a movie gets read from the movie_file_reader we will also add a element into that Movie class element with the image link so they are connected.

With the Register and Login pages, I wanted to also add a sleek, minimalistic and modern design so I made it quite simple to look like this, where the login and


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register pages are reusing the templating in the html but do different functions depending on what flask location you are. The logout section will only be displayed when you are in a session otherwise the login page will be displayed. The username will be displayed in the navigation blueprint so it gets displayed on all different pages.

With the search function I also considered people misspelling their search so I whenever I grabbed the Title for a movie after a search for example I would check all movies and then check if that string was contained in that title and if it was then retrieve said movies. Instead of just making sure that they were the same title and search string. I also made sure to make both the title and string into lowercase letters so different cased letters wouldn't interfere with the search.

Inception



A thief, who steals corporate secrets through use of dream-sharing technology, is given the inverse task of planting an idea into the mind of a CEO.

Actors: Leonardo DiCaprio Joseph Gordon-Levitt Ellen Page Ken Watanabe

Director: Christopher Nolan

Runtime: 148m

Release: 2010

Rating: 8.8(1583625.0) Metascore: 74

[Comment](#) [reviews](#)

Didn't like it, final score: 0 by daneln,

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This is the layout of the information page for a movie I decided to use, which conforms to the general design to all of the other pages with using a dark theme, I didn't want the comment section to look oddly out of place so I made it look quite similar to the information box in terms of colouring and style.