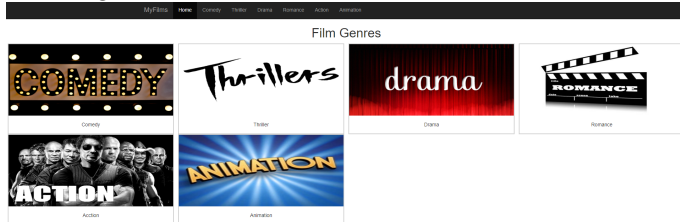


MyFilms Web Application

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Figure 1: Home page of my web-app with all different film genres to the top of navigation and menu thumbnails responsive images.



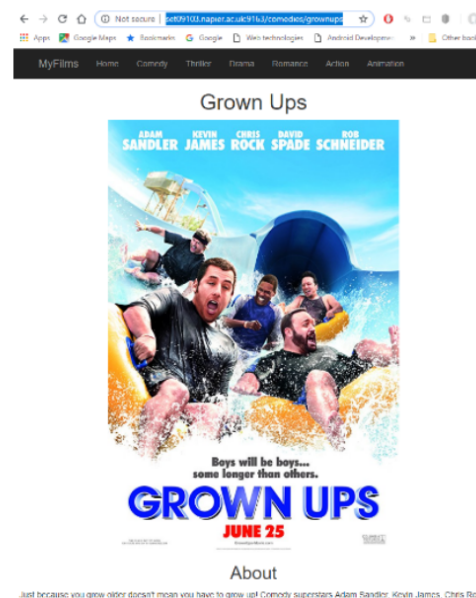
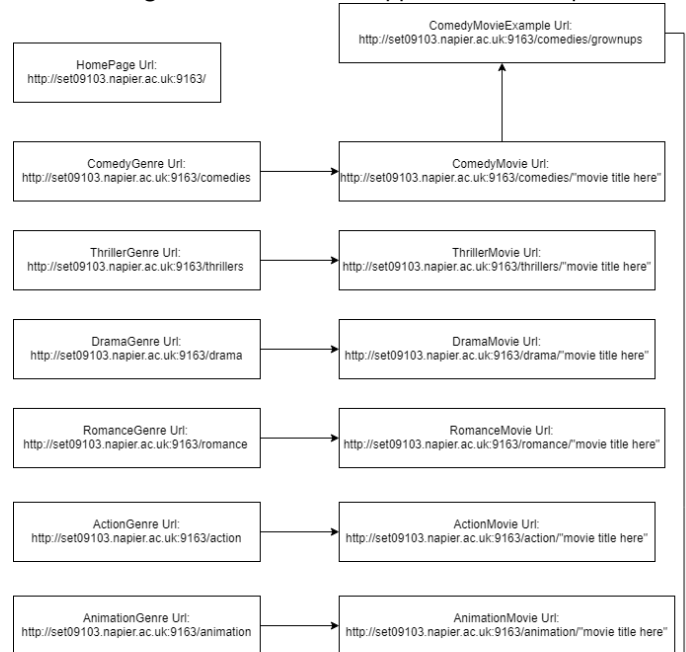
1 Introduction

This is my report for advanced web technologies course-work 1. In this project i created a web application using python flask for routing, bootstrap for my main design and HTML, CSS and JavaScript for everything else. I am aiming to start my sites navigation to my home screen where the user can navigate anywhere either through the responsive images either through the beautiful top navigation bar on the top of the page. The user has the option to read useful information of every movie available on the web-app, search individually in each section for a desired movie and route easily and quickly around the app. It is a simple movie informative web application compare to other web-apps/sites in the market but it is simple which makes it very easy for the user to find its way around and provides good user experience.

2 Design

I created my web-app with a top navigation bar using bootstrap HTML and CSS. In addition i wanted to create a navigation bar because it visually looks nice and organized, then from a technical perspective is user friendly (straight forward) and very easy to use as everything is there laid out for the user. Also the user can easily navigate wherever using the navigation bar because there is a consistency in the design, the navigation bar is always at the top making it easy to go to any desired section from anywhere in the app. Moreover, i have also made the elements within the app to scale as the window resolution changes making it usable in smaller resolution as well. Therefore, the user has the option to search something within the app using nothing but the URL due to the URL hierarchy (check figure below). Furthermore, the user can access each different section of films and search for whatever movie desire, although the search function goes only through the movies of the specific section. Also when


Figure 2: URL hierarchy design shown below. Briefly maps how to navigate within the web-app with an example



displayed on a smaller resolution it is convenient to press the brand button ("MyFilms") to navigate back to home page to narrow down the actions to one tap (rather than tapping on the drop-down menu and then home). The web-app offers each movie individually in a separate template providing details about the movie like "Director", "Writer", "Genre" and "Duration". Also there is a beautiful picture in each movie

template about the movie to give the user a visual taste of what this movie is about.

Figure 3: Possible enhancement would have been to being able to log in in the web-app.



Username

Password

Login

☒ **Remember me**

Cancel [Forgot password?](#)

3 Enhancements

Furthermore nothing is ever perfect, so there are things that could be added to the web-app and make it a lot bigger and better in terms of design content and functionality. Additionally i will definitely need to add a lot more movies to achieve a closer to reality working web-app that people actually would want to see. I could also add reviews and ratings by other users in each movie. Most importantly i could add logging in for security and storage of personal preferences like "favourite movies" for example where the user can store on its own account its favourite movies. Also with account system the users would be able to review and rate each movie so other users can see whether they will see the movie or not. Moreover i could add trailers and links to where the user can watch a movie at a cinema according to the users location and if the specific movie still shows at cinemas. I could also add filters so users can maybe choose a specific year of movies or want to find a movie that they remember to be in a specific period of time. Also in the main screen i could have added a carousel with images to switch on timescale and improve the presentation of the home page.

Figure 4: Comedy section illustrated below with the search bar and all the available movies in the comedies section

MyFilms	Home	Comedy	Thriller	Drama	Romance	Action	Animation
Comedy Films							
Search for movies.							
Grown Ups (2010)							
Grown Ups 2 (2013)							
Harold and Kumar Go to White Castle (2004)							
Neighbors (2014)							
Superbad (2007)							
Dumb and Dumber (1994)							
The Hangover (2009)							
The Hangover Part II (2011)							
The Hangover Part III (2013)							

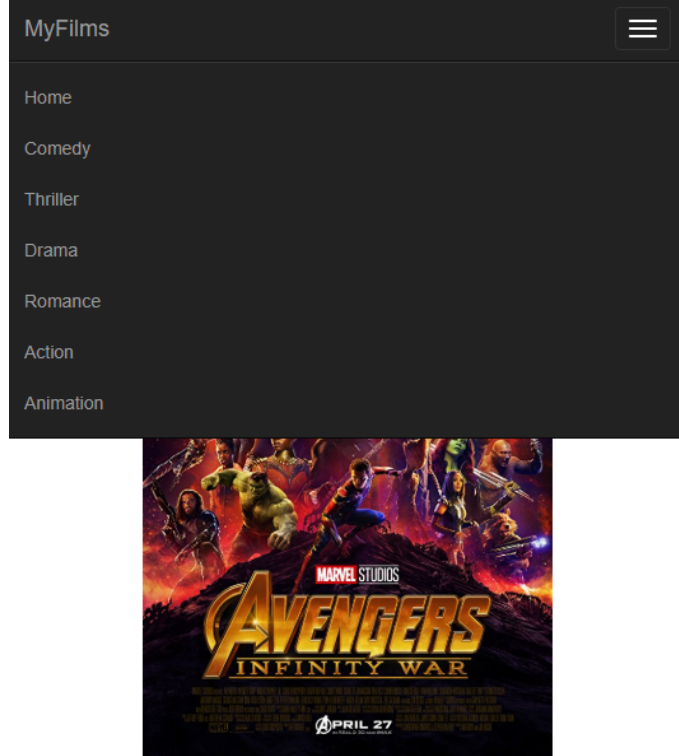
4 Critical Evaluation

In comparison to the original concept i did well and managed to achieve a working web-app with the basic concept of a movie collection web-app. I was asked to implement a simple web-app which i did, i find that my web-app is visually nice organized and has good routing around the application. The application is divided in six different genres of movies. Each genre is a different collection and has nine movies. In each collection there is the ability to simply search for a movie using a search bar on-top of the movies within the collection. As the user types to search for a movie, each letter the user inputs from the keyboard narrows the movies search results down and helps the user to find the movie without even writing the whole word. Also after each movie title there are brackets with the year the movie was released, so the user can search by year as well. Also i feel that except from the individual movie templates that the image is a little bit big on full screen window the elements on the web-app scale very good when re-sizing the window or using the web-app on a smaller device or in general smaller resolution. Although i am not even close enough to web-apps like "IMDb" i had fun doing this web-app and can make it into a huge web-app with plenty of movies and maybe series as well in the future.

Figure 5: Below we can see applying a search on the specific section what happens. As you can see only the two movies that have "gr" appear now on screen.

MyFilms	Home	Comedy	Thriller	Drama	Romance	Action	Animation
Comedy Films							
gr							
Grown Ups (2010)							
Grown Ups 2 (2013)							

Figure 6: As shown below on smaller resolutions the navigation bar modifies to a drop-down menu with the different sections of the app and the image scales to the resolution and becomes smaller.



About

The Avengers and their allies must be willing to sacrifice all in an attempt to defeat the powerful Thanos before his blitz of devastation and ruin puts an end to the universe.

Genre	Directed By	Written By	Runtime
Action	Anthony Russo, Joe Russo	Christopher Markus (screenplay by), Stephen McFeely (screenplay by)	149 Minutes

5 Personal Evaluation

In my opinion i learned lots of things from this assessment like creating an application with python flask and use bootstrap and git hub once more. I also learned how difficult it is to create a web directory with so many contents without a database to load each separate movie in a master template. Also through conflicts from my router methods i completely understood the way python works with the clientside. I feel that i could add a lot more stuff in my project as detailed in the Enhancements previous section and that i could make it look at least more realistic to the working sites that are out there in the market.

References

<https://www.w3schools.com>

<https://www.imdb.com/>

workbook of the module: Chapter 9 (Bootstrap)

Figure 7: Register form for new users

