Coursework Report

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A web app which categorizes reviews for anime and games by loading json files with the information into a base template.

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1 Introduction

T his web-app uses a combination of Python, Jinja2, and JSON to create a categorized index of my favourite anime and video games, assigning each a rating and a short description. The reviews are stored as JSON files which are loaded by taking a variable passed through the URL to then load the file into a template of HTML and Jinja2 tags.
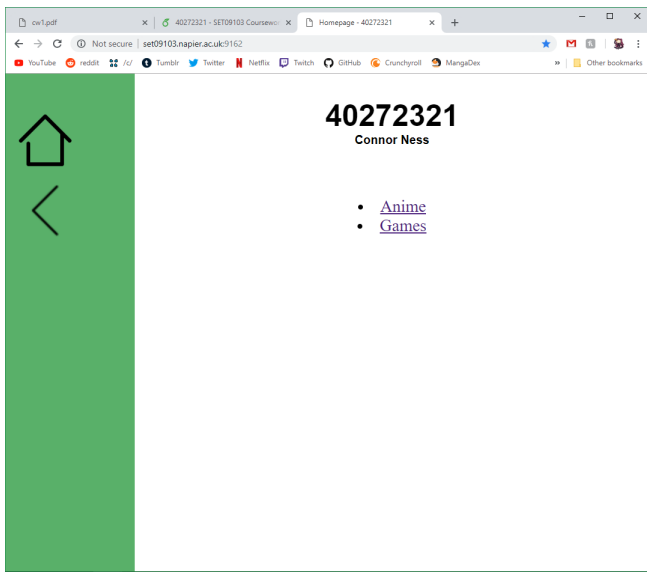

Figure 1: Homepage

Four templates are used. The first being a homepage which allows the user to select between viewing the "anime" category or the "games" category. The next two are almost the same - They generate a list of hyperlinks that lead to the review pages. The final one being a base page which pulls the title, rating, and description from the JSON files.

As previously stated the JSON files are pulled by taking a variable from the URL, this URL variable is added from the hyperlinks in the list.
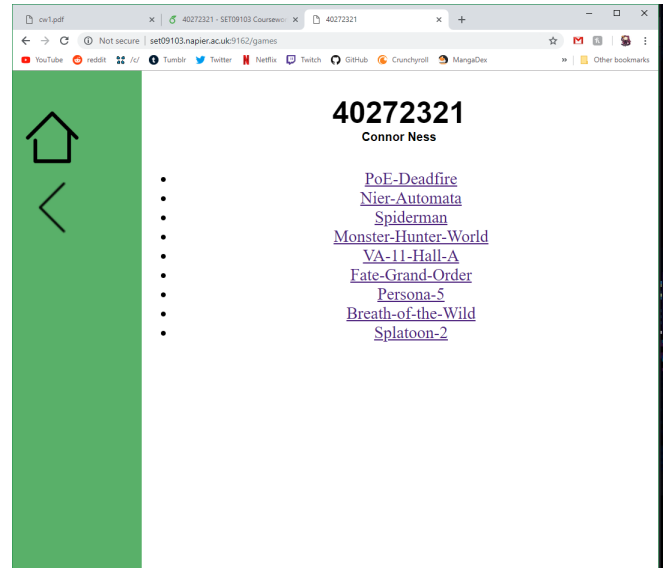

Figure 2: Games page list

2 Design

T he web app was designed layout wise in such a way of separate categories with sub pages was chosen as it allowed the page to have a certain amount of innate organization.
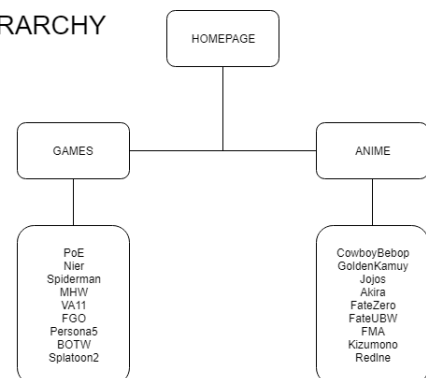

Figure 3: URL Hierarchy

The page with the base HTML template has three "¡p¿" tags with different classes to apply different CSS methods to them. This leads to the differing font sizes in order of Title > Rating > Description.

The CSS was created from the base of a previous CSS file used for a previous project. It was altered in certain ways such as the colour palette and the navigation bar moving
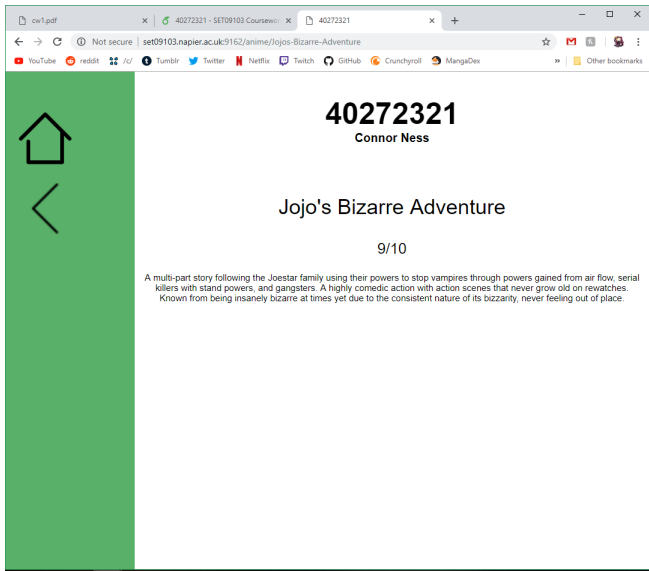
Figure 4: An anime sub page generated with a JSON file which contents relate to "Jojo's Bizarre Adventure"

from the top to the side of the page, also the navigation content changed from text which became a drop down on hover, to interactive images.
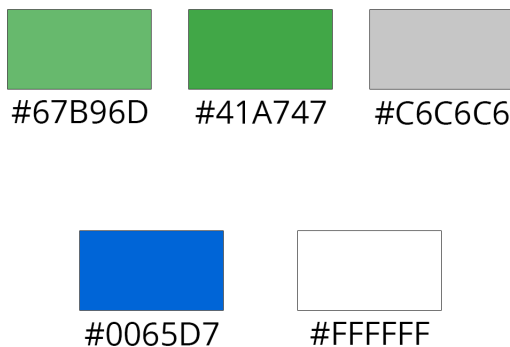

Figure 5: Palette

3 Enhancements

O ne of the original features that was removed was to implement was specific to "games" subp ages. Originally I was going to have a Steam embedded link to allow the user to purchase the game. This was scrapped when there was difficulty on embedding a link to the PSN store as several of the games are not on the PC platform.

The list system was also originally a table-grid system. This looked nicer and took up more of the white space but when loading in the names for the table, it became a

1x9 table which was against the original aim and was thus changed.

4 Critical Evaluation

T he web app functions at the minimum functional level with no extra features. I feel the system for loading in the list would be a lot more scalable if it was loading in a JSON or text file with a list of the names, or looping through all JSON files and pulling out the titles of them.

I also wished to have an input system but was unable to correctly generate a JSON file from inputted data and would also have to have implemented the previously mentioned file containing names.

5 Personal Evaluation

I feel I performed at the expected level as I created a functional app at the requested level. However I wish I could have created additional features to flesh out my original idea and sketches of the app rather than having to downgrade due to time constraints.

Although adequate time was allocated, I personally find it quite difficult to motivate myself to work on coursework on the same days I am working. This is what mostly factored into the limitations.

6 References

B ack icon used in app: https://icons8.com/icon/1806/back

Home icon used in app: https://www.iconfinder.com /icons/392500/ estate_home_real_icon