Keywords – Fill, These, In, So, google, can, find, your, report

1 Introduction

This document is used for documenting the design , enchantments , critical evaluation, personal evaluation, references and possible appendixes for the project.

For this project i have been tasked with scripting a website application using Python, Jinja templates and with the additional aid of the bootstrap framework.

The task was to create a online website directory displaying information of any genre / category of my choice, for this i have chosen to do a directory on Hardstyle Sub genres, the website consist of Sub-genre's of the Hardstyle scene originally from the Netherlands.

The Following sub genres will be available on the website "Nu-style" , "Rawstyle" , "Euphoric" and "Oldschool"

The website consists of 8 pages the main attention being the directory main page.

this website was developed to be small but will be improved and change when more time is available for any upgrades.
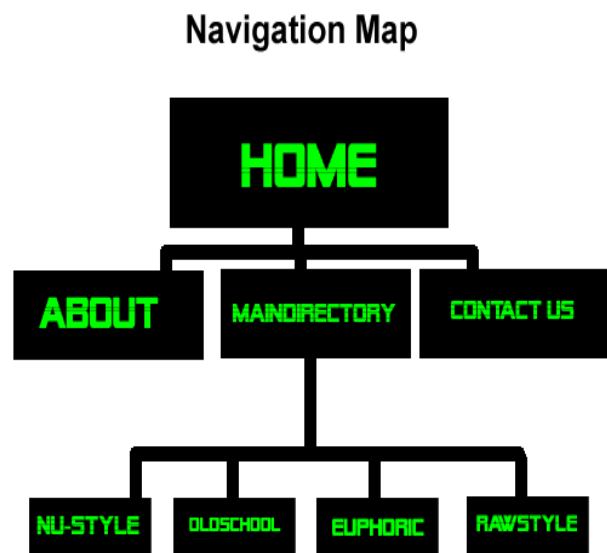
1.1 Website index page
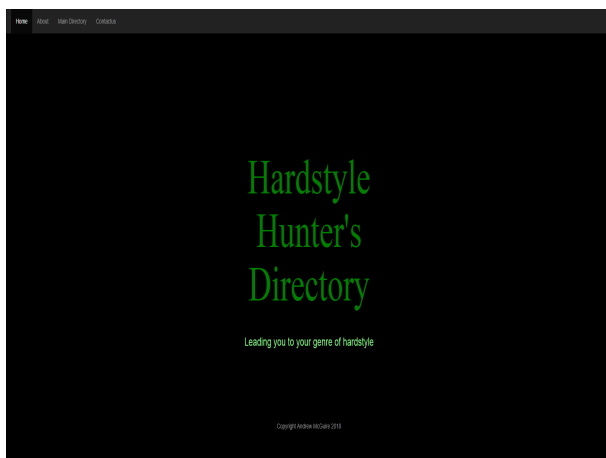
2 Design

Starting off with the design section, when making decisions for this website i first planned off what pages would be necessary and what colours would be used, due to time constraints on this projects wireframes and storyboards were taken out of this project.

2.1 Navigation Map

As the image above shows navigation route of each page, as this is a directory website i decided to have the sub genre pages accessible by the main directory page. while each other page could connect to each other.
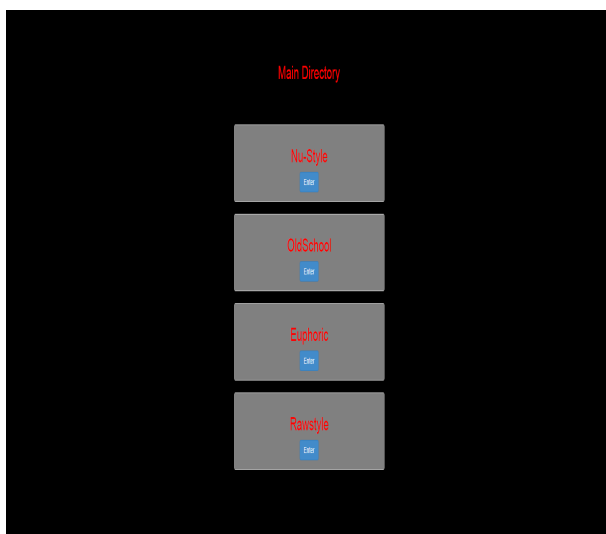
2.2 Images of the website

Below are images displaying how the website looks after development after this section i will document why i used the colours used on the website.
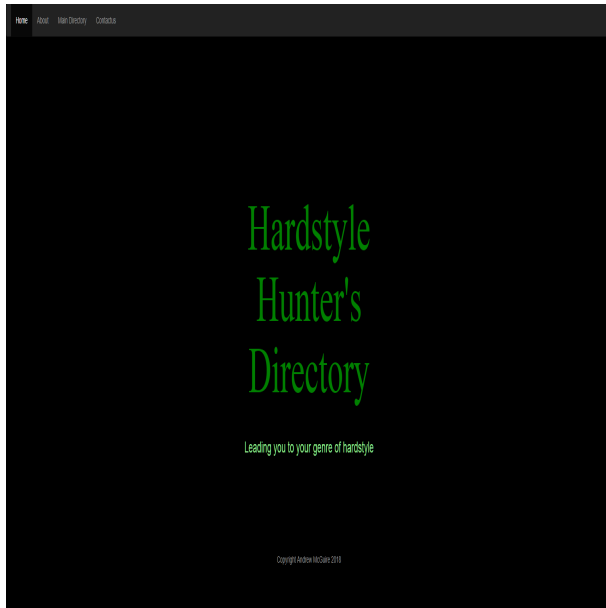
index page
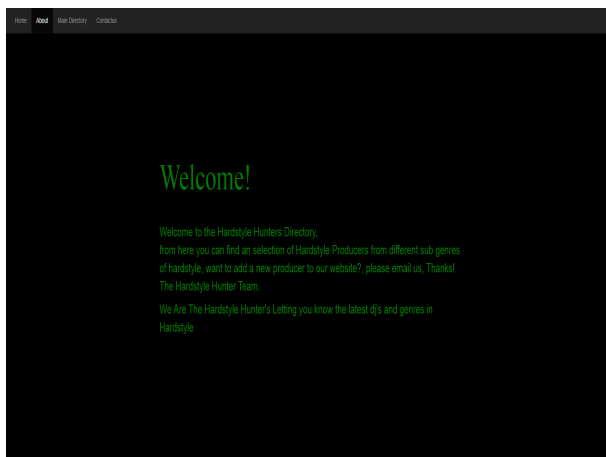
aboutus

main directory

sub genre page
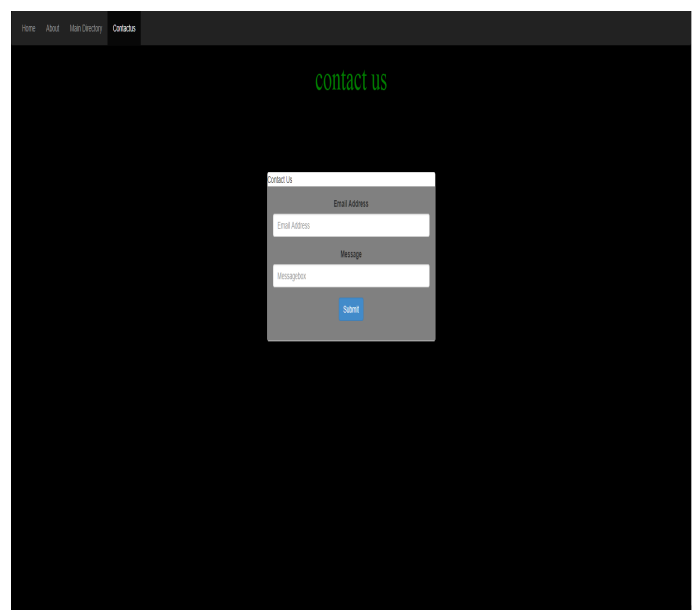
contact us page

2.3 Design Decisions

This subsection is for documented reasons and decisions why i used the colours i did for the website, along with the website layout and other content.

colours used

background colour of website: black

text colour for main website : green

main directory html colours : red , blue(for buttons) grey (panel background)

sub genre colours: red (panel heading), red (panel heading text), green (panel background), red (panel body text).

contact us colours: grey

reasons for colours used

The reason the colours have been used for the website are as follows, due to this being a music directory i decided to use green as one main colour as this directory is techno based.

I used grey for the main directory sub navigation panel boxes along with red and blue to stand out and be easily seen by the user.

reason for panels used

The reason for using panels on the website to keep everything organized and spaced to prevent the website looking crammed and uncomfortable to a user visiting the website.

reason for having directory pages accessible from only one page

When researching other directories, i noticed that they would use one page for linking each category of genre, i decided to take on this layout approach to prevent navigation panel clutter and keep the website looking clean and organized.

3   Enhancements

This section will document enhancement's to the website i would improve or add.

External links

As an improvement, i would convert the links to buttons if i had extra time and effort i would make the links into buttons to make the website look more modern and not clustered with URL links.

Add Photos to website

To improve the website i would add one or two images for the main page and about us page.

Add a database

A database would be added along with scripting of SQL / PHP so a user could add their own dj and information which would be displayed on the correct sub genre page.

4   Critical Evaluation

Looking over my full website, i personally feel the website is poor due to taking extra time having to understand Python / The Jinja templates.

Panel external links

The Panel links to external sites i feel is a very old method but i had to use this due to using bootstrap buttons not working correctly and appearing wrongly coded as part of the website and not directed to the external, this in the future will be improved and more research and effort will be put in to make sure i can accomplish this goal.

Panels

If more time was available i would of added more panels, having the panels on the website i feel make the website look less cluttered and kept tidily organized, using panels was a good idea along with having them spaced.

Text content

For the about us page i would add more content, but due to the time and pressure i have constant writers block i would add more next time pre-planned.

Implementation of the footer

The footer text located at the bottom of each page i need to improve as its positioning on each page does vary and positioned correctly on each page, this is due to issues with either the div class container or wrongful implementation.

5   Personal Evaluation

Use of Putty command prompt

The website creation and development in general was very stress full as it was my first time using python and having to use a command prompt for implementing all code, this was fixed near the end of development by implementing the code into visual studio code and edited before pasted to the putty command prompt.

implementation of external links

The implementation of external links was hard as my original plan was to have bootstrap buttons be clicked for each Dj, the buttons would be "Soundcloud","Facebook","Discogs","Youtube", but when trying to implement the external URL's into the buttons and testing them, they would not direct to the external website at all and i attempted over 4 hours of testing with numerous code changes but it woudn't work, in the end i had to result to using simple a href links which would bring up the url in highlighted blue text, for the next project i will be looking into how to implement buttons for external websites using jinja and python syntax.

Div Container issues

The Div container for certain web pages kept causing issues and narrowing the panels, this used to take me 2 to 3 hours to find and fix, after years of understand and learning regarding using google chrome's inspect feature this dramatically reduced time and stress finding out which closing div or container element was squishing the panels to a such a size and not the same as the others.

Implementation of Bootstrap

Using bootstrap was a benefit as before with websites i would usually start from scratch with no framework or planned layout, using bootstrap helped alot and also improved my rusty learning patterns with bootstraps css.

Contact us functionality

my intent with the contact us page was to be able to run the website and be able to send an email to a personal email of mine which didn't work, i tried for over 2 hours to fix this but nothing helped in the end i left it as a display box to be fixed in the Mere future.

5.1 General Personal Evaluation

In general i personally feel my project could of been planned, designed and developed much better with understanding how to implement code into a text editor BEFORE implementing into the virtual learning environment via the putty command prompt, having less stress from outside sources would of helped not distract me from this project too.

As stated in previous reports, when learning a new web language it can sometimes take longer for me to understand and implement if the situation requires attention to numerous elements such as virtual learning environments and new languages trying to understand and learn all in a brief period of time can overwhelm and put me off.

Researching syntax helped when stuck on tricky coding elements of the website before this would of taken hours as i would of not known were to start so research benefited me a lot.

For the next project i will be spending more time learning how implement buttons to direct to outside websites and sources and doing longer research into errors and content issues which need to fixed.

References

Jinja templates - Using Jinja template with Python flask

https://realpython.com/primer-on-jinja-templating/flask-examples

Bootstrap

https://getbootstrap.com/docs/4.1/components/alerts/