University of Lincoln

Web Authoring :Critical log

CMP1130M Web Authoring (RESIT)

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7-27-2018

Contents

Web Standards 3
Interoperability 3
Chrome 4
Fire Fox 8
Microsoft Edge 12
Responsive 16
Validation 19
Web Standards in the Website 22
References 23

Website Url: https://goldhugo.github.io/Pinkfloyd.github.io/Index.html

Video Demo Url: https://goldhugo.github.io/Pinkfloyd.github.io/demo.html

Web Standards

Web standards are the formal, non-proprietary standards and other technical specifications that define and describe aspects of the World Wide Web. This is allows web developers to create fluid, responsive and modern websites while keeping their compatible with older browsers. They manage the Html (Hyper text mark-up language) to provide structure to these documents, improve multimedia capabilities and allow use across different devices. In Html5 they are incorporating features like video playback and drag-and-drop that have been previously dependent on third-party browser plug-ins like flash. Css (cascading style sheet) add styling to the html elements. Using Css allows the website to load faster as it is linked externally to the site. The standards for Css recommend that layout-specific features in HTML will be phased out and replaced by stylesheets, creating a simpler and more structural World Wide Web. These are all done by the W3C. The World Wide Web Consortium (W3C) is an international industry consortium dedicated to "leading the Web to its full potential". It's led by Tim Berners-Lee, the inventor of the Web. Founded in 1994, the W3C has more than 330 member organizations - including Microsoft, America Online, Apple Computer, Adobe, Macromedia, Sun Microsystems, and a variety of other hardware and software manufacturers, content providers, academic institutions, and telecommunications companies. The issue with the standards are that if the website is not update with the standards, it can lead to websites losing functionality of there sites if the don’t keep up with standards from the W3C it can lead to security issues as out of date elements will be less secure than the new elements so easier to take data from the site. Another disadvantage is that web developers have to keep up with the web standards and learning new elements which can take a lot of time.

Interoperability

Interoperability is required to reach many different people with different devices, each with different browsers, that might want to access a site. To make sure my website could reach as many people as possible I tested my website on 3 different browsers; Chrome, Fire Fox and Edge. Below are the pictures of the tests.

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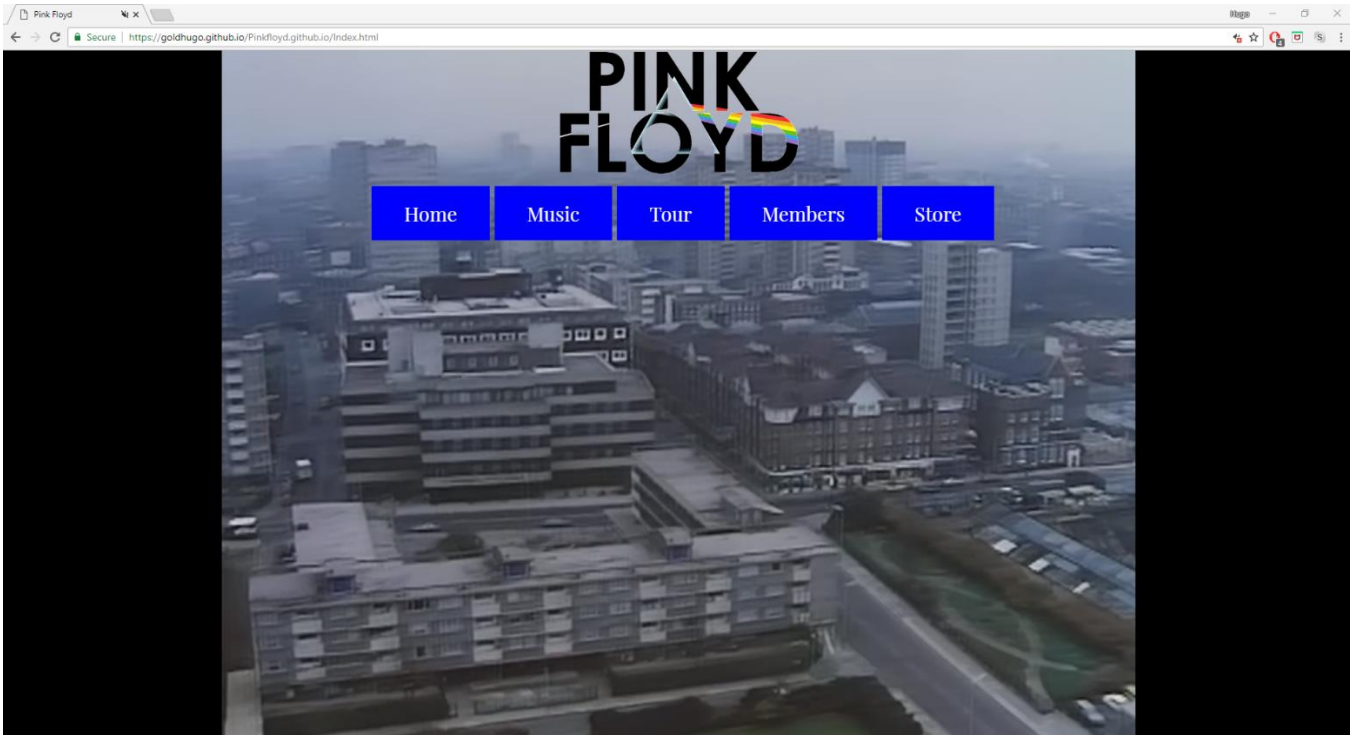
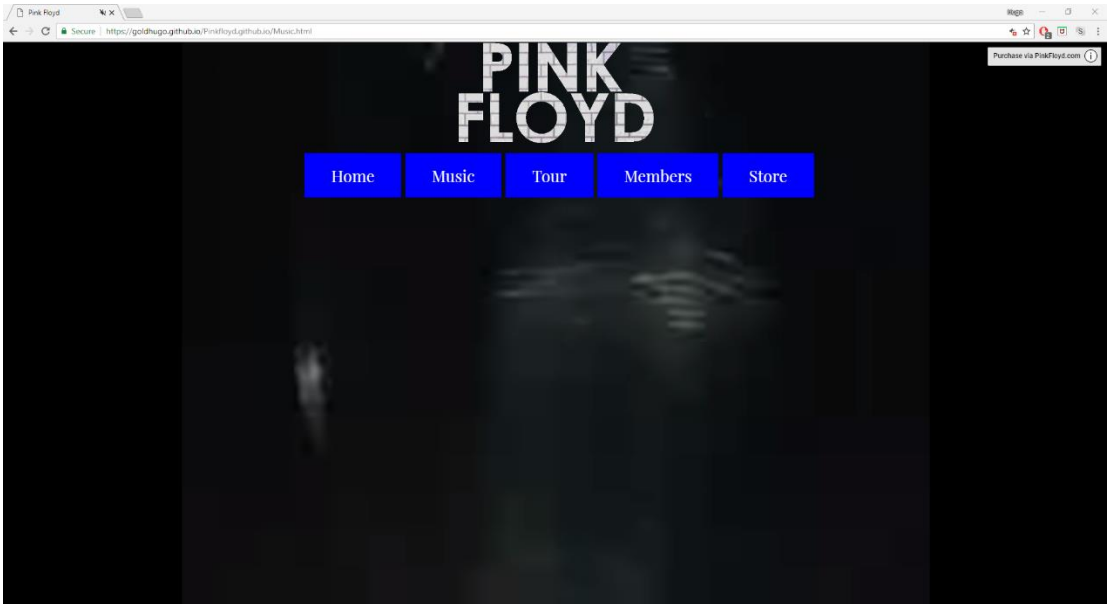
Chrome

Index.html 1 picture



Music.html 2 pictures



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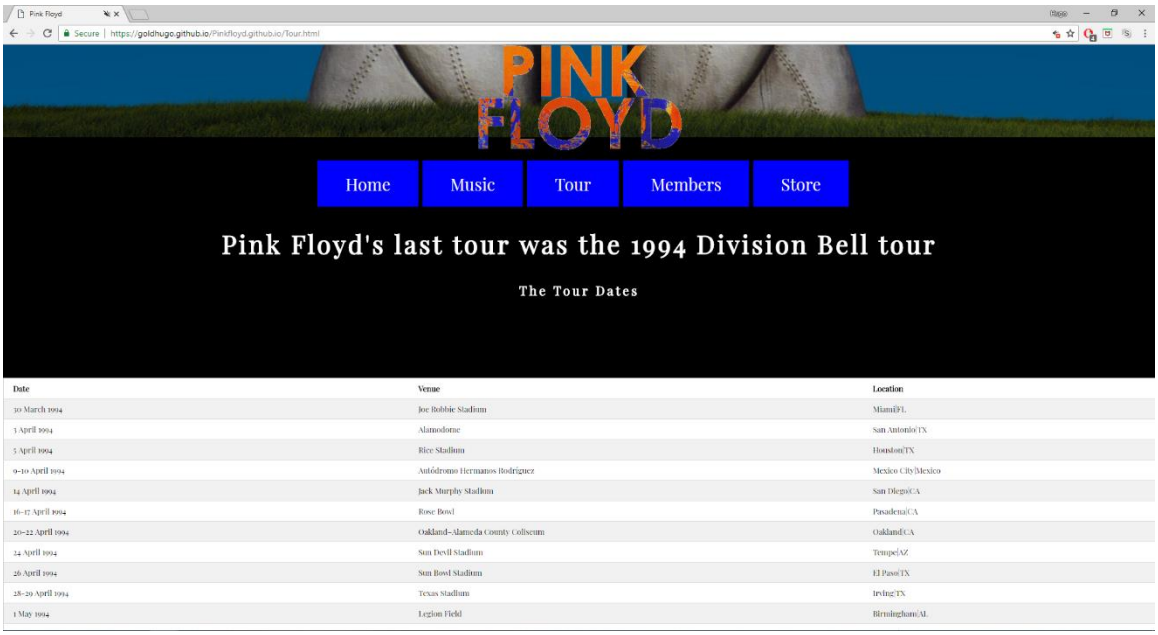
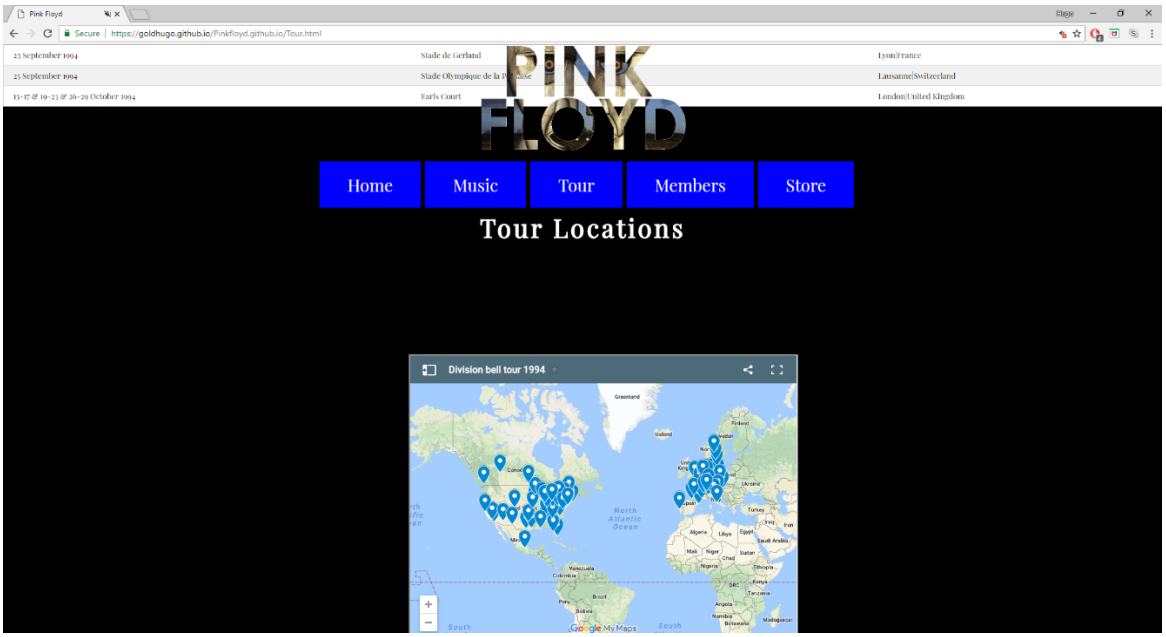
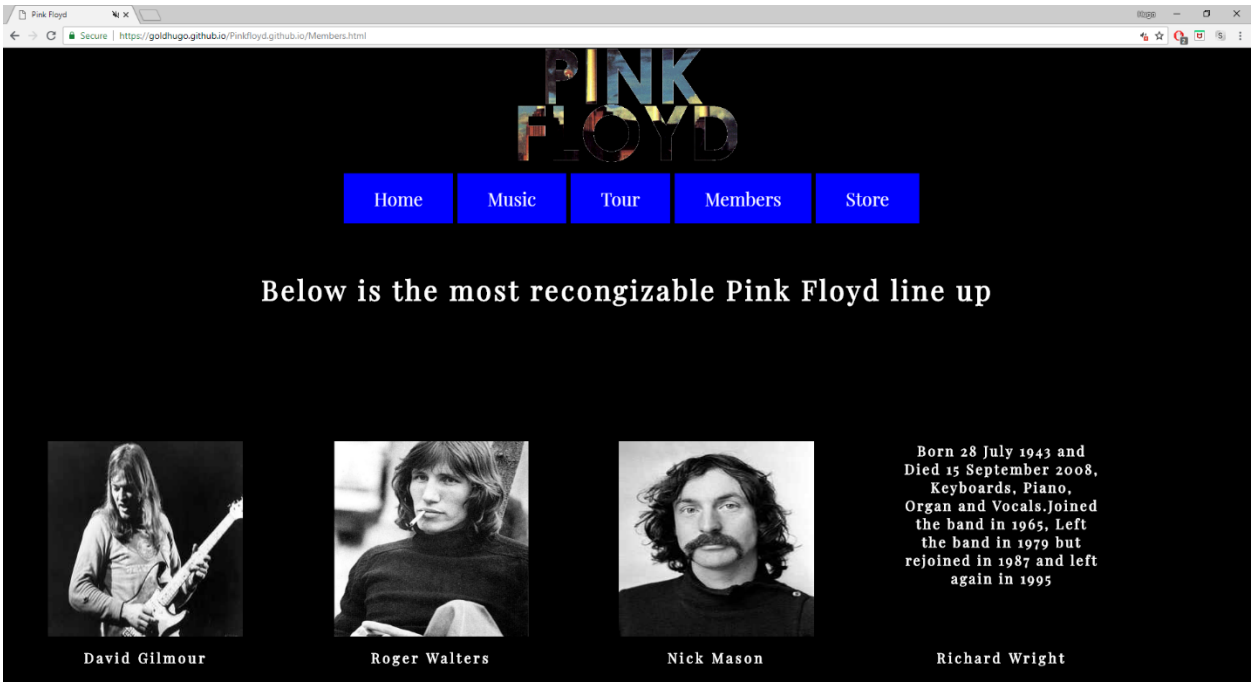
Tour.html 2 pictures

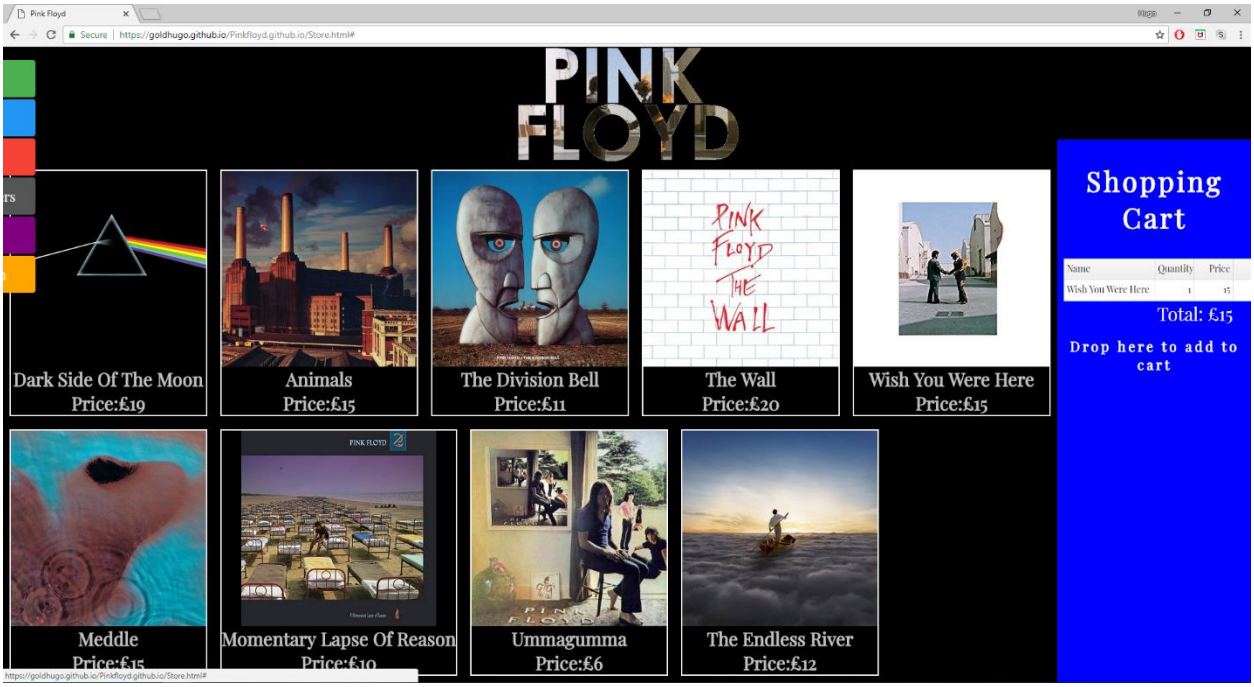




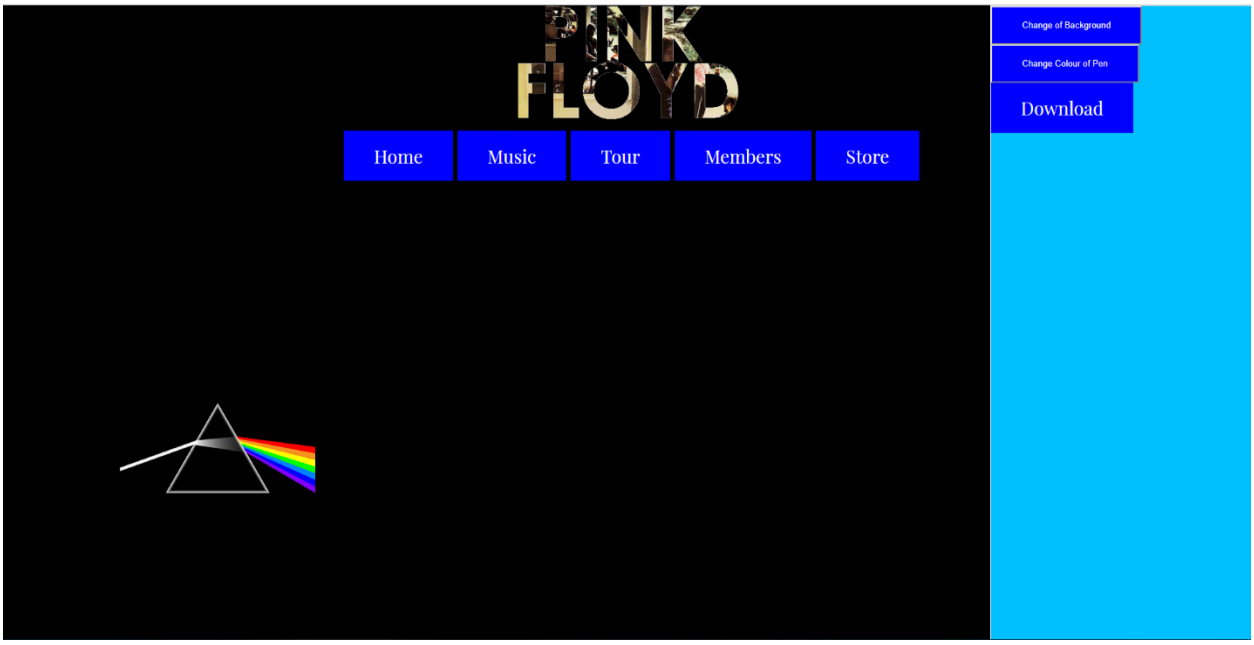
Members.html 1 picture (with one image flipped)



Store.html 1 picture



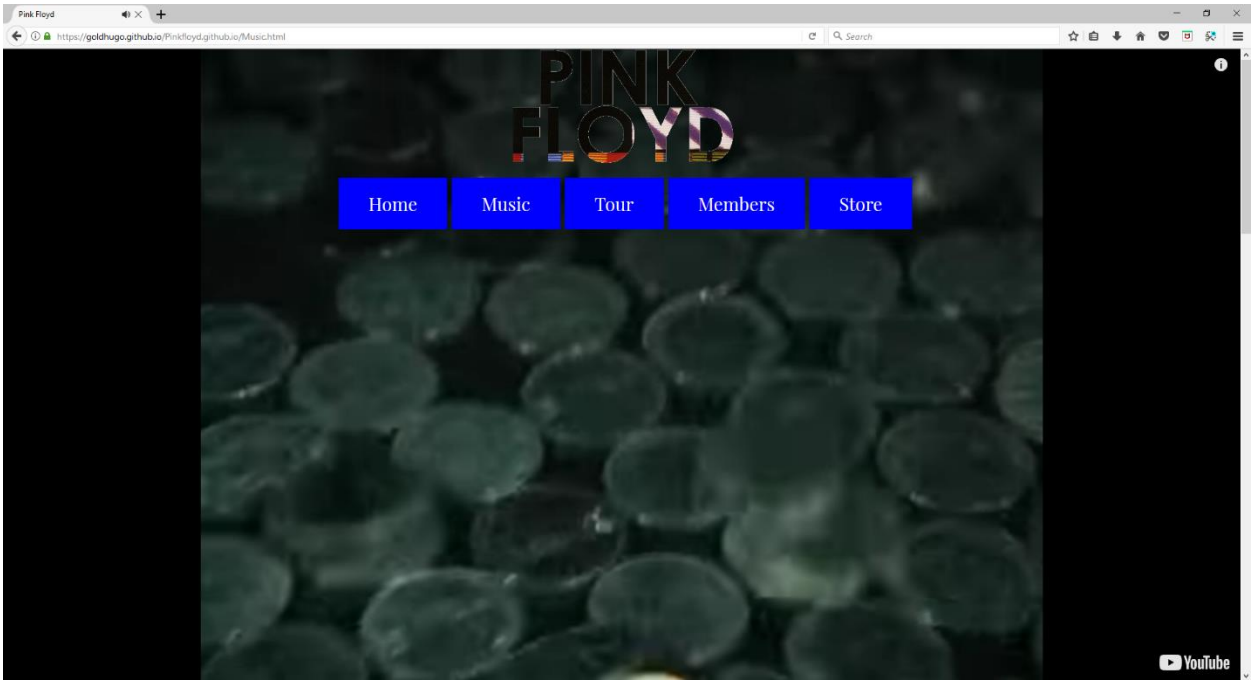
Custom.html 1 picture

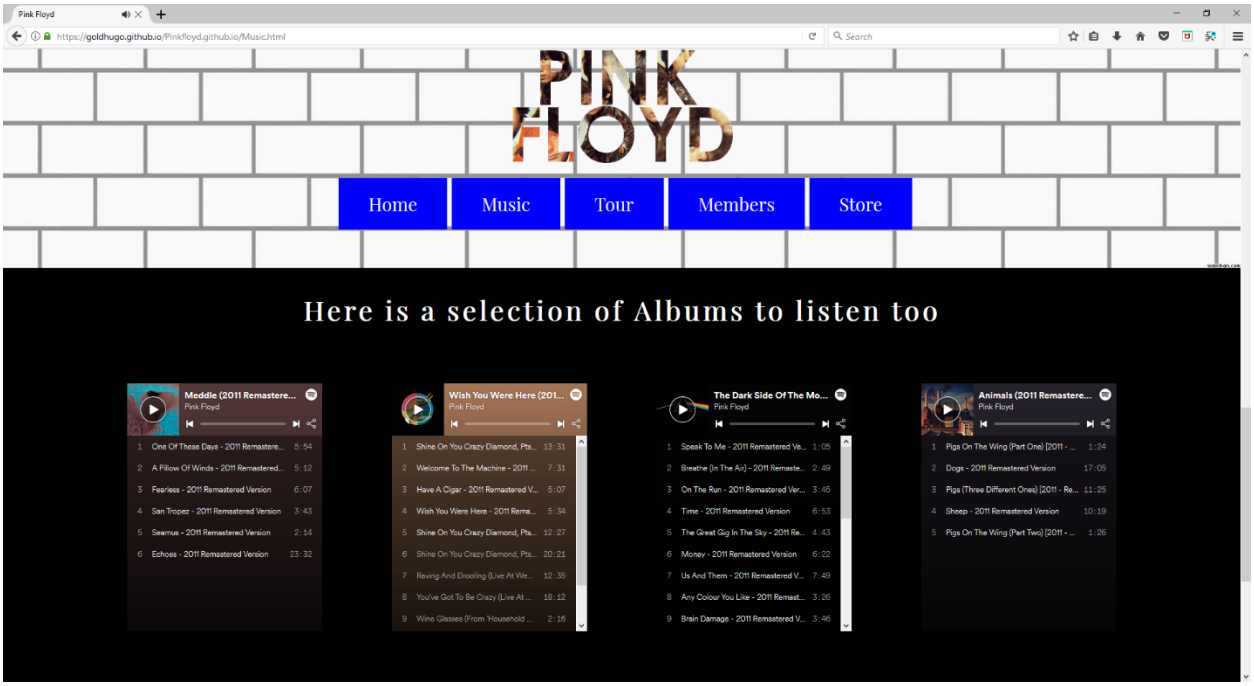


Fire Fox

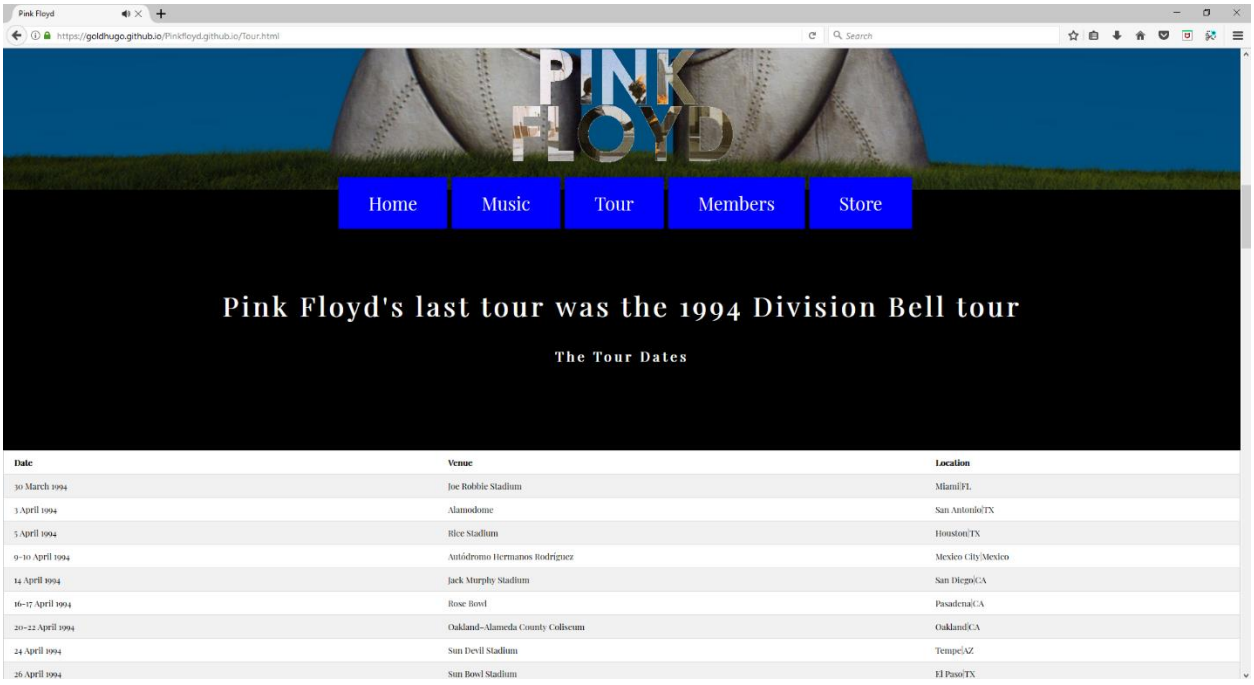
Index.html

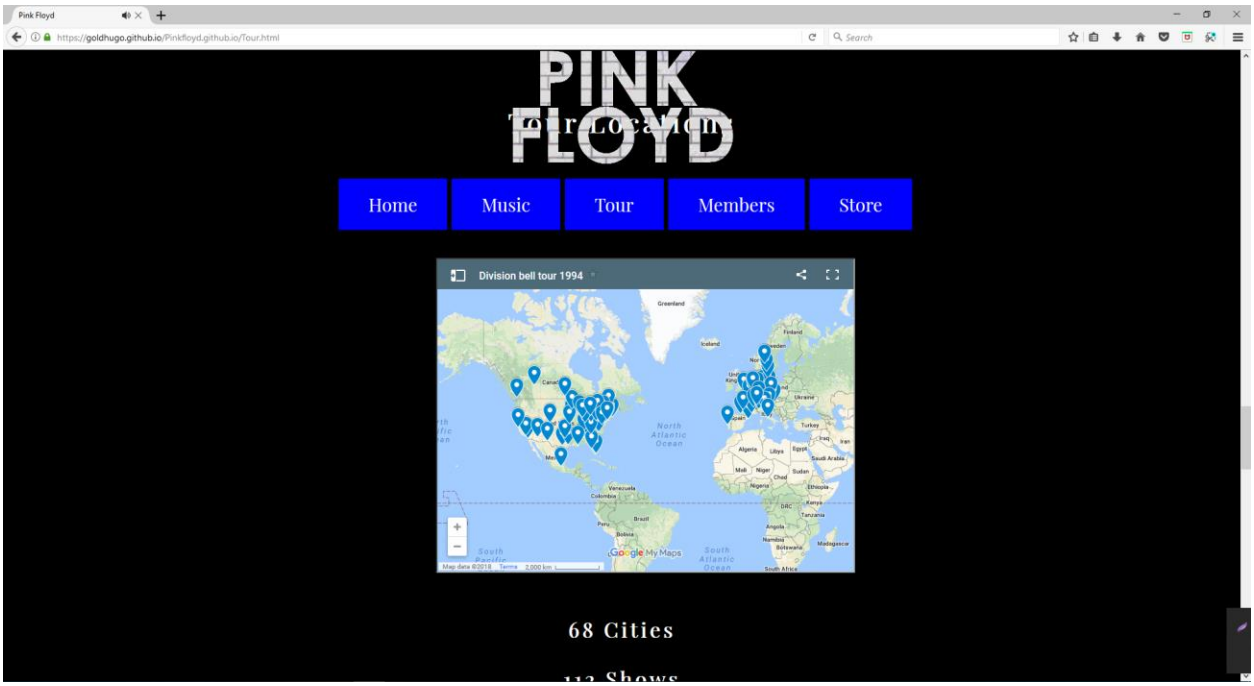
Music.html 2 pictures



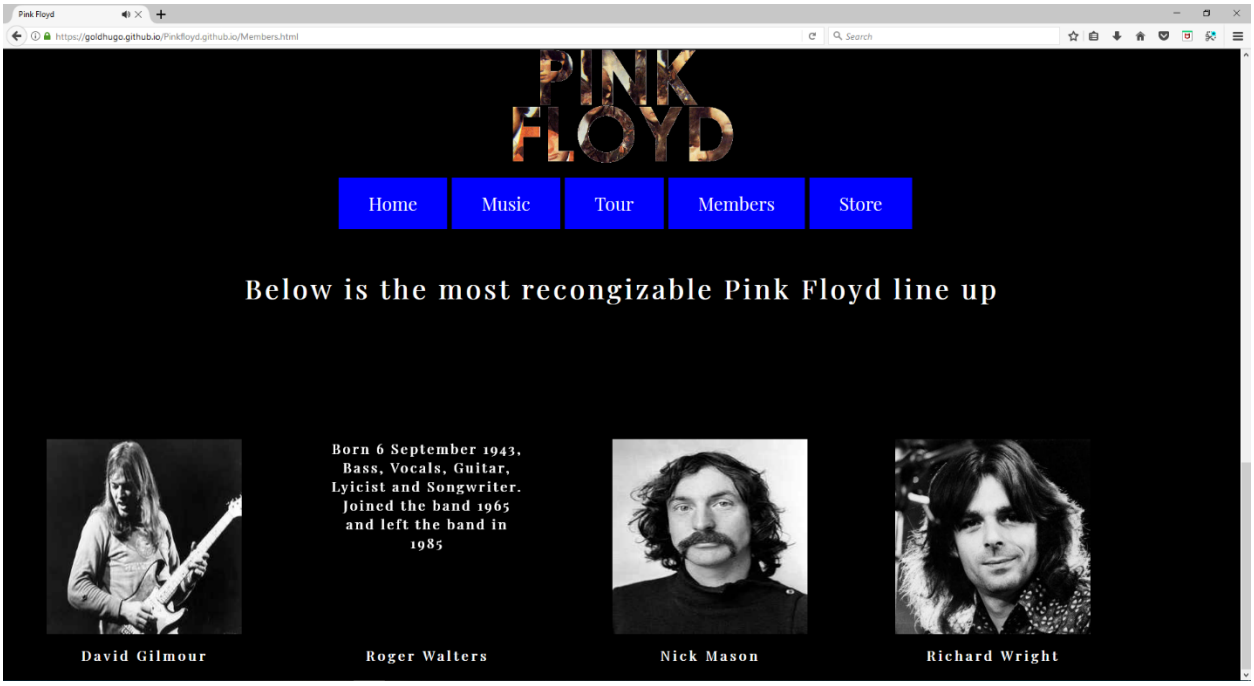


Tour.html 2 pictures

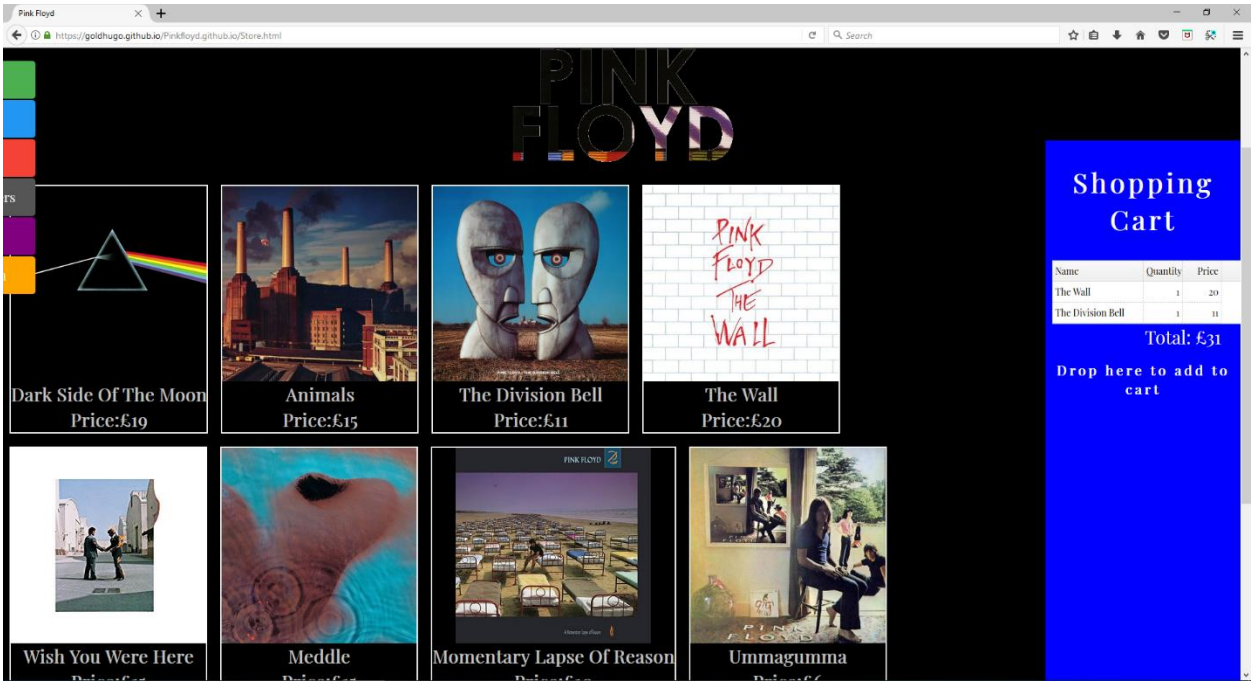




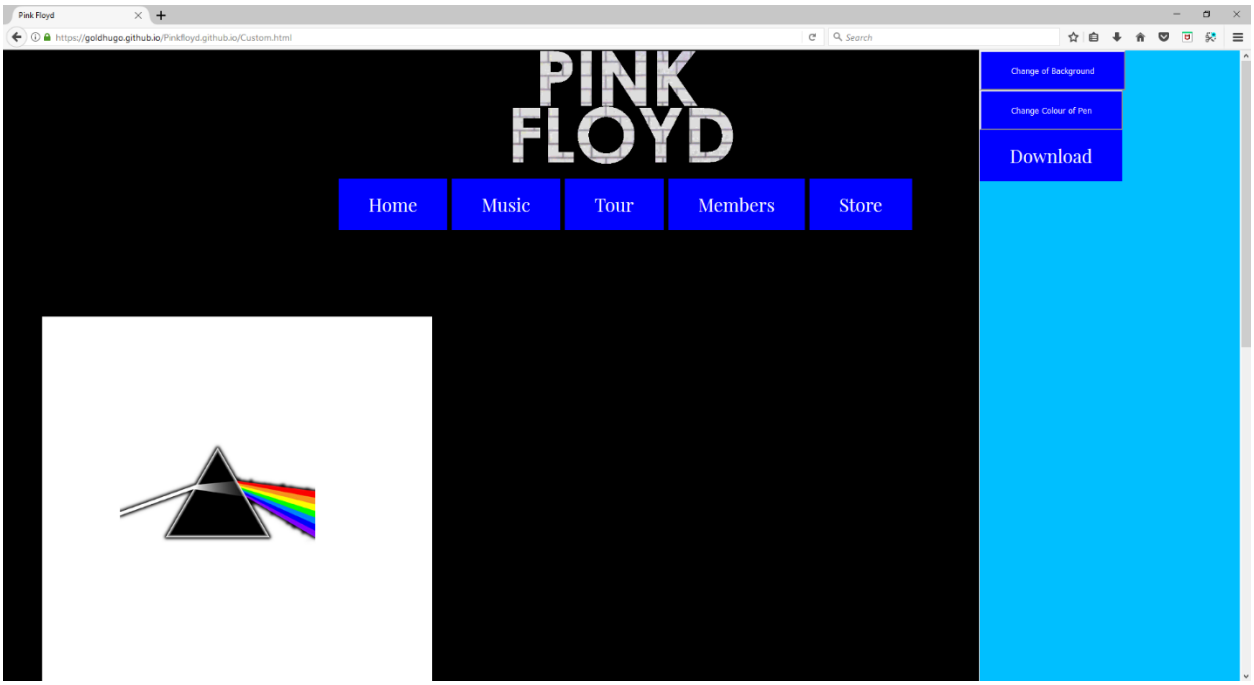
Members.html one picture(with one image fliiped)



Store.html 1 picture (some the items had moved down but drag and drop still works)

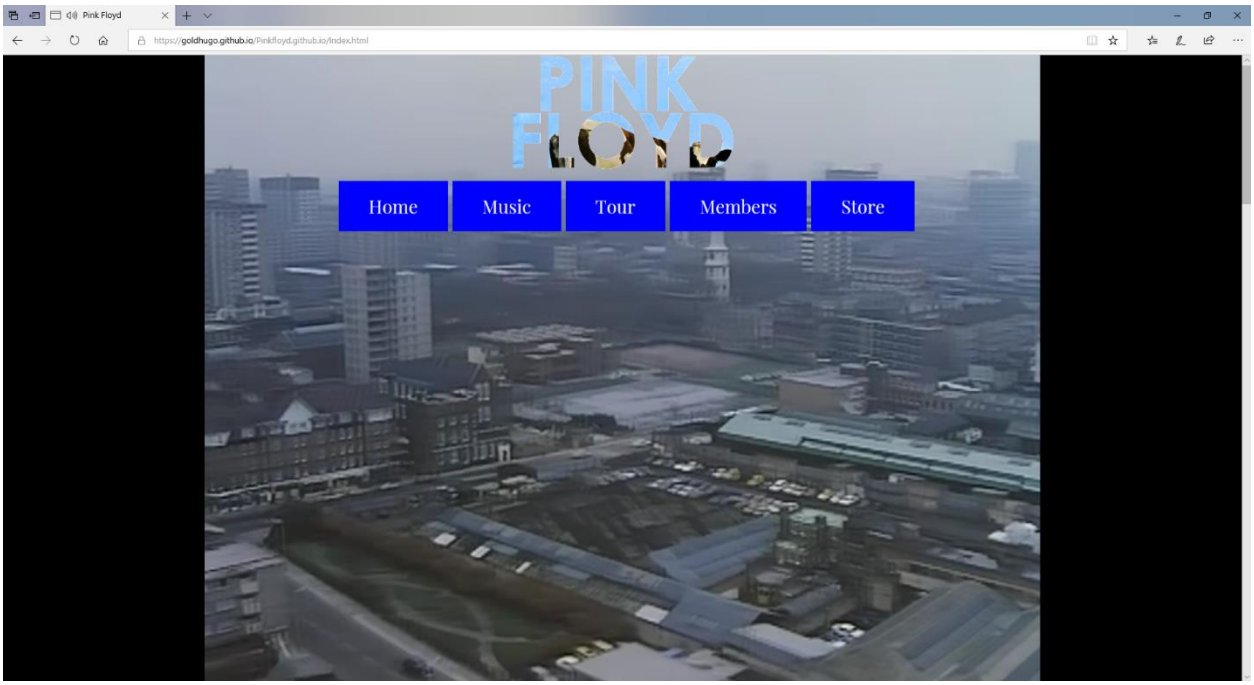


Custom.html 1 picture (background turned black)

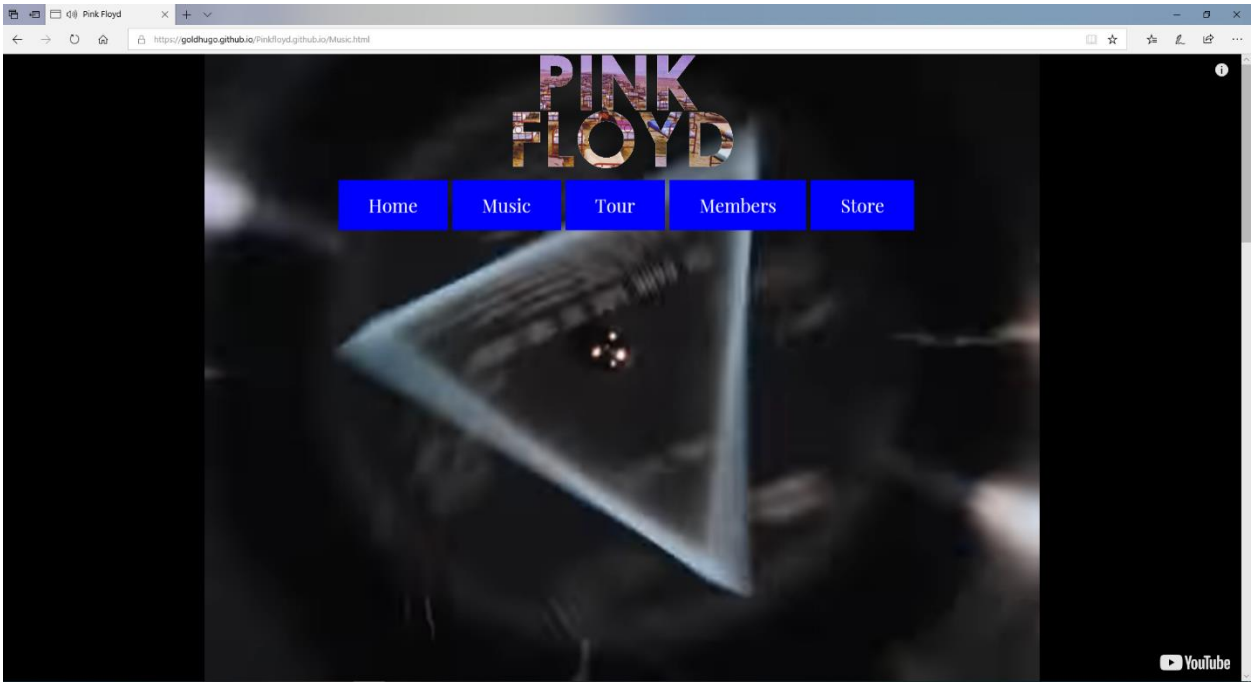


Microsoft Edge

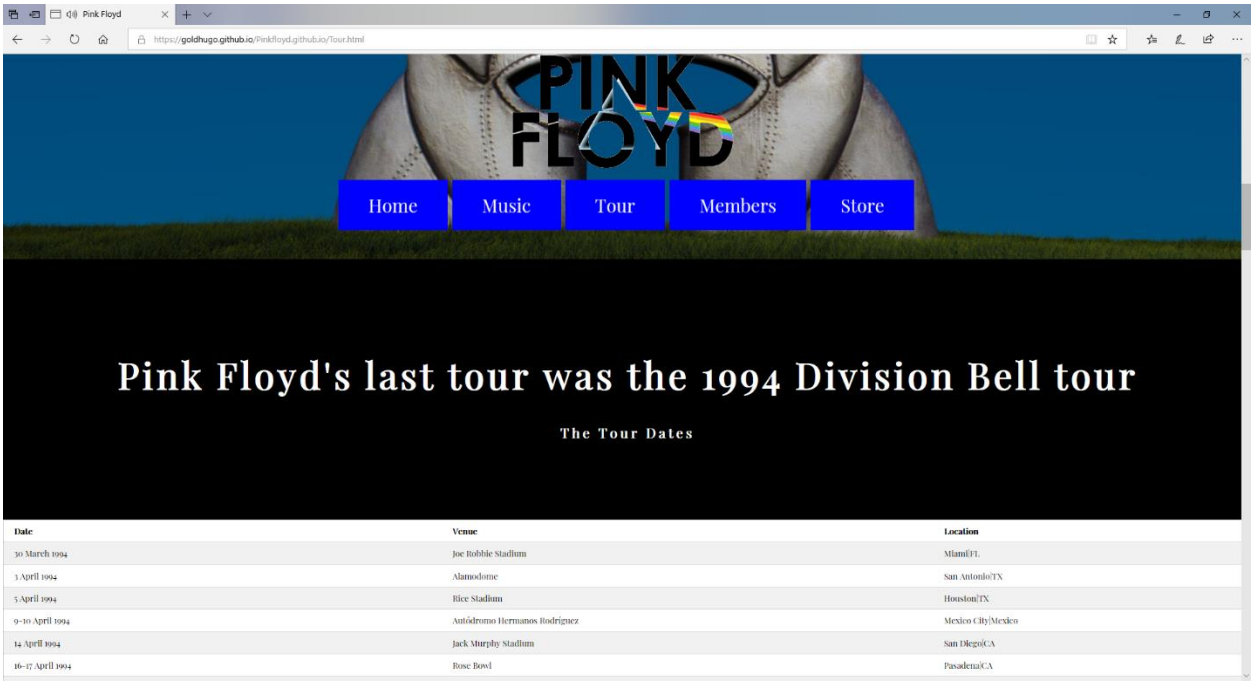
Index.html 1 picture

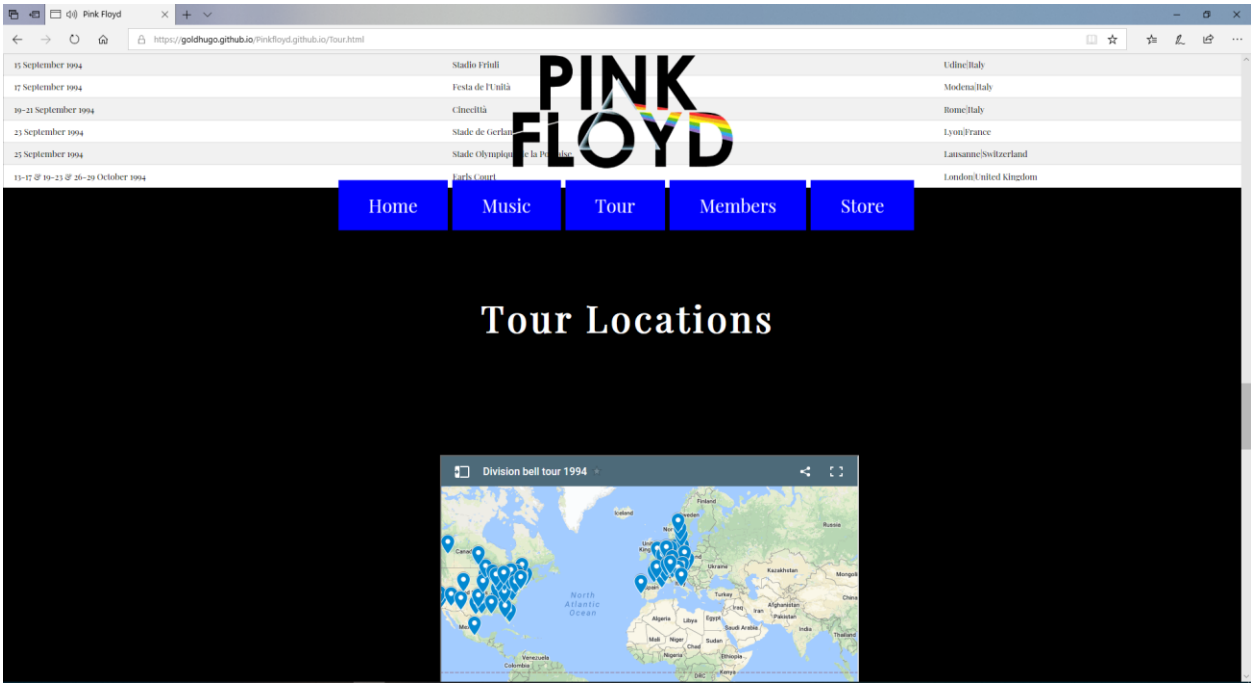


Music.html 2 pictures

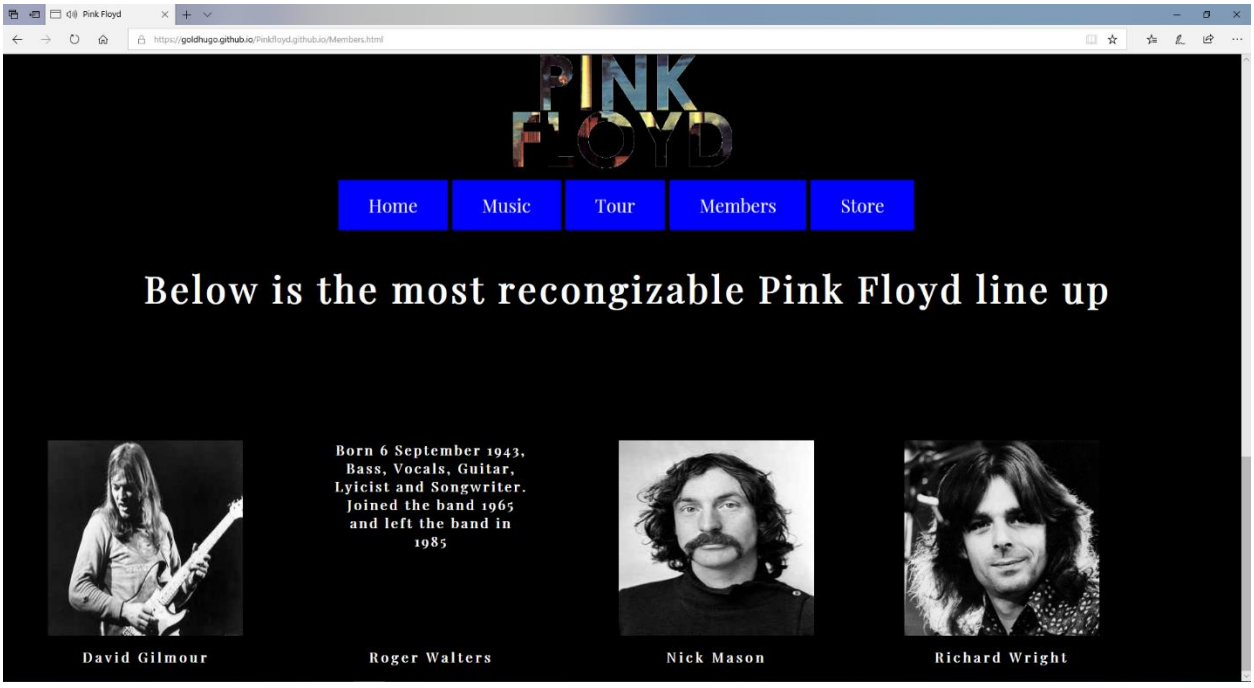


Tour.html 2 pictures

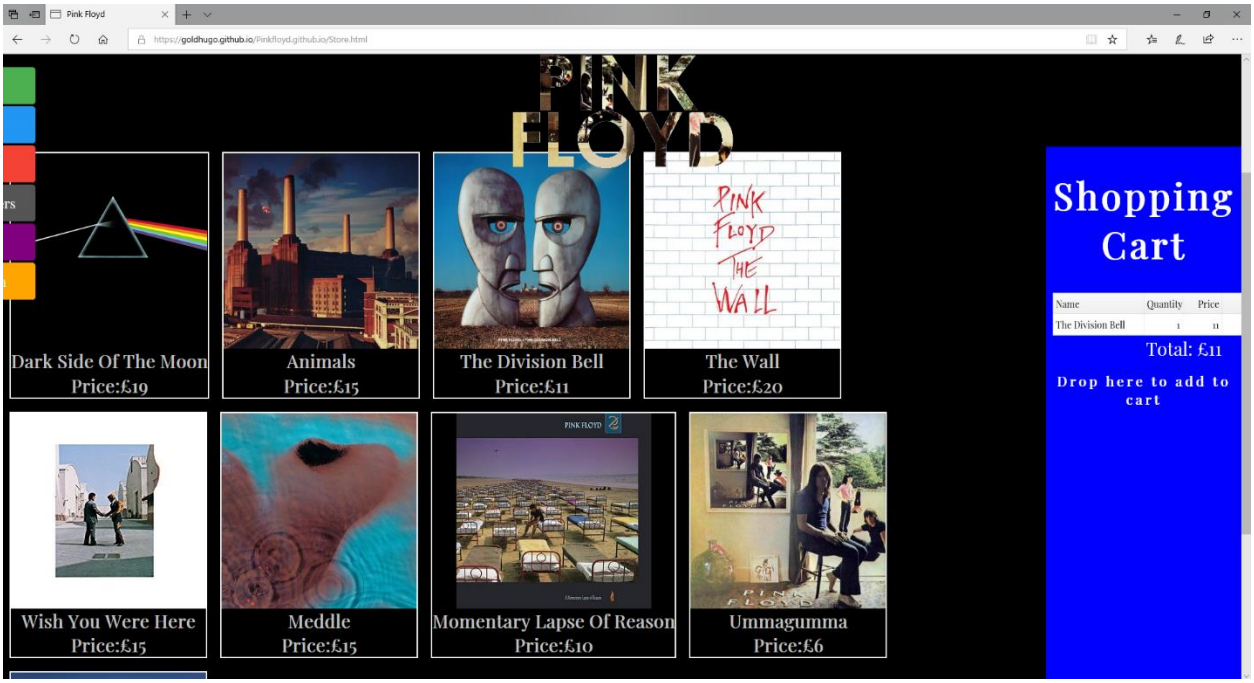




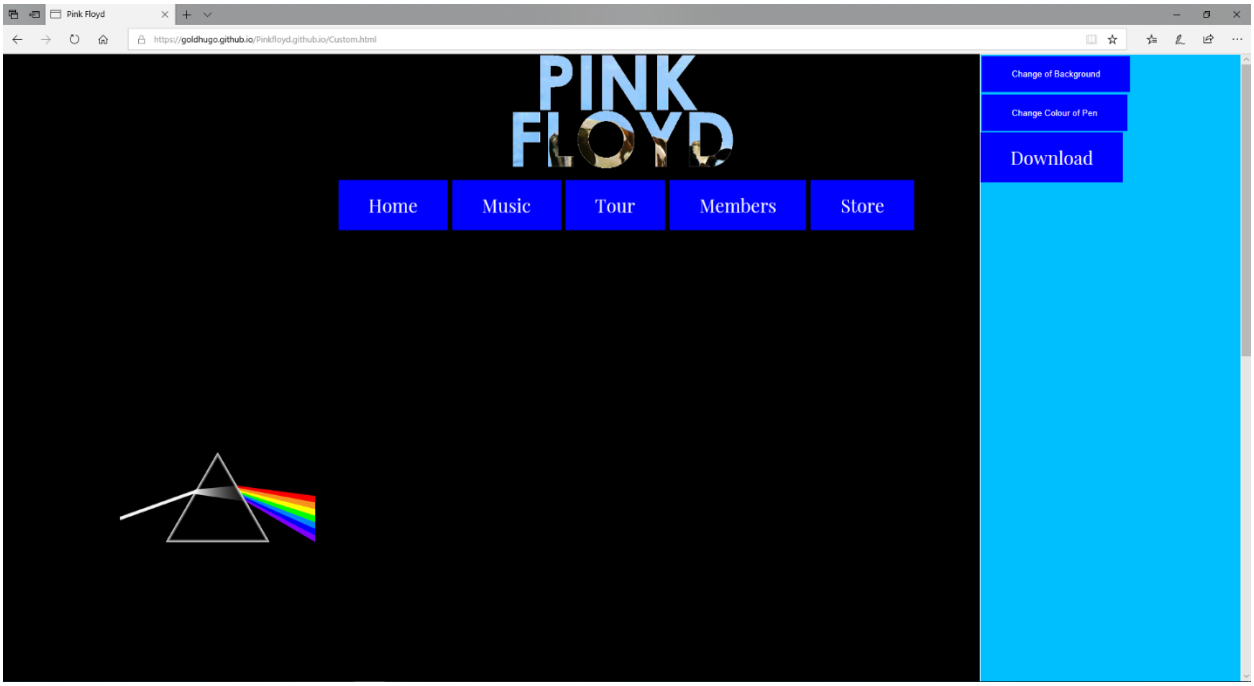
Members.html 1 picture (with one image flipped, animation was slower than the others but still worked)



Store.html 1 picture (items moved down and animation was slow but still worked)



Custom.html 1 picture

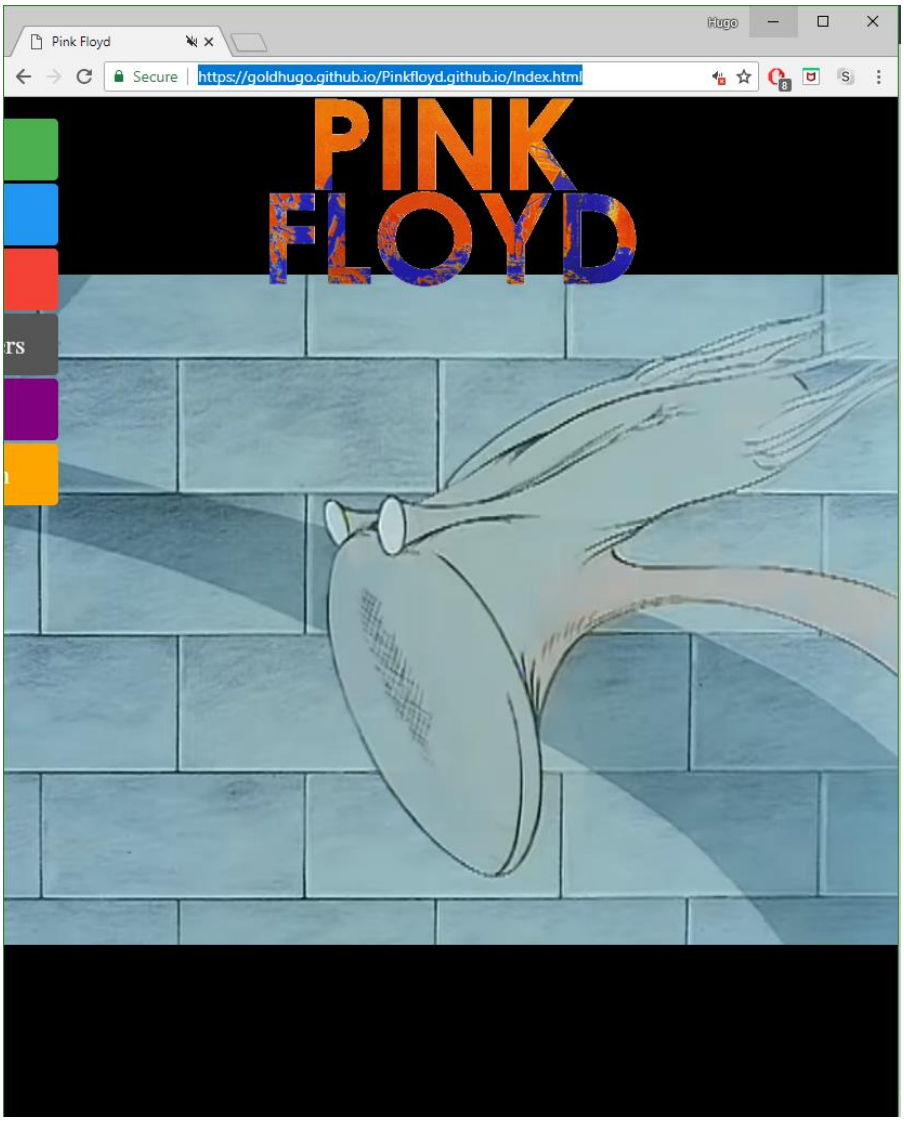


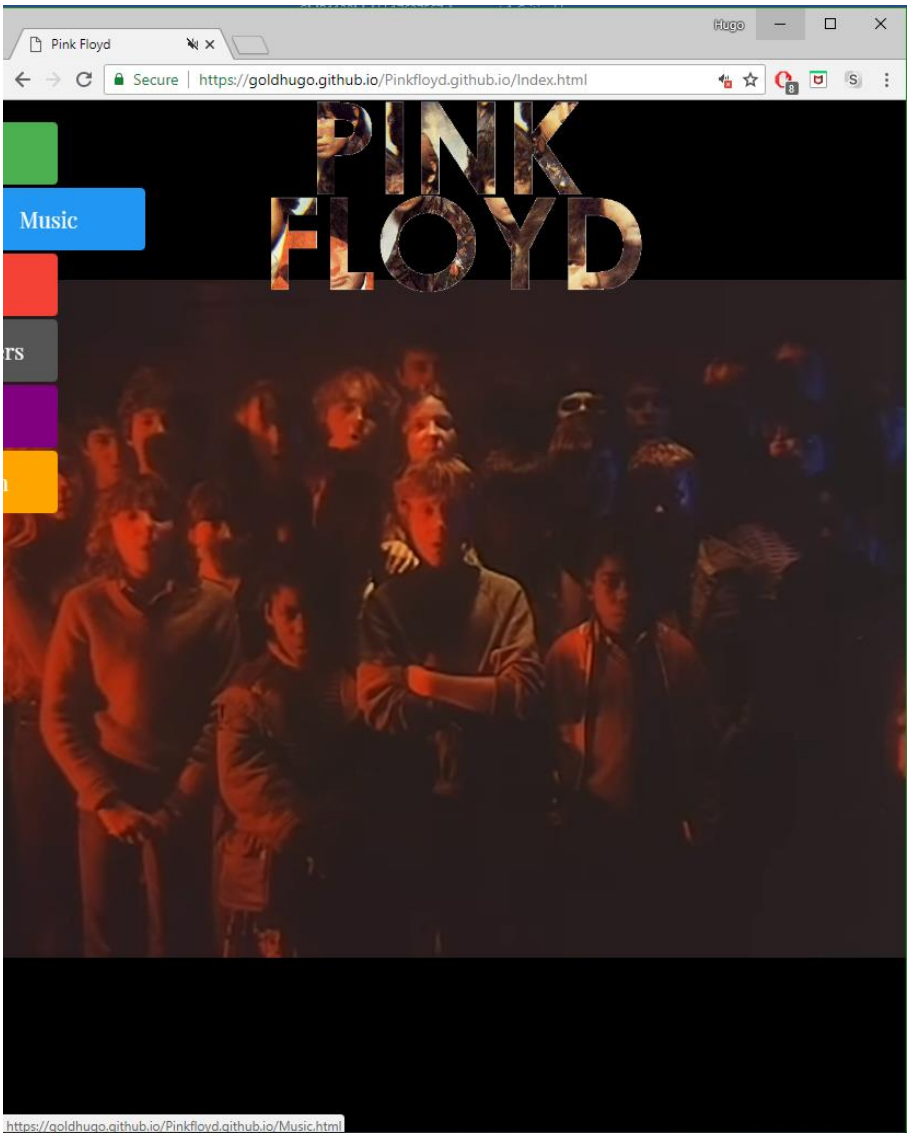
Responsive

Most of my site scales to the size of the viewing window and functions well. As time has gone on more and more people view web pages on mobile devices which have a lower resolution than desktop computers, so it is important that websites can adapt to the different sizes. Using CSS media queries which change CSS properties of elements when the size of the screen change. A example of this is the side bar as the normal nav bar doesn't fit on the screen of smaller devices so a side nav was built in. The side nav is hidden if the screen is over 900px but when the screen size goes below 900px the normal nav bar is hidden and the side bar is visible. When hovered over, it calls a jQuery to open the nav and also close it when the mouse moves away from it.

```
@media only screen and (min-width : 900px) {

    .sidenav{
        visibility: hidden;
    }









    }
@media only screen and (max-width : 900px) {
    .navbar{
        visibility: hidden;
    }
}
```

Index.html with side nav, open and closed

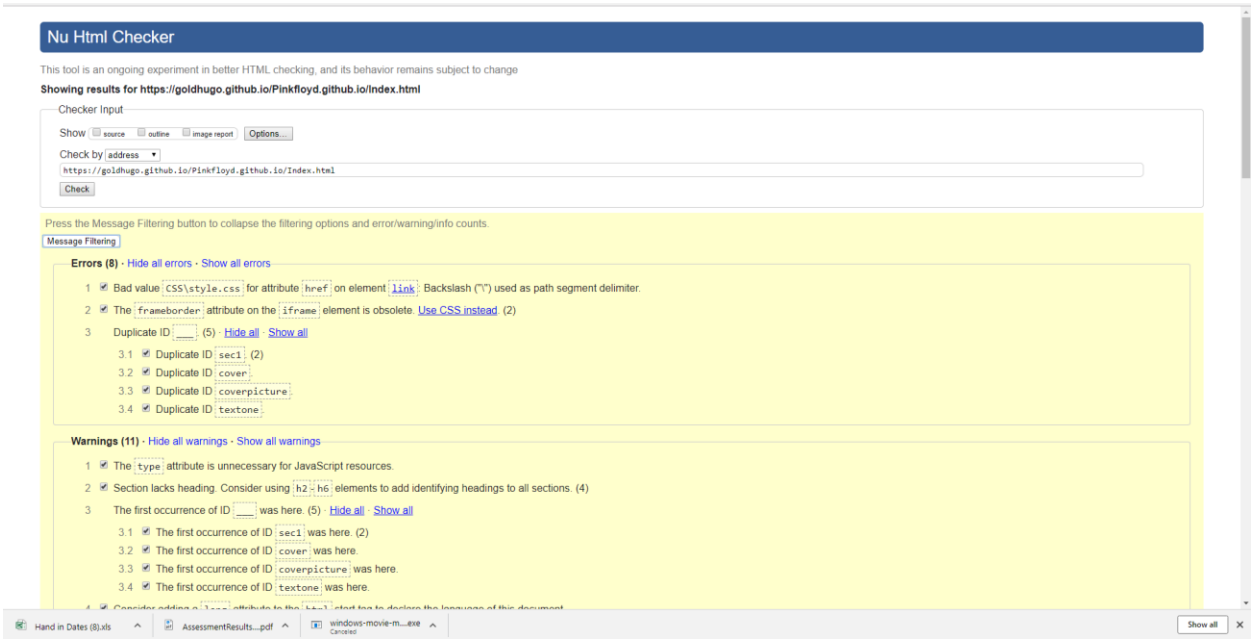

Pink Floyd
Hugo
Secure
https://goldhugo.github.io/Pinkfloyd.github.io/Index.html
PINK
FLOYD


Pink Floyd
Hugo
Secure
https://goldhugo.github.io/Pinkfloyd.github.io/Index.html
PINK FLOYD
Music
https://goldhugo.github.io/Pinkfloyd.github.io/Music.html

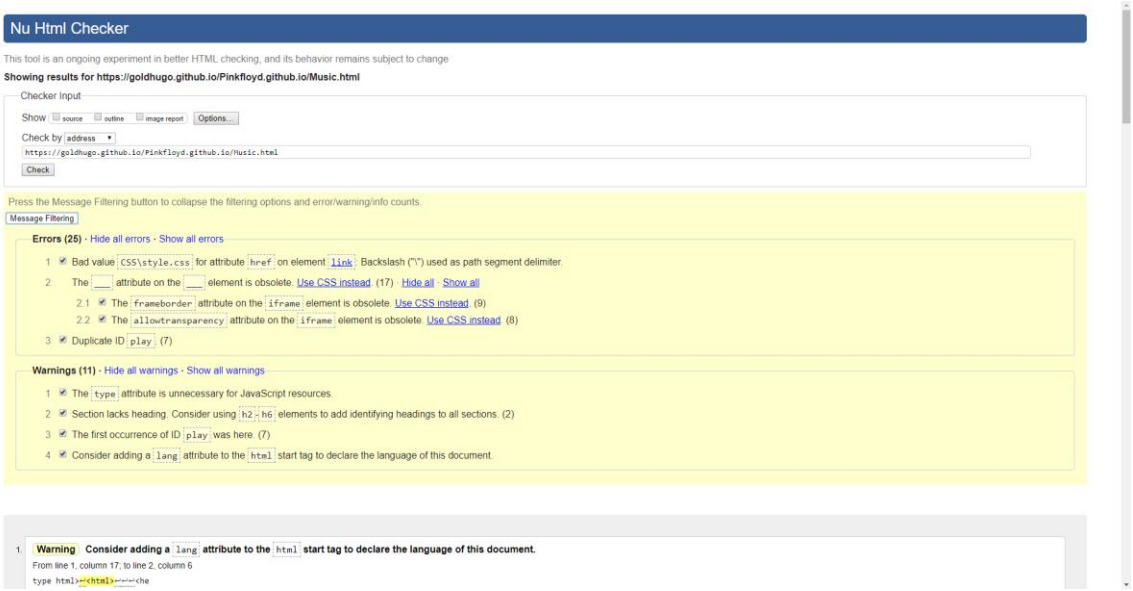
Validation

I put my webpages and CSS through the W3C validation tool to check for errors, the main errors were duplicate tags in the html, the requirement to have alt in the image tag as it is a new standard in HTML5 and using frame borders for the iframes which should be in CSS . With the CSS there one error where there was a parse error for using two classes and giving values at the same time. Below are the Validation for the whole site ;

Index.html



Music.html



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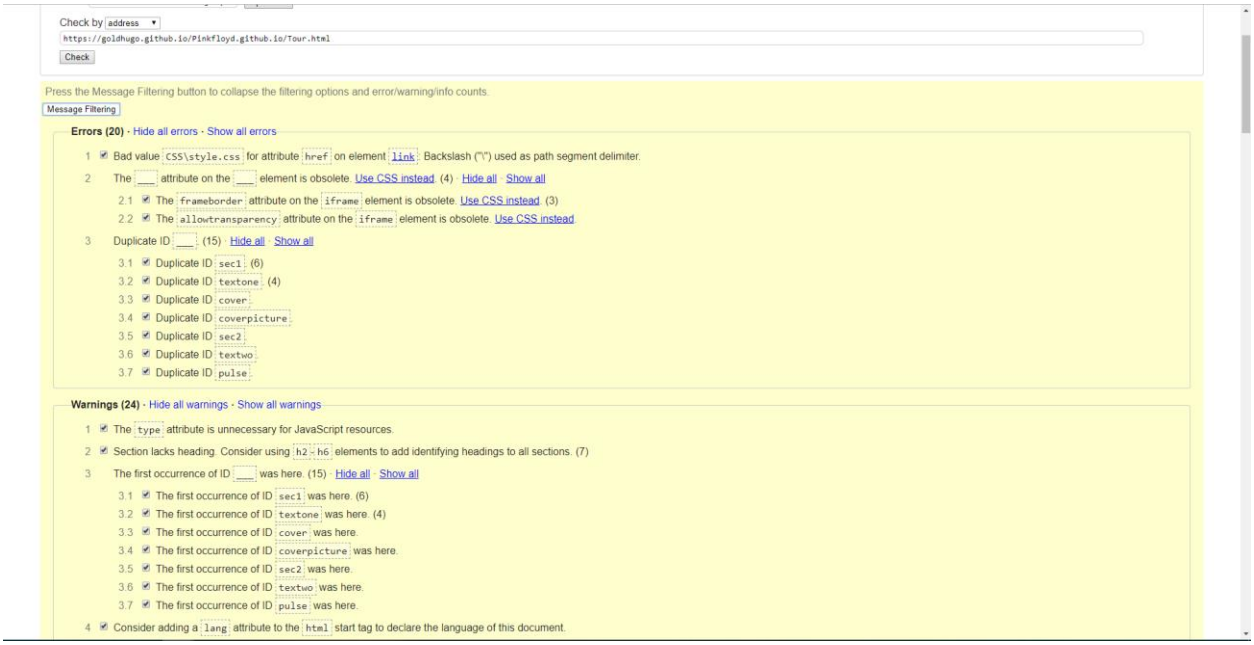
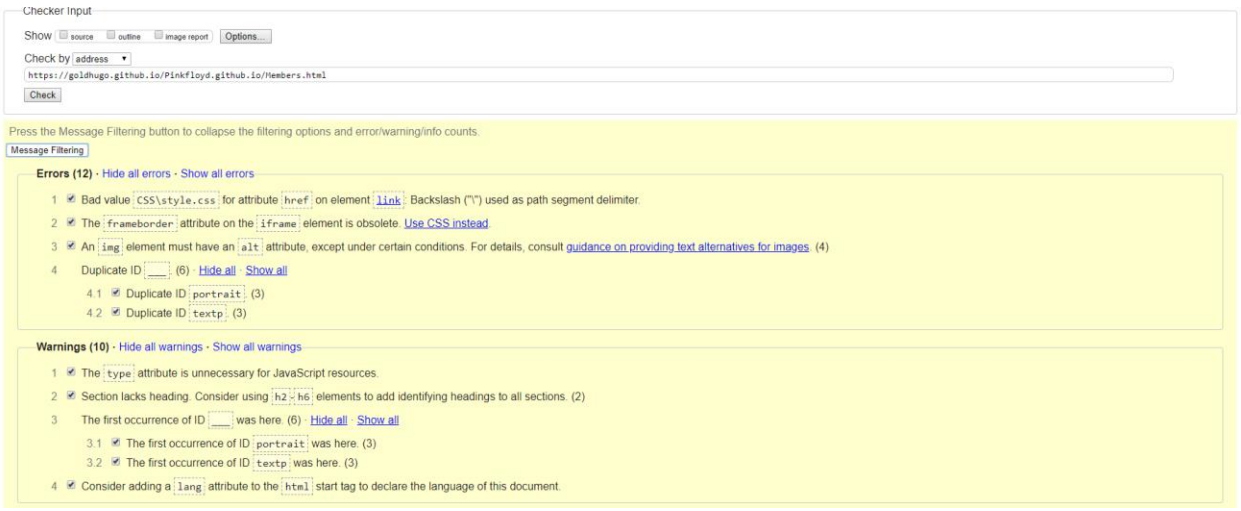
Tour.html



Members.Html



Store.html

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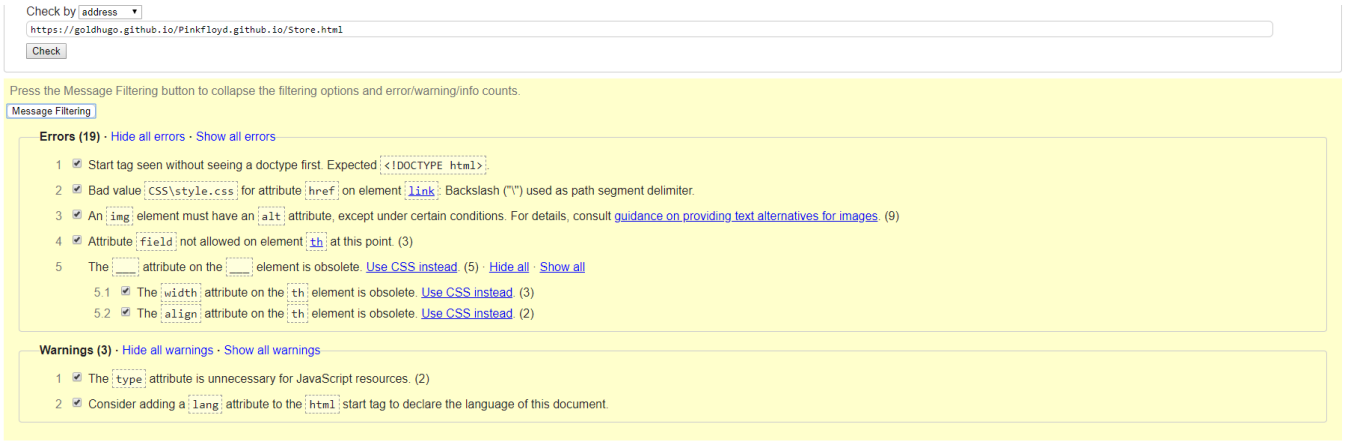
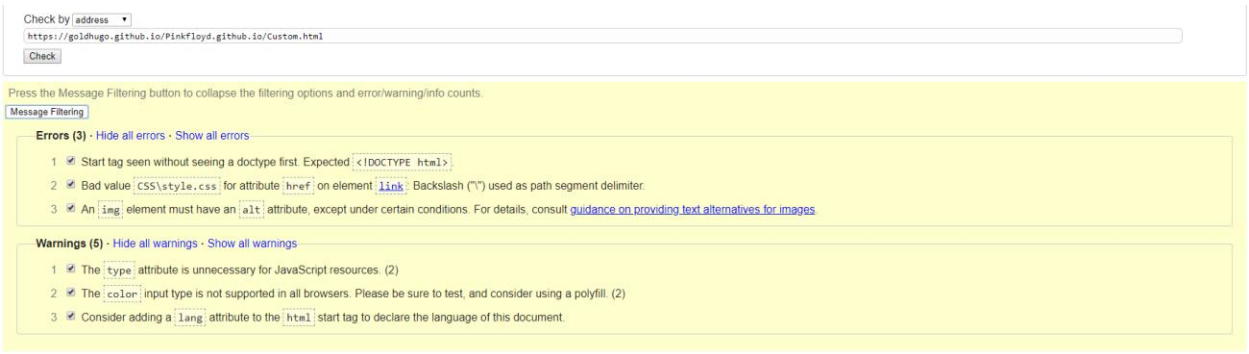
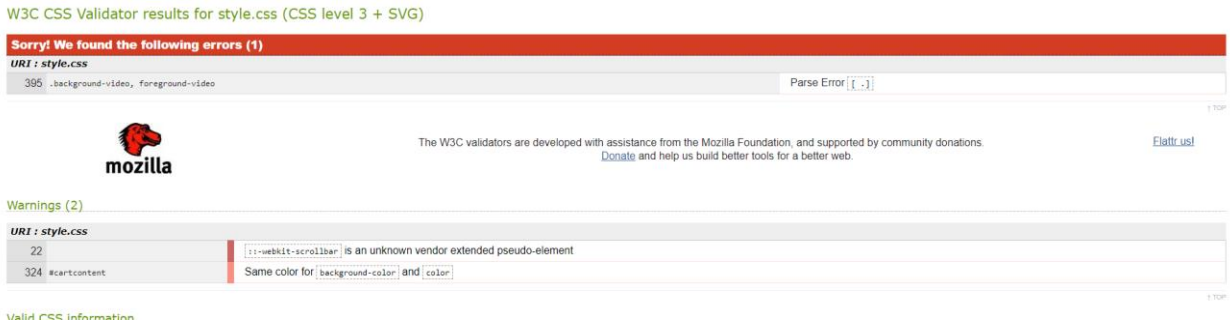


Custom.html



Style.css



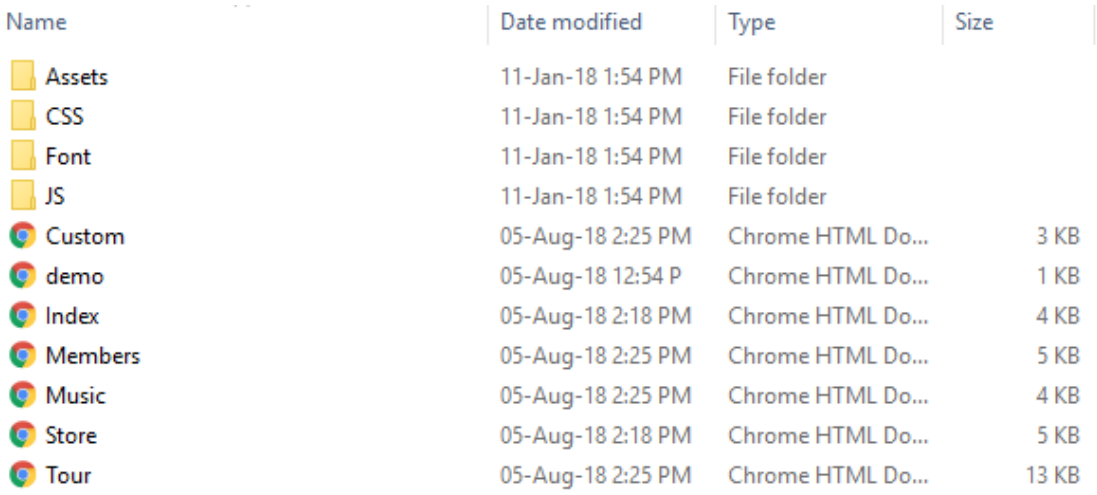
Web Standards in the Website

These are the standards which I identified that I used the most ;

- Logo and Nav Bar at the top of the page at all times
- Consisted font
- Consisted style: having a cover then text on each page and having a video background on each page
- Consisted color: Having the black back ground, blue boxes and white fond
- Indention of code
- File Structure

Below are is a example of this;

File Structure



Name	Date modified	Type	Size
Assets	11-Jan-18 1:54 PM	File folder	
CSS	11-Jan-18 1:54 PM	File folder	
Font	11-Jan-18 1:54 PM	File folder	
JS	11-Jan-18 1:54 PM	File folder	
Custom	05-Aug-18 2:25 PM	Chrome HTML Do...	3 KB
demo	05-Aug-18 12:54 P	Chrome HTML Do...	1 KB
Index	05-Aug-18 2:18 PM	Chrome HTML Do...	4 KB
Members	05-Aug-18 2:25 PM	Chrome HTML Do...	5 KB
Music	05-Aug-18 2:25 PM	Chrome HTML Do...	4 KB
Store	05-Aug-18 2:18 PM	Chrome HTML Do...	5 KB
Tour	05-Aug-18 2:25 PM	Chrome HTML Do...	13 KB

References

Wasp Knowledge : https://archive.webstandards.org/edu_faq.html

W3C: https://www.w3.org/

Tutorials and references to code in building the website

Full screen YouTube video in background: https://codepen.io/dudleystorey/pen/PZyMrd

Drag and Drop Shopping cart : https://www.jeasyui.com/tutorial/dd/dnd2.php

Local Storage for Shopping cart: https://codereview.stackexchange.com/questions/22711/localstorage-functions-for-website-shopping-cart

3 column table: https://wpsites.net/free-tutorials/3-column-table-html-css/

Side nav bar: https://www.w3schools.com/howto/howto_css_sidenav_buttons.asp

Canvas free hand draw and on mobile: https://codepen.io/mollyrd/pen/xGrYWx

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