

Wellcome to Haz001 Neocities

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Content Warning This page is safe for all ages, it may contain mild offensive language (See Ofcom Offensive Language Guide¹) and advanced topics (Computer Science & Mathematics).

Parental guidance may be appropriate.

Quotes containing offensive language will not be censored.

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Abstract

So this site is going to be a blog site and also a portfolio piece. I am not going to have constant posts but they will come like [XFCE DE release cycle](#). I will try to make this site have all the cool features all the cool sites have like dark mode (CSS pallet swap) and some extra features. This site is going to be JavaScript heavy, I will be using JS to add features that would usually be done on a server (don't have access to the server) like to keep the site consistent (wonder why old News pages always have the the current style and logos), links updated and to add cool features. I will try to comment on all the code I can for this site but no promises.

¹https://www.ofcom.org.uk/__data/assets/pdf_file/0023/91625/OfcomQRG-AOC.pdf

1 What is this site?

This site is going to be a blog site, proof of concept and a portfolio piece.

1.1 Blog?

First of all posts **won't be constant**, I am a Uni Student, this means I am very busy, I most likely do big updates every so often (like [XFCE](#) I'm busy, not dead).

I am thinking of posting about HTML, CSS, JavaScript (so make a better tutorial than [NeoCities](#), [W3Schools](#), [MDN](#)² and other HTML/CSS/JS tutorial sites), projects I'm working on, pieces of work from Uni, Linux tips/command lists and rants about tech things.

All articles will have time stamps when they were last updated, author (to make referencing easier (don't reference me for actual essays/reports)). This is because I hate sites that don't do this, it really annoys me to have to add multiple (Anon. 20XX). I bloody hate it when these large organizations think it is ok to just not date their work or even add authors.

All pages will have a PDF equivalent, I am currently using \LaTeX to write these blog posts (to learn \LaTeX) and then using pandoc to convert it to HTML and then I just concatenate the header and footer to it. As \LaTeX is extremely easy to convert I just thought why not? Its just one command away and a few extra bytes. Finally all content, unless otherwise specified, on this site will be under [Creative Commons Attributions 4.0 International License](#) so if you want to copy, remix and distribute any content, unless otherwise specified, you can as long as you reference me, the author.

1.2 Portfolio

I am planning to make this just as easy and feature packed as most LAMP/LEMP³ News sites while being all client side.

If that didn't make any sense to you then I am going to try and implement all the features most News sites have in this site but as I am using NeoCities as a host I am unable to do anything server side. This means the site is static⁴, this is a big limitation as most News sites are very server side reliant, they use servers to implement features like: search, personalized content, comments, invasive tracking and more. This means I have to be very creative and put a lot of work in.

Some of the features I am planning to implement are:

Search using your Computer to search through a JSON database of pages

²Mozilla Developer Network

³LAMP/LEMP stands for: Linux (OS), Apache/Nginx (HTTP Software), MySQL/-MariaDB (Database), PHP (Server Side Programming Language)

⁴the page you get is predetermined and will be the same for everyone

- Site Settings using cookies and other client-side storage to store your preferences like dark mode
- Personalized feed using cookies and other client-side storage to remember what you have read to then recommend relevant stuff
- Self updating A JavaScript script that will search through a JSON file with tags and update links if needed
- Comments I will embed a different site in for comment (e.g. Discourse, Disqus, etc.)

1.2.1 Design

I will try to make this site look visually pleasing, unique while being simple to navigate and accessible to all (almost⁵) but i have no formal design education, thus I am only relying on my knowledge of CSS. I plan to have essay like blog posts so I might try to make it more that style.

One of the elements that I have already used is copying the layout of L^AT_EX, this means centred text, large margin⁶ and a width of 80 characters.

Another thing is that I am encapsulating all my text in <article> tags, this means that reading mode (in browsers that have reading mode) will be enabled.

See Figure 1 for example code.

But then I might change my mind, hopefully when I have some more content I will have a better idea of what I want this site to look like.

1.2.2 Features

JavaScript, being the devils language⁷, is quite a powerful programming language but without a backend it has its limits. I want to push JavaScript and, my abilities, to find its limit. I want to use this site to show some of the incredible things JavaScript can do on its own, I'm not going to make a WebOS like Windows93.net.

I plan on having lots of features on this site, some easy to implement, some that will take a long time. These will range from simple one liners to extremely complex 1000+ line JS scripts.

⁵I am not going to translate or pay for translating of each page (that would be way to expensive), I will be adding accessibility features like high contrast, bigger text, alternative colour backgrounds

⁶[Why are default L^AT_EX margins so big?](#)

⁷I will rant about this in the future, just you wait

1.2.3 Standards Compliance

I am planning to follow a set of standards on this web page from basic HTML guidelines to Web Content Accessibility Guidelines (WCAG).

The HTML guidelines are quite easy, it is basically make sure that you end all your tags and stuff but the WCAG is a bit more difficult and I might even write a post about it.

Basically it is a guideline to help make the web easier for people with disability to access the web, this means that I have to do a bit more work. If your interested you can read more @W3.org.

1.2.4 Code quality

Now as this is going to be a portfolio piece I am going to properly comment my code, name my variables and only "use strict" JS⁸.

I will also try to make tutorials on everything I do but again I am very busy so some things might not be explained, commented, complete.

2 Code Examples

Figure 1: Style sheet and Article tag example

```
<style>
  article {
    max-width: 80ch;
    margin-left: auto;
    margin-right: auto;
  }
  article > p, h1 {
    padding-left: 1rem;
  }
</style>
<article>
  <h1>Lorem Ipsum</h1>
  <p>
    Lorem ipsum dolor sit amet.
  </p>
</article>
```

⁸for my sainty