



Noroff

School of technology
and digital media

Technical Report

Title of report

Student Name

Word count

Summary: 250 | Main text:500



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1. Summary

Did some research on different blogs similar to what I was going to create. Created a mood board to get the ideas down, create color scheme, typography and images. Moved on to style tile and made the wireframe low to high fidelity. I then started coding, starting with the base – nav and footer. Set up a host and connected to WordPress, also made sure it was headless. Also added media queries to make it responsive on various screens. Created all posts in WordPress and made an REST API CALL to fetch my results to my website. Made sure that I followed the DRY principles and that I had good SEO strategy. Checked all the pages with a validator and also WCAG test.



2. Body

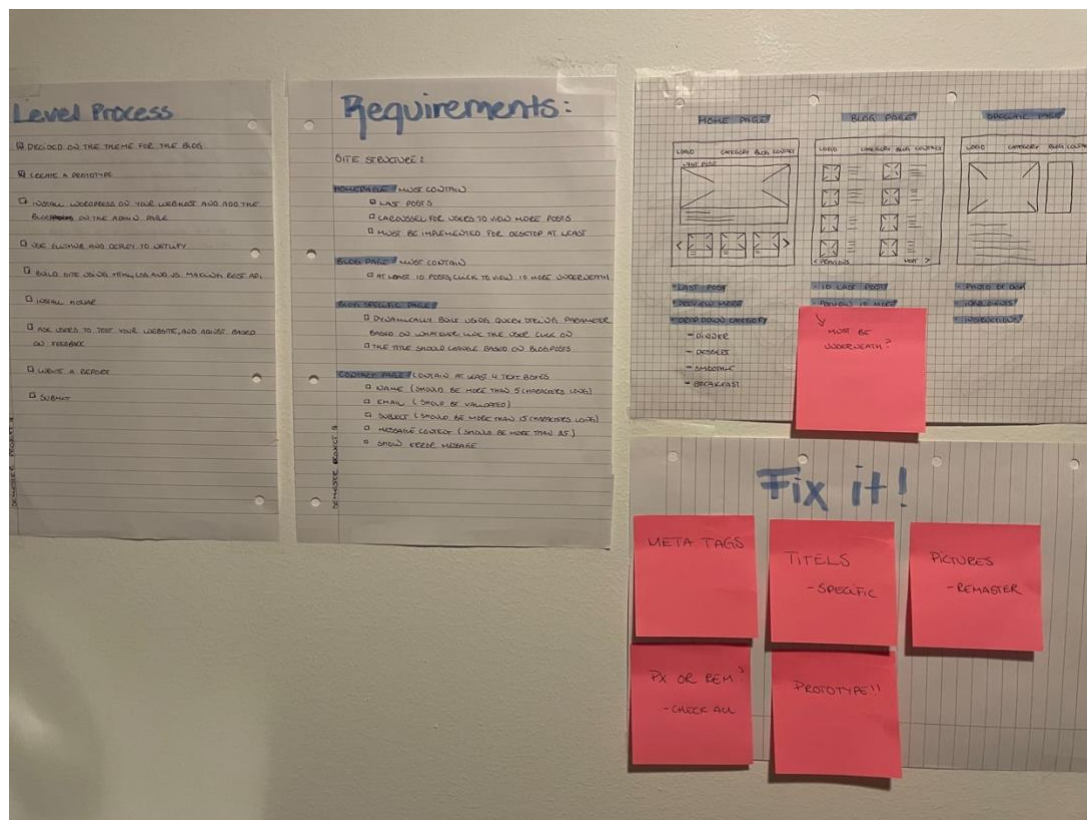
2.1. Introduction

For the Project Exam we were tasked with creating a blog, using wordpress with a rest api address. We could decide upon the theme our self and create a prototype. We also needed to choose a host and set up the site by local and make post in wordpress, then fetching the data via an rest api that would display on our website.

2.2. Main section of report

I started with planing out what I wanted the blog to be about. I quickly landed on a food blog, I wanted it to be about recipes. The owners of the blog are a couple that used to work as chefs and aim to bring the restaurant home to you, with easy and tasty recipes.

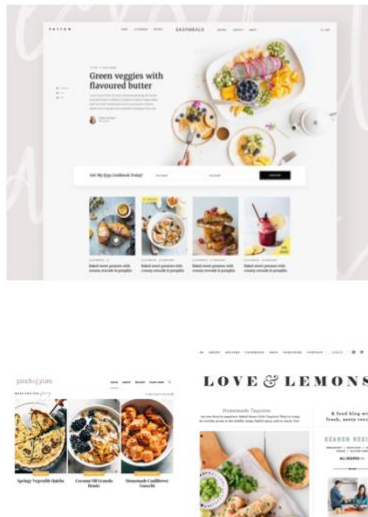
First I started with writing down the criteria and level process. I know most use trello for that too but I need to have it visual for me at all times. I also add the wireframe here.



I always start out with creating a mood board to get my ideas down. I research other blogs to get some inspiration and look at the structure to get an idea of how my layout should be.

STYLE TILE:

MoodBoard



Inspo and Ideas

- Empty

Research

- Creativeness
- inspiring photos
-

Site structure

- Homepage
- Blog page
- Specific blogpage
- Contact

Search words

Food
Cooking
organic
green
plate
baking

Typho

- Creative
- typewear
- should be Serif so it is easier to read

Colors

- Green (Freshness, quality)
- Yellow (creativity)
- Red (excitement)

Green's Kitchen

Possible Colors

Pictures and texture

Icons

Buttons

VIEW MORE >>>

VIEW MORE >>>

VIEW MORE >>>

VIEW MORE >>>

Links

This is an example of an link >>

Font name and size

Name and vision number

Typography

This is an example of a header

Merriweather 37 px

This is an example of a header

Fita Sans Extra Condensed 20px

Example of body text

Nequi ornit quasi eest aut fugi ut estium suam fuga. Ficarpe litque porepera dolorporum que del et est et que et ania cum nos volorpor aut a dolupatem dolupta termpoi aut demolup illoscitern. Ita quia corti dolore plicide pore con ni omnelorum quae optatem quam dolorum facra sequum nam facipuum quo herachi citium esendae vel minus sunt, nit enqui num estisi actios per ni, que volore voluptas eum solo optatquam, aut fuga. Fuga. Hendlit maxin hitatibus

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Nequi ornit quasi eest aut fugi ut estium suam fuga. Ficarpe litque porepera dolorporum que del et est et que et ania cum nos volorpor aut a dolupatem dolupta termpoi aut demolup illoscitern. Ita quia corti dolore plicide pore con ni.

Libre Baskerville 12px

Adjectives

TASTY **FOOD** **DELICIOUS**
CRISPY **DRENCHED** **ZESTY**



Color scheme:

I wanted fresh colors and maybe a little bold colors. I decided upon

- Red: excitement
- Yellow: creativity
- Green: freshness

In the end I stuck with green, the other colors got to bold and yellow was to bright.

Font pairing:

- Merriweather for heading
- Fira Sans Extra Condensed for subheading
- Libre Baskerville for body

I went with a serif font as heading to give a contrast between the sub and body. For subheading I selected sans serif, and I also selected a bodyweight of bold.

Logo:

We needed to create our own logo. I used a handwritten font "Great Vibes" and combined it with Libre Baskerville. I used Icon8 and added a spoon. I think it makes a pretty clear statement that it is about food. I also added two different colors to make it more eye-catching.

Pictures:

Pictures are very important for visual language. "pictures can say a million words" and since I am creating a food blog the pictures need to be eye-catching and inspiring. It's the pictures that tell the user decide if they want to take a look at the recipe. I had to go home from school on multiple occasions to make myself a good meal, and even used the recipes, so clearly worked on me.

PROTOTYPE:

I used my wireframe and started designing various pages. I made some alterations on the blog page, instead of having the post going vertically I decided on horizontally. It looked much better than what I planned out in the wireframe, was too much text and didn't give a good visual hierarchy. I also added lines to separate the content and I thought it was good for visual hierarchy to guide the users. "view more" also had a background for the same reason and so it is easy for the user to understand its clickable.

CODING:

I started with creating the base, and used a "header" file in CSS where all the base is applied for all the sites, such as the nav, footer and font styling. I follow the same color, font size throughout all the sites.

For the hamburger menu I got inspiration from [Gaurav](#). I made my own alterations to the menu matching my design. I mainly used flexbox for most of the design and also used order since I wanted another structure for desktop then mobile.



At first I misunderstood the assignment and thought we need to have a section with last post, then a carousel with further post. So I changed the last post section to most read. For the carousel I loop through the array and choose the content I wanted, I wanted 8 posts. I added all of the manually one by one. I struggled with going from mobile to desktop. So on mobile the carousel is not optimal, it has a scroll effect, but I added the arrows to show you can navigate through them. The most optimal would be to have a scrollbar underneath signalling that it has scroll effect.

Had some struggles with the layout since the lines changes from mobile to desktop. Since the most read-post don't change on my design I used margin to align the border, but this will not be sufficient for later, I didn't have the time to work out a solution that would work in the long run. I could see that the border would jump from time to time, even though the content is the same. The same accurse on the specific page.

Moving on the blog page, as I mentioned earlier I selected a horizontally layout where the content lays underneath each other. I also wanted didn't want the 'intro text' viewable on mobile, but it would show on small desktop and big. In the code you can see I repeated myself on mobile and tablet, this was because I read that if you used display none, you had to have display:block first in the next @media queries.

On the specific page I need to fetch out multiple lines and I wanted checkboxes so that the user could check the boxes for what they already have and make it easier if they are grocery shopping.. In Wordpress I used a plugin called Advanced custom fields, so I added fields for as many ingredients and instruction lines I needed.

PERFORMANCE AND USABILITY

Afterwards, I checked all my code in <https://validator.w3.org/> I also took the WCAG test on <https://siteimprove.com/>.

I also did the lighthouse check in inspect for both desktop and mobile. I added aria labels to my buttons. I got a lower score on performance on "largest contentful pain" and "cumulative layout shift". Also got a lower score on the images size, but I choose to have bigger pictures so that the resolution would be better on specific page (still not great resolution on specific page)

Hotjar:

I gathered the results from Hotjar on how the user moved around on the page.

It showed some of my links where hard to track if they were clickable.

I added a hover effect on view more. I also had interviews so I could get feedback on what could be improved. The specific page was a little "flat" and not so inspiring, something I totally agree on. And poor quality on the photos. The colour was a little too bright so it was hard to miss the links with white text, so I changed to a darker green. I also changed the font colour on the CTA (view more) from white to black, taking WCAG into consideration

CHALLENGES:

At first I struggled with collecting some of the elements so I added a plugin called Advanced



We had some problem with our host (namecheap/easyWP) it had maintenance a couple of days, so our ip was not working. At times I considered changing hosts to avoid the problem but decided to stick with easyWP.

2.3. Conclusion

I have explained and gone through the process for the whole project. I have pointed out decisions I have made along the way, challenges, improvement and changes that I have made. Made sure it is accessible and follows the principles we have been taught. I pointed out changes I would have made and that I will follow up on later.



3. References

<https://siteimprove.com/>

Unsplash

<https://unsplash.com/photos/KPDbRyFOTnE>

https://unsplash.com/photos/T-ql_Ml2EMA

<https://unsplash.com/photos/jJlb2e7Jkcs>

https://unsplash.com/photos/3OVoft7mG_o

<https://unsplash.com/photos/rhoYhbINkF4>

<https://unsplash.com/photos/NYBnDWeOX2c>

<https://unsplash.com/photos/Dn82UF7qsso>

<https://unsplash.com/photos/-GFCYhoRe48>

<https://unsplash.com/photos/UCoHZdUitWY>

<https://unsplash.com/photos/wlqpmpuOloVA>

<https://unsplash.com/photos/uaqQKlc3NQI>

<https://unsplash.com/photos/FWsuD5jGBMo>

<https://unsplash.com/photos/FFqNATH27EM>



<https://unsplash.com/photos/v3OIBE6-fhU>

<https://unsplash.com/photos/n4ymhyyFY7A>

Inspiration

Modal:

<https://www.youtube.com/watch?v=4SQXOA8Z-lo>

Hamburger-menu:

<https://dev.to/devggaurav/let-s-build-a-responsive-navbar-and-hamburger-menu-using-html-css-and-javascript-4gci>



5. Appendices

Link to figma

<https://www.figma.com/file/D5CBMmu7NXffyeNmWlvoNf/Semester-Project-2-%2F-blog?node-id=0%3A1>

