A screenshot of a cell phone

Description automatically generated

# Project Exam 1

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Word count

## Design

### **What went well on the project**

I chose the Low-fidelity wireframe, although it is said to be rougher than the others. (Nguyen, 2022). The reason for choosing the low-fidelity wireframe, is that it’s an easy way to get started. I used the same approach as in the design CA. This helped my design a functioning prototype before I started developing, and the grouping of elements made the coding and structuring of HTML much easier.

I think I the design of the website came out pretty good. I decided to go for a minimalistic design where the main focus is the blogposts. I also decided to go for å simple index page with just a carousel, header and footer. I went for a dark blue color which I think suited well for the beautiful mountain images.

### **What was difficult/didn’t go well on the project**

I always think it is difficult to find the correct color for the website so it fits with the theme. I Also think it is challenging to decide how much info I want to expose the user for on the index page. I was unsure if I should have added length to the site to make it scrollable for the user. I also feel getting started with the prototype was a little difficult, because this is a combination of all the design factors that will make the site user-friendly and interesting.

### **What would you do differently next time**

Well, I think I had a good approach to this assignment when it comes to design. What I should have done is to run the WCAG check already when working on the prototype. I did this after I had started coding, and I had to darken the color a little bit for it to ble compliant.

## Technical

### **What went well on the project**

The downloading of WordPress and migration to the host worked fine on this project. The setting of the site to “headless” also worked fine. I’m starting to get the hang of how to get wp-json from WordPress and this is really motivating! I feel like I’m starting to be able to make some neat web-projects using a wordpress as a headless CMS.

The carousel was the task that took the longest. I decided to not look at any code online on this task. This gave me a real challenge on how to make it work on all screen sizes. I decided to go for a carousel which has four posts on desktop, then down to two, and finally one on small screens. The total was 12 posts on all screens. This means that I had to give a different amount of “clicks” on different screens.

I solved this by changing the maxCount variable based on the size of the screensize (11 on mobile, 5 on bigger screens and finally 2 on desktop). When tha maxCount is reached, the carousel resets. Also, I had to find a way to reset the carousel if the user click, let’s say four times on small screen and then makes the innerwidth of the browser bigger. The maxCount will then be higher than what is allowed on desktp and breakes the carousel. The carousel resets if the counter is bigger than maxCount.

For the modal, I was a little unsure if the task was to have a hidden dialog element on the blog specific page, which loads yet another image. I decided, for performance of the page, to go for a transformation of the image when it is clicked which makes it bigger and adds a blurred screen around it. This means that I don’t have to load to of the same images on the same page. Clicking outside the image removes the “transform class”. The modal function for the image only works on larger screens, because I don’t see the point of opening a modal on small screen sizes were the image already takes the whole screen size.

I think the HTML and CSS part went well. I know there’s lots to learn, but I think I’m starting to get the hang of how to make responsive sites. I did mobile first for styling which I think is the best method for making responsive websites.

I decided to make a search function in the level 2 process. This went well, and I think this is a result of me getting better at Javascript. For the next project, I wont add the search bar inside the li-element of the nav, as this makes styling difficult.

### **What was difficult/didn’t go well on the project**

I actually spent a lot of time on getting to know the wp-json for posts before I started coding. I wouldn’t say it didn’t go well, but it was a little difficult to figure out what the best way to show the excerpts of the blog posts compared to the blog-specific page. One solution which I went for first was to use the content from the blogpost with an image and text. But this meant that I couldn’t give the image an id for the modal part of the assignment. So therefore, I kept the content with only text and used the featured image for both the excerpt and the blog-specific page.

This introduced another problem: how do I get the url of the featured image with wp-json? The url wasn’t anywhere in the json I got back, but I figured out that it was possible to add *?\_embed* behind the id of the post, and this gave med some additional json I could use to fetch the featured image url.

The carousel was obviously difficult to get to work on all screen sizes, but I found a way to make it work.

### **What would you do differently next time**

I will probably use import/export of modules more on my next assignment. I used it for one function for creating HTML, but I think there is a potential in using it more for exporting and importing variables.

## WCAG guidelines, content management and SEO

### **What went well on the project**

I think I did a good job on choosing the right HTML elements for the project. I Also checked the color contrasts and added a meta description and h1 for each page. I also used the WAVE tool for the website.

### **What was difficult/didn’t go well on the project**

I tried to do this as correct as I could while coding, but I had to spend some time on getting this better. I ran several different free website scans, and some of the results were a little hard to fix. I did get some errors which I couldn’t fix.

### **What would you do differently next time**

## References

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