



**Noroff**

School of technology  
and digital media

# **Project Exam1**

Eirik Berget Haukeland

Word count: 1064



## Project setup

I started by making a [Tello board](#) on which I added all the tasks I could think of: Selecting subject, gathering inspiration, making the different pages (adding steps for wireframes, design, html, css, js, and testing per page), wordpress (setting up, adding posts and making it headless), adding hotjar, setting up netlify, and more.

The subject I selected was cooking. As I have been working as a professional institutional cook for some years and as such have some experience, and many loose recipes and recipe books from which to get inspiration and recipes.

## Design

I started the design process by going to many websites and taking screenshots of the things that seemed interesting and/or useful (Inspirations list), as well as asking my family what they expected when they visited cooking sites.

After having gathered inspiration, I used about one and a half weeks to make different wireframes for the different pages and tested the wireframes on several people. From the tests I got several ideas that I integrated into the design, like:

- having tags that filtered the recipes that was shown to the user
- merging the search page into to all posts page instead of having to pages with pretty much the same content
- making the ingredient list on the recipe page a drawer (instead of using the sidebar operated by a button) as it then became easier to move back and forth between the sections.

I then used about one week on turing the wireframes into code, adding in color, setting up some sample cards and articles as well as making a prototypes and related logic that I used in further user testing, after witch I made changes to font size and card sizes as they seemed to take up too much of the screen. I would have tested font-families but ran into problems with Figma which made this not feasible.

## What went well on the project

- I got a lot of user testing done in the early stages so that most of the necessary changes was done before I had even started on the HTML and CSS.



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

- Figma has a problem with font selection on linux. I ended up not even being able to use google fonts. And had to make the design without taking fonts into consideration.

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

- I need to see if there is another alternative to figma or a fix for the font issue as neither the community font server for linux (figma do not make one themselves as the market segment is too small) nor google fonts seems to work for me.
- If I find a way around the font issue then I need to spend more time learning how to use the program as there were situations where I spent a lot of time manually changing the same thing across many instances of a component.

### **Technical**

I spent a few days writing out all the HTML pages and sent them through an HTML validator on [w3c](#). It might have been a good idea to invest some time early on making things like the carousel and article-sections into [web components](#), so that I would not need to set up the HTML structure on every page that I needed that functionality.

I spent about a week – week and a half on the css to begin with and then went back and forth as I discovered problems when working with JS and the JSON data form the API.

When fetching data from my Wordpress there was some difficulty in finding out how the recipe plugin worked as the documentation seems to be focused on its use in the Wordpress editor. And I made quite a lot of convoluted loopings that I later figured out it's better solved with other functions.

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

- When I first got the api data the act of working with them went rather well.

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



- I spent some time implementing logic that I later learned that I could do with simple map, reduce, and filter functions
- When I started with the CSS I tried to implement the CSS Cube naming convention, but it fizzled out

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

- I might start making components like the carousel and the article-sections in to [web components](#)
- I would like to have styling for different reusable components separated from the main.css next time

### **WCAG guidelines, content management and SEO**

I checked in on WCAG periodically throughout the project, as I checked color contrasts, validated the HTML and added aria-labels to the HTML, setting hover styles and the like. I got a tip about Lighthouse in the chrome browser on the last day of the project and would have liked to use it more if I had known about it beforehand as it seems to be a rather useful tool.

For content management I used wordpress and a plugin called “WP recipe maker” as it made the process of adding the recipes a lot quicker and easier. Even with the initial confusion when trying to get recipes out of the API as the recipes would also not show up when trying to fetch. I had not added the recipes to a post first, something that I could not find in the documentation, but only learned when a friend suggested adding the recipes to a post.

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

- I was early on with adding in aria-label for different parts of the project including the navigation with aria-page“current” that I found in a video from Kevin Powell (see References)
- I added hover, and focus states to all the interactable components and gave the cursor: pointer on them.
- I have added alt-tags to all the images and each page has both unique titles h1, and meta descriptions

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



- Problems with using the API, documentation seems to be focused on making recipes with the Wordpress editor and could not be fetched from the api unless they had been added to a post.
- In the api description there was information on how to get posts by id witch said that it took arrays and ints, but all the ways I tried to make this call with an array either got an error or ignored all but the last entry (I tried in the following ways:
  - "example.comi/wp-json/path/to/plugin?api-key-name=1,2,3
  - "example.comi/wp-json/path/to/plugin?api-key-name=[1,2,3]"
  - "example.comi/wp-json/path/to/plugin?api-key-name=1&api-key-name:2")
 The fist to got an error and the last only returns data for the last api-key-name

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

- Lighthouse in chrome and next time I would like to use it as I get a lot of nice feedback.



## Inspirations list

- <https://www.matprat.no/>
- <https://meny.no/>
- <https://www.rema.no/>
- <https://ceciliesmat.no/>
- <https://trinesmatblogg.no/>
- <https://detgladekjokken.no/>
- <https://heiamat.no/>
- <https://aichasmat.no/>
- <https://matpaabordet.no/>
- <https://frutimian.no/>
- <https://idagranjansen.com/>
- <https://tine.no/>

## References

(place references to websites, books, forums etc. that helped you in the project)

- <https://developer.mozilla.org/>
- Kevin Powell, "how to write semantic html", 7. february.2023, internett: [https://www.youtube.com/watch?v=IWu5zf\\_S9R4](https://www.youtube.com/watch?v=IWu5zf_S9R4)
- Wenche Andersen. Kokeboka. Oslo: Cappelen Damm, 2010, p.542-p.543

