

Personal Project

Portfolio Development

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Context

In this document, I describe how I built the portfolio using software. Specific pieces of code are explained, and it describes why I made certain choices.

Research Methods



Proof of Concept

Create a prototype or demonstration of a single critical aspect of your idea to test if it really offers a good solution to the problem you are solving.

(CMD Methods et al., 2015)

Results

The entire portfolio was created in HTML, CSS, Vanilla JavaScript and JSON. The decision to choose these is explained research paper "[How to make the portfolio scalable?](#)".

The deliverable page is partitioned with a card element that repeats as many times as the number of arrays in the JSON file. This JSON file contains all the data visible on the card. Including the title, image, description, project type and the texts that appear on each project page. This allows for clear editing of the text in the JSON file and changes in all locations of the website.

Because the JSON file takes longer to load, we used a Javascript EventListener that shows a loading icon until all data has been loaded.

To avoid problems, I worked with a version control system. With each component completed and fully working, I pushed it to GitHub. Here the code is safely stored, and I can always go back to an older version.

Check out all the source code on [GitHub](#).

Conclusion

Writing code yourself takes quite a bit of time and effort. Since I have very little experience with Vanilla Javascript, this was a good project to learn more about it. Using JSON came in handy in this project. However, using a CMS system would make this even easier to add content.

Learning Outcomes

Learning outcome 3: Software design and realisation

By creating and reusing software components and libraries to build a working product with code. And using Github as version control.

Literature

CMD Methods, Van Turnhout, K., Jacobs, M., Kamp, I., Mulholland, C.,
Neuman,

A., Rouwhorst, S., & Van Vlies, L. (2015). *CMD methods*. Accessed November
9, 2023, from <https://cmdmethods.nl/>