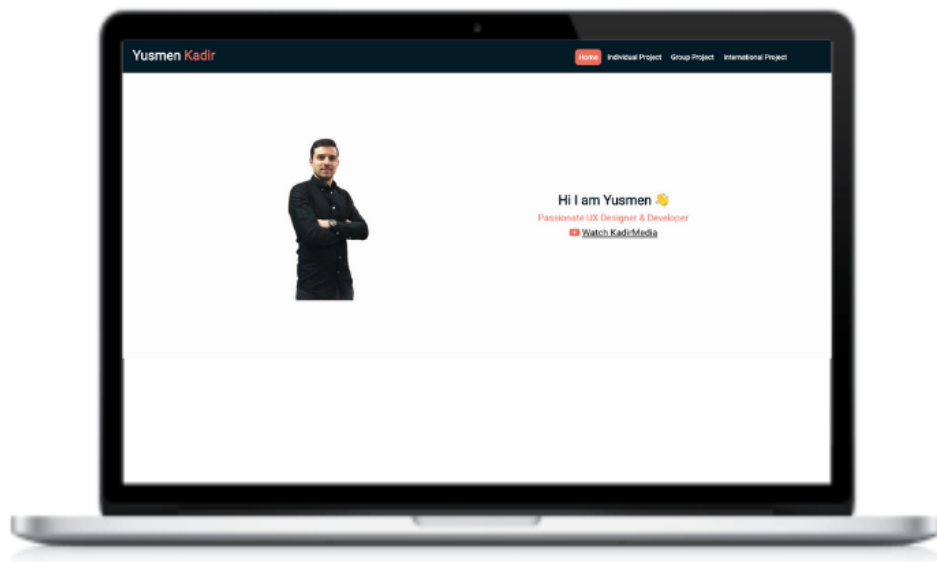


Reading Guide

Portfolio Website

Yusmen Kadir



The Assignment

Context

I designed this portfolio website in order to showcase my individual & group projects developed throughout the semester.

Goal of the Project

The goal of the project was to design a portfolio website that would show target users the products I have done during the semester in the simplest and most interactive way. The initial goal was to perform research in order to answer the research questions described in the project plan and then by drawing conclusions from the conducted research to proceed to designing, implementing and testing the structure of the site. At the end of this project, the basic structure of the site had to be ready and tested, so that I could subsequently add the necessary products and descriptions later on.

Description of process & results

Due to the nature of the project and the fact that it was small I couldn't follow the design thinking methodology completely therefore I came up with my own process and I broke the project into separate phases:

Research , **Prototype** , **Implement** and **Test**. I used methods from <https://www.cmdmethods.nl/> & <https://ictresearchmethods.nl/Methods>.

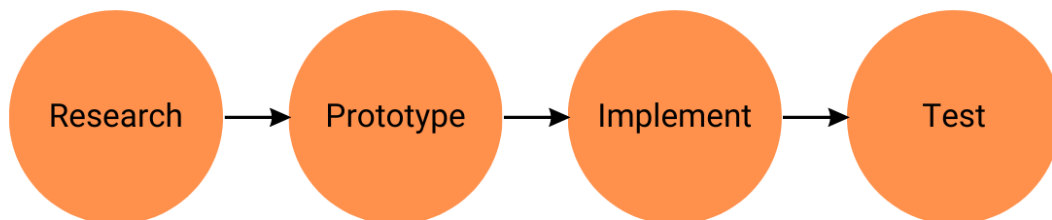


Figure 1. Representation of project phases

Research phase

During the research phase I aimed to answer the research questions via using the Literature study method from [ICT research methods](#). The goal of the research was to facilitate designing of the website via integrating the important findings into the design.

Research questions

How can I use design principles to create a visually appealing and user-friendly website?

Method: Literature study

Result: From the conducted research I found out that there are [9 principles](#) of good web design. I incorporated some of those principles into the design later on.

What color schemes would be most effective for my portfolio website to create a visually appealing and cohesive design?

Method: Literature study

Result: I found about the **60/30/10** rule (figure 2). More information about that can be found [here](#).

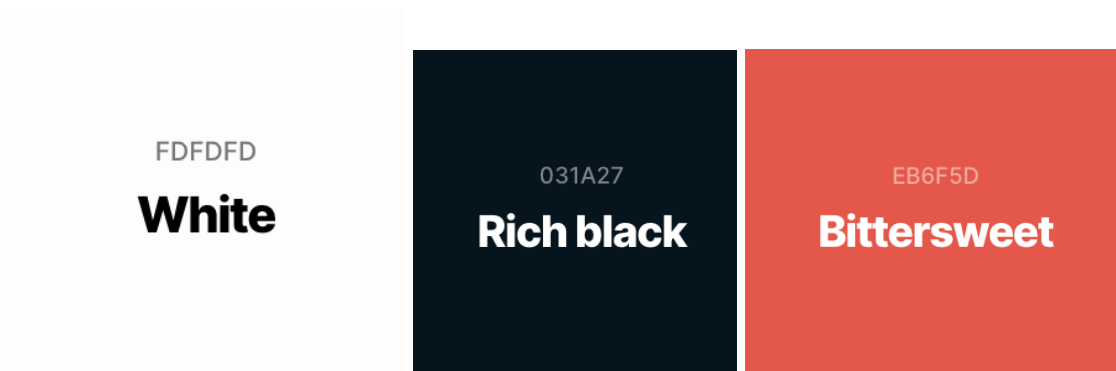


Figure 2. Website color scheme

What typography options are available, and which would be most effective for my website?

Method: Literature study

Result: I researched available typographies and decided to use Roboto (figure 3) font as a main font for the website. You can read more about this [here](#).



Figure 3. Roboto font

What tools should I use to collect data from the usability test?

Method: Literature study

Result: I found Useberry which is a user testing platform that allows conducting usability testing and testing prototypes with real users. I described the reasons for my choice [here](#).

Which front-end frameworks and libraries I can use to develop my portfolio website and what are their benefits.

Method: Literature study

Result: I researched the appropriate technologies and libraries that would allow me to create a fast-performing website with effective visuals. Research can be found [here](#).

How can I improve the website's navigation and performance to enhance the user experience?

Method: Literature study

Result: I found a list of techniques to make my website's performance better. More about that can be read [here](#).

Prototype phase

Method: Prototyping

Result: During this phase I created low and high fidelity prototypes of the website in order to visualize my ideas. While designing them I kept in mind the design principles I encountered during the **research phase**. Those prototypes helped me a lot while implementing the website later on. Prototypes can be found [here](#).

Implementation phase

Result: Implementation phase went smoothly. I took advantage of the features React provided. I pushed the code to a remote repository. The repository can be found [here](#).

Test Phase

Method: Usability Testing

Result: I conducted usability testing to test the website with real users. I took advantage of Useberry's features and created a test with multiple tasks which users needed to fulfill when they were interacting with the

website. My main goal was to determine if users will be able to easily find key elements on the home page and I wanted to track their clicks. I created a usability test report which can be found [here](#).

Reflection

I wrote a reflection about my individual project [here](#).

Proof of learning outcomes

Note: click on the underlined links if you want to see a specific proof

Learning outcome	Proof
User interaction (analysis & advice)	I performed Literature study in order to answer the research questions described in the project plan .
User interaction (execution & validation)	I used the prototyping method to create low and high fidelity prototypes of the website . I conducted usability testing to obtain feedback and improve the design
Software Design	I investigated existing frameworks and libraries during the research phase. I coded the website with technologies

	found from that investigation. I used Git as a version control system. Project code can be found here
Future oriented organization	At the beginning of the project I developed a detailed Project Plan . After feedback from the semester coach I revised the project plan. Final version of project plan can be found here
Investigative problem solving	<p>I created the primary and sub research questions in the Project Plan</p> <p>I used the conclusions formulated from the conducted Literature study during the research phase to justify my design choices.</p>
Personal leadership	I wrote a reflection about my individual project here .
Goal-oriented interaction	N / A