

Community Science Museum

Semester Project 1

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Figma:

<https://www.figma.com/file/mdqF44jsFeJ1olpd7fngSb/Community-Science-Museum---Semester-Project-1?node-id=22%3A89&t=b1hRiXNcMvzGH63O-1>

Netlify:

<https://capable-crepe-8d1091.netlify.app/index.html>

Github:

<https://github.com/mariusrundereim/semester-museum-1>

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1. Summary

The brief of this semester's project is a Community Science Museum opening in my hometown. The website has six semantic pages with well-organized, eye-candy content for the target audience. The core target is children aged 7-15 and families with young children.

Color grading is the key to grabbing the children's attention.

2. Body

2.1. Design

The first week was a big week on design for finding the right vibe for this semester's project. A significant effort to aim at the target audience and appeal to children and parents. And some candy for the eyes. Finding a playful color theme combining that should be passed the WCAG was challenging.

Branding colors contain many colors at the same time. The primary color is purple and has supported colors like orange and green.

2.2. HTML and CSS

The HTML code is very semantic written. This purpose is to make a more logical meaning of what is written. During the project, the code seemed more logical to the developer himself than what the user reads it. Would it be correct use if both parties looked at the code logically?

The menu navigation on this website doesn't have Javascript and has HTML and CSS only in the code. It's fully responsive and works on every device.

The checkbox trick is from the video under HTML and CSS Module.

The full menu navigation is hidden from mobile to laptop screens for a visual layout to show less information than needed and because the menu has not enough space to offer a full menu.

2.3. Don't repeat yourself (DRY Principles)

The CSS code title is more understandable than earlier projects. Behind the design is the code following the DRY principles. Experience that code could

be usable in other places in the code. If there are natural places where things are not similar, unique classes have been created.

2.4. Responsive

Mobile-first for easier creating this website should fit all screen and mobile devices. A persistent attempt to make the website look good in all sizes has put more focus on the most popular size.

The maximum width on the website corresponds to up to 1520px. (Ref [Link 1](#)) Pages this semester contains unique heading title and more consistent use than before.

2.5. Psuedo-elements

The fabulous technique (before and after) learned from Kevin Powell (Ref. [Link 2](#)) is used quite often in this project. A great example is the numbers above the page titles and navigation. NTH-Child is also used to select elements based on position inside of a section that doesn't need to set an extra class for selection.

2.6. Images

The pictures are in low filesize for a better and faster experience for users with low bandwidth. Photos that aren't in the semester project's assets are from "Unsplash.com" or "Pexels.com" for free licenses. Finding other images is to get the vibe I want with this project. Picture names describe as the page name, and I have inserted a number at the end, considering the order in which the image is on the website.

Image many places in my HTML are located in CSS background-image for decoration and does not have an alternative text. The user who cannot see the image can read the title and the section title over and below where the pictures are placed on the page.

2.7. Typography

The typeface is a sans-serif called "Space Grotesk." It has nothing to say, but the font's name fits the project. The visual of the characters look very modern and tech also fits the project well. It is very easy to read in large and small font sizes. The font can be in a heading and a paragraph. There are better practices to have more than one typeface, in this case is great to only have one.

2.8. Colors

The color palette has a very bright contrast. Colors are put in a category like purple is the sky and above us. Biology has an orange for the organism and human body. Ecology is green for nature and the planet.

From a technical aspect, colors have a transparent color for playing around with the color spectrum.

For better visual improvement on the website, change the background color from pure white to a very light color.

2.9. Trello (Project Methodology)

If it is not daily, there is at least a weekly follow-up on the Trello table of the project. Have added more detail to the Checklist on the General bug-fixing card in the last week as planned. General this board gives more control before starting this project rather than working on the project on a daily basis.

2.10. Learned knowledge


This semester has given me more self-confidence to write code and changed my mind that front-end development and coding are not as tricky as it looks and not so scary.

3. References

1. Link 1

<https://www.browserstack.com/guide/ideal-screen-sizes-for-responsive-design>

2. Link 2

 Before and After pseudo elements explained - part one: how they work