Technical Report

Community Science Museum

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Word count

Summary: 250 | Main text:500

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1. Summary

Coming into this semester project felt a lot better than the previous website we made. This is both because I had more experience but also that I had a clear plan in how to approach the tasks and an estimate in how long each would take.

The plan I made using Trello made it easier to start the different tasks without worrying to much about everything else that would have to be done eventually.

I think the general plan of my design has been followed surprisingly good, although I ended up using less time on the HTML / CSS part than I had originally thought and had time to make some changes that I think improved it.

Regarding colour choices I wanted to use light colours because of the target age group, and I found especially light yellow to be an excellent choice here. I also wanted a sharp contrast colour that worked well with the light yellow. For this I choose dark green which is also a good match for a science museum.

For responsiveness I made sure elements and whole sections would be responsive when I first made them. After finishing a section, I always tested it on multiple devices and widths.

For accessibility I made sure it would be good contrasts for the visually impaired. I also did my best to write semantic and good HTML, and of course also add alt text to all photos.

Doing this semester project has made me more confident in my HTML and CSS skills and I have learned so much. I think I did a respectable job overall and I am happy with the result.

2. Body

2.1. Introduction

I really enjoyed this project. When we first received the brief, it was not at all what I expected it to be, but I had a lot of fun making the design and website and I learned a lot!

2.2. Main section of report

Since I already planned before starting this semester project in how I wanted to approach it using the Trello board it went a lot smoother than it would have otherwise.

For the design part of the project, I looked up other Science Museums that had about the same target group as my project had. This was mostly to get ideas how the page would look and what elements I wanted on my page.

For the whole website I wanted to make it exciting for the target age group, but I also wanted to make sure it did not look to childish.

For the colours I picked a dark green as a colour for header and background for some section/elements, because it can give a positive yet serious impression, it also works well on Museum website.

I also wanted to use lighter colours. This is because of the target age group. I decided on using light yellow as my main colour. It goes well with the green colour, also giving it a good contrast. I also decided on using a light-yellow background and found this to look more exciting for my target group than using the plain white.

I also wanted the different elements to not be too plain. Therefor I used more colours on some sections to make them stick out a bit more and look fun, but I sticked mostly to the same colours (the logo colours). I also added different hover effects to elements. With this I also made sure to make alternatives for mobile / pads where you cannot hover so that they would not miss any of the content.

I have tried to make the HTML as semantically correct as I can for screen readers to navigate. When it comes to responsiveness, I just made sure the elements were responsive when I created and tested them on different widths / devices to make sure. It saved me a lot of time instead of trying to fix the responsiveness later.

2.3. Conclusion

Considering everything I am happy with the result. I can also say for sure that I feel a lot more confident writing HTML / CSS now than I did before starting this project.

3. References

ChatGPT:

Slider function (index page): I knew originally from last project how to make a slider function. But I wanted to make one without moving the photos physically. I got help from **chatGPT** in learning how to do it with opacity. But to clarify the code is written by me and nothing was copied. It was just help in learning how to do it in a separate way.

ChatGPT also helped me at the very beginning with choosing colours for the project.

YouTube:

The card hover animation on the event page (where text is hidden but showing when element is hovered) I learned from watching this Youtube video: https://www.youtube.com/watch?v=t5zFfDdvApE

Photos:

Photos I used that was not part of the brief.

SCIENTIST IMG:

https://www.freepik.com/free-photo/scientist-man-doing-surprise-gesture_1184290.htm#query=crazy%20scientist&position=48&from_view=search&track=ais

TEACHER (for teacher section)

https://www.freepik.com/free-photo/side-view-kids-learning-sunday-school_30590398.htm#query=teacher&position=32&from_view=search&track=sph

https://www.freepik.com/free-photo/children-doing-chemical-experiment-teacher-watching_31240029.htm#query=teacher%20science&position=31&from_view=search&track=ais

RESEARCHERS:

https://www.freepik.com/free-vector/team-people-work-with-seo-analytic-data-concept-business-analysis-search-engine-optimization-internet-vector-flat-illustration-teamwork-office-with-graphs-charts_24076182.htm#query=researcher&position=6&from_view=search&track=sph

donation:

https://www.freepik.com/free-vector/box-with-money-charity-donation_5681073.htm#page=2&query=money%20donation&position=12&from_view=search&track=ais#position=12&page=2&query=money%20donation

Get involved main photo:

https://www.freepik.com/free-photo/medium-shot-business-team_13377864.htm#page=4&query=community&position=18&from_view=search&track=sph

Experimental sunday:

https://www.freepik.com/free-photo/medium-shot-girls-wearing-goggles_13360869.htm#query=experiment%20kids&position=1&from_view=search&track=ais

4. Acknowledgements

Start writing here

5. Appendices

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