



Noroff

School of technology
and digital media

Technical Report

HTML and CSS – Course Assignment

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1. Summary

I made HTML and CSS Course Assignment by myself. I wrote code by myself. Some part of Java Script code which was not part of assignment in this module, was modeled on MJ Phillip code – I will describe details in right part of assignment.

Some prototypes created by me in Design 1 - Course Assignment were changed a little bit during coding of webside, to be more readable for website users, but however prototypes and coded websides looks almost the same.

All pictures, photos and illustrations used in this assignment were already used in Design 1 - Course Assignment.



2. Body

2.1. Introduction

I planned my coding work with sharing layout for smaller *.html files, placed in folder “layout”, besides index.html, such at it will be easier to find correct file. The same method I used to *.css files. I placed them in “css” folder and shared for smaller files such as I made it in layout, that it will be easier to find the right file.

All *.css files were imported to main css file – style.css. By using style.css I connected each *.html site to right styles.

Additionaly I used Java Script for better and easier functionality improvements.

2.2. Main section of report

Each *.html site got unique meta description, title and h1 heading. I tried to include right semantic tags instead of using <div></div> tag everywhere. Of course in my code there are various “wrappers”, where I used tag <div></div> to wrap for example a part of code on which should be used property display: flex. Semantic of website was checked by using HTML Validator - <https://validator.w3.org/>.

I tried to create this website WCAG compliant and accessibility, by using right, semantic tags, right color contrast, right size of font.

The site is responsive. I wrote quite much media queries, to adjust website to many devices. Media queries don't include many “width” properties, because of I used “display: grid” with “grid-template-columns”, “grid-templates-rows” and “display: flex”. However Grid and Flexbox, I adjusted “font-size” in media queries and “margin”. Depends on screen size in media queries was changed as well quantity of columns and rows by using and overwriting Grid. I used class “.container” to create wrapper, where I placed whole content of website, such as max width of site is 1200px.



Minimum width of screen where all parts of projects look well is wide 240px. Under this width, because of size of some elements or font size, website doesn't look well. So recommended minimum width for my project is 240px and maximum width will not be wider than 1200px.

I used classes to write right styles in my project. Many classes were reusable, generally I had to change main class, with one described html file I was working with at that moment or add a new class to existed one. I tried to use first main class from currently html file and add reusable class. Because of that I was sure I will apply the right styles to the right file.

I tried to write DRY code (don't repeat yourself rule), that means that I didn't want to repeat the same code in many places. I was trying to collect the same properties in one place. Good example to show of collecting some properties in one place is file "global.css", placed in css/global/global.css. There are for example colour variables, main reset for styles, heading and many another selectors I used in whole project in many places. Of course when I needed to change style of some element I selected right selector in right css file.

To navigate between sites on my website mostly I tried to use links ``, but in some places I used `<buttons></button>` and Java Script code.

To generate different jackets in my projects I used code (read more: Acknowledgements 4.1.) written by MJ Phillip, used in Gutar Shop project. Of course I had to rebuild this code and adjust to my website. I tried to show I can make something by myself when I write code and instead of using loop for with iterator `let i = 0`, I used loop for ...of which one give same effect. I tried to write "if " conditions by using ternary operator.

Not all websites in this project which require Java Script includes Java Script jet. For example cart.html, cart-payment.html, cart-



succes.html, empty-cart.html are hard coded in html, because it needs more time to write everything perfect with JS and maybe some data base to make whole system of website ready to work as a real online shop. However buttons, links and everything what should be clickable is clickable.

In cart-payment.html there is a payment form.” It’s used `button[type=“submit”]` instead of `input[type=“submit”]`, because of unfortunately `input[type=“submit”]` didn’t like to work in Safari, that’s the way I used `button[type=“submit”]`.

This form doesn’t have form validation made in Java Script, thus to use chcek how works html form validation tutor should comment lines in script.js regarding NEXT button (script.js, lines 84 - 89), which one is moving user to next side.

2.3. Conclusion

As a conclusion I can write, that I was trying to write code of my side without using framework as Bootstrap. I created own classes and then was using them in my code.

I was focused to write semantic and neat HTML code, WCAG compilant website. I didn’t use copied code at all, even Java Script code written by tutor in task 4.4. I tryied to implement by my own method.



4. Acknowledgements

Acknowledgements 4.1.

I used as a vase code written by MJ Phillip in follows links:

<https://github.com/Noroff-Education/lesson-task-htmlcss-module4-lesson4/blob/answers/js/addProducts.js>

<https://github.com/Noroff-Education/lesson-task-htmlcss-module4-lesson4/blob/answers/js/details.js>

<https://github.com/Noroff-Education/lesson-task-htmlcss-module4-lesson4/blob/answers/js/index.js>

<https://github.com/Noroff-Education/lesson-task-htmlcss-module4-lesson4/blob/answers/js/products.js>

Pictures and websites used in project:

<https://www.pexels.com/pl-pl/zdjecie/osoba-stojaca-nabrazowy-drewniany-dok-395196/>

Pictures of jackets were taken from www.decathlon.pl and rebuild to using them in my projects. My project is not commercial. It's just study exercise.

Icons made by [Roundicons](https://www.flaticon.com) from www.flaticon.com

