





Noroff

School of technology
and digital media

Technical Report

Interaction Design CA

Mariusz Rozycki - mar21PT

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1. Summary

To make Interaction Design Course Assignment I followed guidelines presented in brief to CA.

Already in September I asked my colleagues from studies to play with my cross-course project. I needed to collect data from Hotjar and I got it.

I got minimum 15 recordings of sessions and then I was able to see how people are checking my website and what they do there. Additionally I asked another friends to test my project. I got many feedbacks and then I could start rebuild my project.

I improved website by adding functionality to cart and validation of contact form with JavaScript.

To add cart functionality I created possibility of adding and subtracting of items in cart. I let user remove single item from cart and choose size of product. About choosing size I meet some issues they aren't solved yet completely, but I wished to deliver best functionality I could improve.

I made validation of contact form in contact.html. To create this functionality I helped myself with old CA, where we had to make a contact JS validation.

I made as well checkout website and nav to cart, payment and checkout process. I only regret, that I couldn't manage completely with functionality self cart on cart.html. It looks like I'm losing somewhere on the way variable size, which one is necessary to change number of units in cart and remove items. However cart works inside jacket details, but there variable size is generated by clicking of input responsible for size of product. On cart.html self product, isn't generated, only cart from localStorage and this can be main problem.



2. Body

2.1. Introduction

Before I started to build new functions in jacket-details.html, cart.html, cart nav and Java Script validation of contact form as I wrote in summary I collected data from Hotjar and reviews, opinions, test from colleagues and friends.

The first issue I encountered it was old problems with contrast of colours. Exactly colour I called var(--tertiary-color), was too strong in contrast to another colours I choose, when created style tile. I used <https://wave.webaim.org/> to eliminate this issue and problems with availability for people with some visual disturbances.

Website <https://wave.webaim.org/> was showing as well issue with element “search” in main nav, so I rebuild it to make it available by using keyboard (unfortunately self Java Script functionality doesn’t work there yet).

2.2. Main section of report

When I managed with above issues I started to look at Hotjar data and another reviews. First problem people were indicating on, and as well I saw it on Hotjar sections, was that not whole items were clickable, but it was necessary to click on “Show item”, to get item details. I managed with this problem by adding onclick=”location.href=’...’” on whole item to make it clickable.

Additionally I add in css file cursor: pointer to let user know, that it’s possible to click there.

I got information that it could be better if on OUR JACKETS website it would be possible to see all products, not only main categories like MENS JACKET, WOMENS JACKETS and RAIN COATS. I rebuild our-jacket.html this way, that first user sees those categories and under can look at all jackets from all categories.

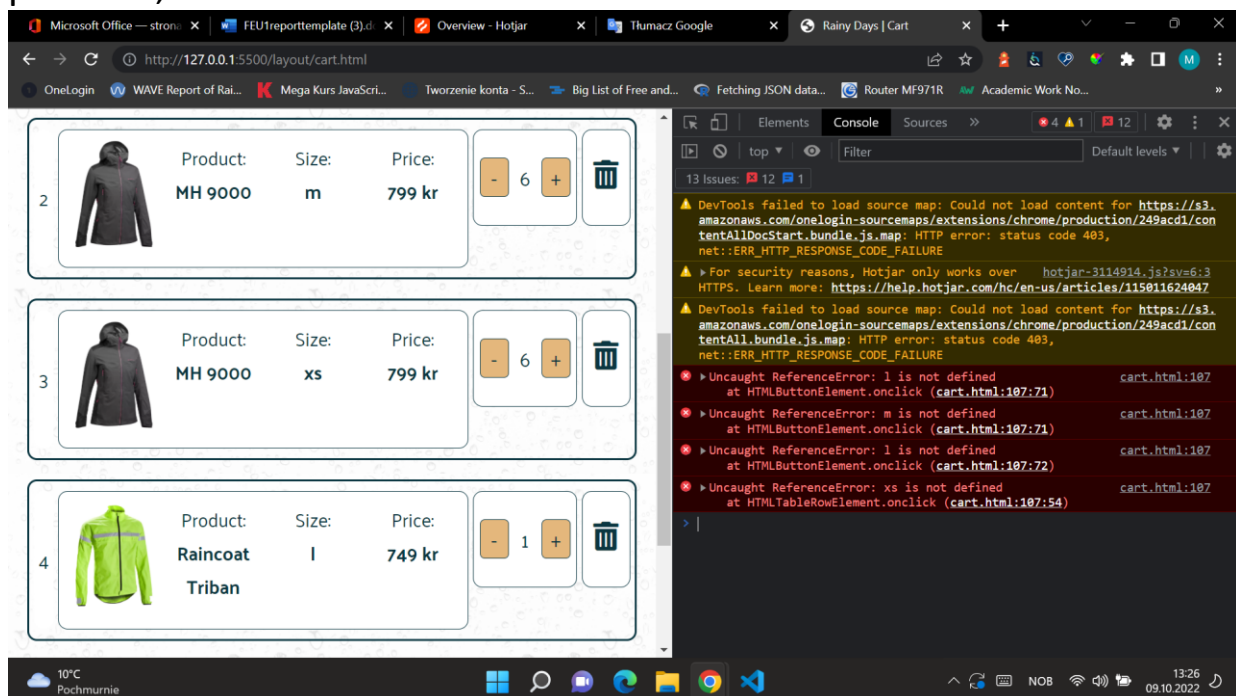
This solution works just when it is available around 20 items, maybe 30. In case if it would be more, I should find another way to



present all items, maybe just some random products as it is made on home.html, where user can click show MORE ITEMS and there will get some most common products from categories.

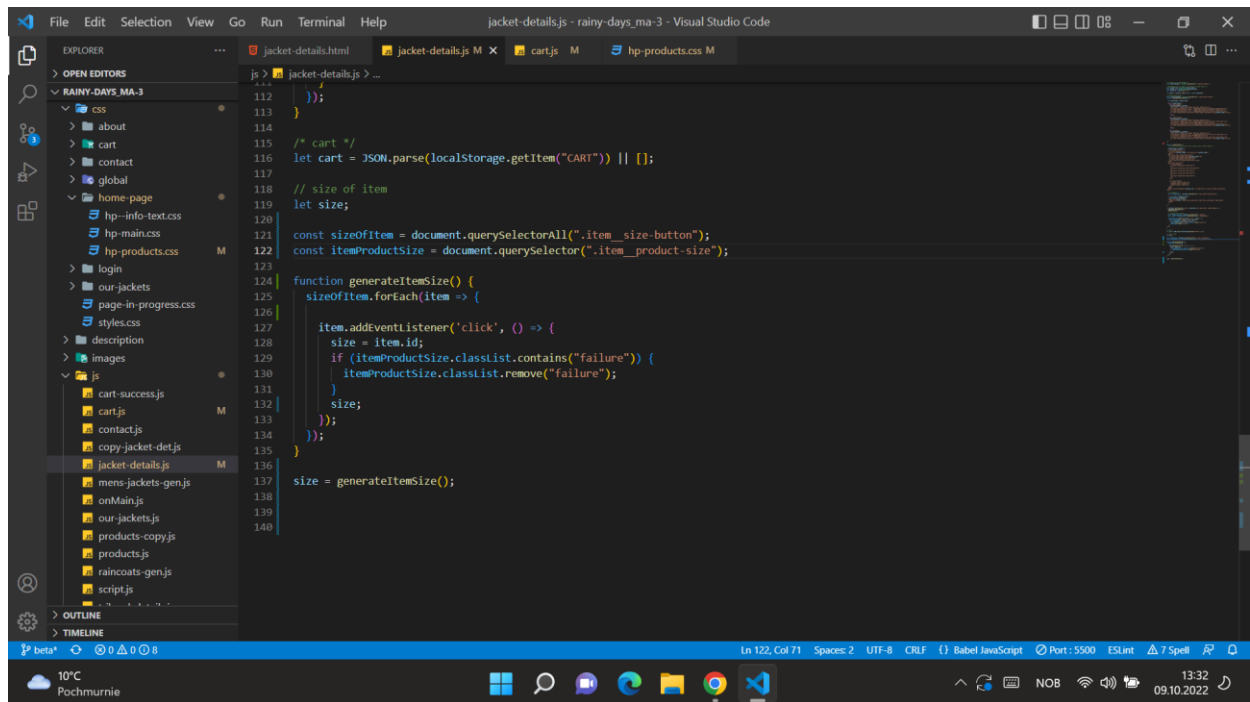
About cart functionality.

I really wanted to develop whole cart worked without any issues. First I built function `changeNumberOfUnits()` only with conditions regarding "id" of "product" and "item.id" of item add to cart. Then it worked perfect both, in cart inside jacket-details and self cart, but after adding functionality accordig size choosing and changing conditions inside function `changeNumberOfUnits()` I got problem, that size isn't visible.



Pic. 1. Print screen of issues in CART on website cart.html.

I generated size of product by using id of input responsible for size of jacket-details.



Pic. 2. Print screen of code in CART on jacket-details.js function generateItemSize().

About Java Script contact form validation.

To build validation of contact form I helped myself with one CA we were doing before. That was my project, so I just matched it to currently Interaction Design CA.

2.3. Conclusion

I think I really made a good job in this CA. I improved cart.html, jacket-details.html, contact.html. I fixed the bugs related accessibility. For sure everything can be make better, but I already see big progress in my cross-course project and wish to eliminated completely issues like unknown size in cart.

To make functionality in cart I watched many videos on YouTube and watched again part of our course related to localStorage.



3. References

Cart functionality:

- 1.) [JavaScript Shopping Cart Tutorial for Beginners](#)
- 2.) [8 Must Know JavaScript Array Methods](#)
- 3.) [E-Commerce JavaScript Tutorial - Shopping Cart from Scratch](#)
- 4.) <https://noroff.bravais.com/document/7003/preview> -
localStorage



4. Acknowledgements

Start writing here



5. Appendices

