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05-430 PUI

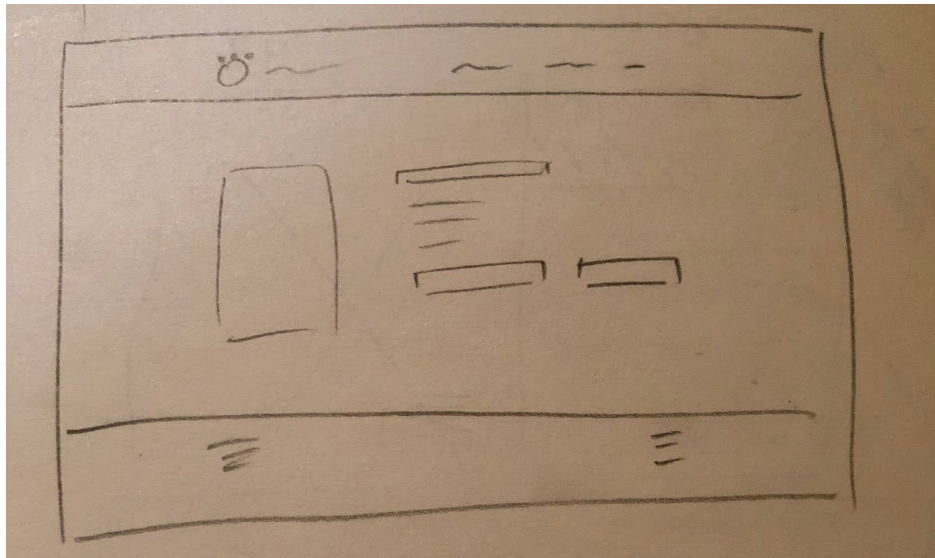
Assignment 5 - Adding Functionality to a Website with JS

Due: March 27, 2018

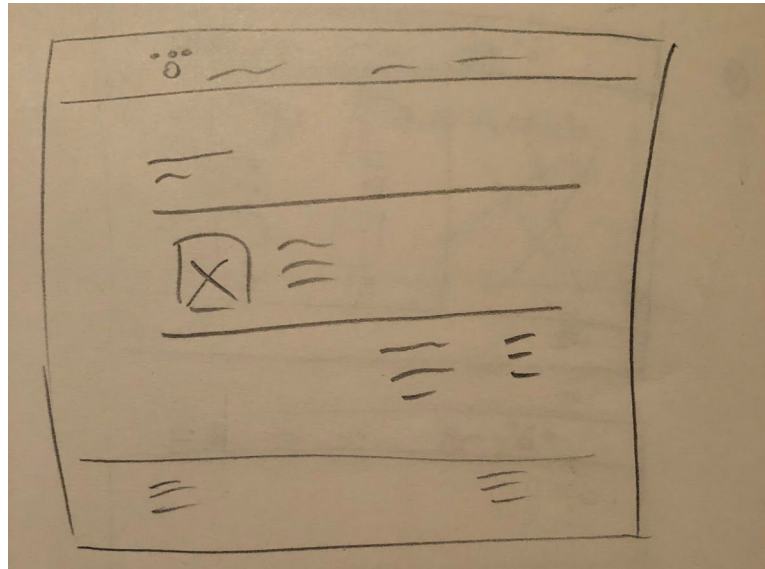
Part 1:

1. Low fidelity

- Previously, my sketch for my product was in a more vertical format. I decided to change it to a horizontal format so that the most important features of the page were above the fold. I discovered this flaw through user testing. The most important feature was the 'add to cart' button. With the horizontal format, I also like how all of the information is packed in the same place. I thought this would make it much easier for the user to adjust his/her product requirements.

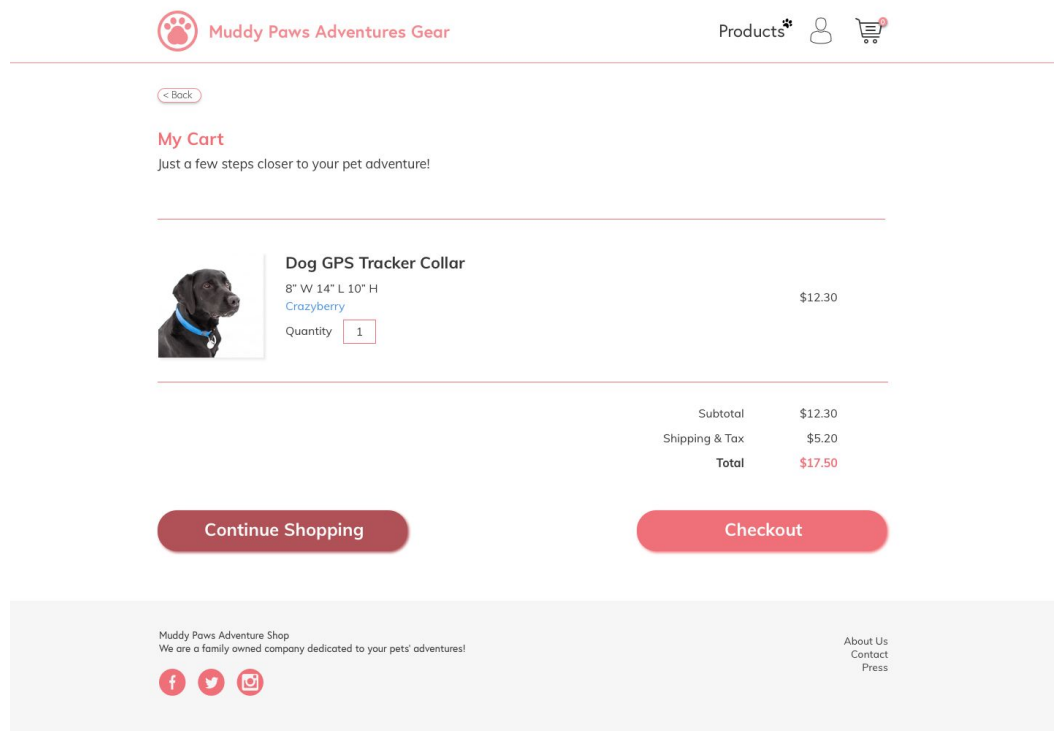


- For my cart page, I decided to make it look similar to other website's cart pages. I decided to use this same style of format because it is what users are most familiar too. Additionally, the format is very clean and simple to read and understand. Again, I decided to add the additional descriptions at the time that kind of motivate the user to complete checkout. The words, 'Just a few steps closer to your pet adventure' stand to remind the user of the mission of Muddy Paws and the mission of the user.



2. High fidelity

- For my high fidelity mockup, I decided to use the same format as my other pages. The main reason why I did this was to maintain consistency in color, icon shape, and flow throughout the site. One design choice I made was the size and boldness of the two action buttons. I thought this was an important decision because it was what users would need to do to make a purchase and what the business would need to have done in order to make a sale/money.



3. Implementation in HTML + CSS as needed

- a. See github
 - i. Cart.html
 - ii. Cart.css
- b. Note: I redesigned my website and implemented the code with HTML/CSS. The reason for my redesign was because I felt my design was too complex. I thought, the cart page, was especially the screen in need of the most work. As I said earlier, the format was vertical and the most important information was below the fold. Additionally, I felt like my code itself was too confusing to follow, with the lack of comments, all CSS files within one, and just general bad style. So, I thought it would be the best opportunity to start a new design.

4. Reflection

- What challenges or bugs you encountered?
 - I encountered many many challenges and bugs, mainly with updating the cart items on the cart page. At first, I had a lot of difficulty figuring out how exactly to access localStorage. After that, I had difficulty updating localStorage so that it would add another product when the 'add to cart' button was clicked. Additionally, I had trouble adding another line item to the cart page. These challenges were quite frustrating and took me a really long time to figure out, debug, or just move on.
- How did you overcome the challenges?
 - I worked to overcome these challenges by heavily searching on Stack Overflow, W3 Schools, or anywhere else on Google. I also worked to overcome these challenges with trial and error and just painfully trying different methods of doing something many ways until one finally worked! To work through these challenges, I heavily used 'console.log' and the developer tools to figure out where my code was breaking. I also consulted friends and asked them if they encountered the same problems and what resources helped them. I do have to say this homework was very difficult and debugging it was extremely hard with the limited information the developer tools was giving me.