

Assignment 6

Reflection:

What challenges and bugs did you encounter?

Some challenges and bugs I encountered include making button groups active when users select on them, saving users' selection when they add an item to cart, and displaying cart information. Sometimes, I had a hard time inspecting bugs from my website due to ambiguous error messages. For example, there was one time when the inspector displayed an error message saying that my addListerners function was not defined. I had addListerner function clearly written in the javascript file, but the system could not find it. This bug took me around 30 minutes to find the problem. Additionally, since I only learned some C++ before the course, Javascript was completely a new programming language to me. Understanding and learning new syntax could be hard. For example, I didn't have knowledge that I had to get item from localStorage and convert to string using "JSON.stringify".

How did you overcome these challenges?

These challenges seemed intimidating to me at first. When I wanted to implement a function, I would always search on Google and find out relevant resources, such as W3Schools and Mozilla. Unfortunately, I had "Persuasive Design" class at Fanglin's office hour, so I also went to Mary Beth and Kristin's office hour on Thursday to get additional help. When I encounter a bug, I would firstly use "Inspector" tool to find the error message. Then, I would locate the filename and the line of the bug. Afterwards, I would go back to the javascript, css or html file to fix the specific line of code and go back to inspector to find the next error message. When I see an error message that I don't understand, I would Google the error message or ask a friend in HCI Lab. Going to Mary Beth's office hour was very helpful too. I think the best way to overcome challenges is to code with your classmates, pay attention during lectures, and go to TA office hours.

Prototype Design:

When I designed my shopping cart page, my primary design philosophy is to be consistent. Therefore, I implemented the same color scheme, spacing, fonts, and layout to make sure my design is consistent when I sketched the low-fidelity prototype of shopping cart. I kept the menu, header and footer as a start. Then, I created a list of items that users chose to put in the shopping cart. I included quantity, glazing, and product type as well as a big "check out" button which provides affordance which will lead users to the checkout process. For the high-fidelity prototype, I changed all the image holders to actual images, and then I implemented the same color scheme of the website in Sketch.

Resources

https://www.w3schools.com/howto/howto_js_active_element.asp

https://www.w3schools.com/html/html5_webstorage.asp

https://www.w3schools.com/howto/howto_js_slideshow.asp

https://www.w3schools.com/js/js_json_stringify.asp

https://www.w3schools.com/js/js_json_parse.asp

https://www.w3schools.com/jsref/met_document_createelement.asp