

Website: songtang10.github.io/homework_6b

Github Repository: https://github.com/songtang10/songtang10.github.io/tree/main/homework_6b

Reflection

For homework 6b, the most challenging part is just familiarizing myself with javascript. The syntax and format of javascript is different from html/css, as well as python(which is what I previously knew), so it took a bit of a learning curve.

One specific problem/bug that gave me a really hard time was that when I tried to remove an item from my shopping cart, the page doesn't refresh automatically. Instead, I need to manually refresh the page inorder for the shopping cart display to update. The Problem wasn't with local storage, because I tried using console.log() when debugging and the cartItem array does correctly get updated every time I remove an object. To solve this problem, I used something I learnt from google: location.reload(). I added this function to my removeItem() function which makes the page display refresh every time the remove button is clicked.

Programming concepts

1. localStorage

This is my first time learning to use local storage, I can definitely see how it's useful to make the user experience more smooth and intuitive.

2. Console.log()

From this homework, I really got to learn the benefit of using console.log. This is a great way to check whether a specific line of code is working to my expectation. It's a very powerful debugging tool.

3. <script defer src="">

Script defer is something new I learnt while working on my website. It specifies that the script is downloaded in parallel to parsing the page, and executed after the page has finished parsing. When I wasn't using this, some of my document.getElementById() command always returns Null instead of a valid element. Adding the defer attribute to the javascript will help prevent this error.

4. Customized function

For homework 6b, we added many interaction for our web page with customized function. For example, I created a calculateTotalPrice function to help update the shopping cart subTotal. With the javascript functions, it provides more flexibility and functionality to our webpage compared to homework_6a when I was only using HTML interaction such as hover, onclick.

5. Transition Animation

For my product detail page, I added transition animation for when the user hover over the glazing/quantity option. Although it's only a 0.2s transition, it makes a huge difference because it makes the interaction feel more smooth and

advanced. In future projects, I will definitely think about how to use more animation to help improve the interaction.