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PUI

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HW 6B Reflection

1. Write a one paragraph reflection.

For this assignment I had to learn many stuff in order to finish the homework. Overall, I think the experience was really valuable for my understanding about how websites are put together. However, there were many obstacles I had to overcome on the way. Apart from the part of javascript local storage taught in class, I also had to fix various bugs on the way and learn new concepts such a pop up windows and checking duplicates. For those circumstances, I had to refer to the W3schools, YouTube videos, and code academy and community posts for inspiration or solutions to the problem. Many tutorials about popup windows really helped me along the way. One bug was that took me a lot of time to figure out was that sometimes javascript needed to be loaded after the html loads for it to grab info from the html file. One solution that I found was to write 'defer' in the script referring to the js file.

In general, although the time was a bit strict for me to learn js and finish the homework on time, I think the project really gave me a nice insight into how websites work. In the future, I might need more learning through other resources such as khan academy and code academy to familiarize myself with some essential concepts. I believe in the future I will be able to understand those structures better.

2. What programming concepts did you learn

1. 'display = none' and 'display = block' can be used to display or hide elements.

Example: I have used this to show and hide my shopping cart window and wishlist window visually.

2. In Js 'Html += ' can be used to add content to the original html file.

Example: I used this to achieve the effect of adding new content to the wishlist or shopping cart by adding directly to the html file.

3. Loops are very helpful : you can call each element in the list and then render it in a desired way.

Example: I used 'forEach((ele, i) ' to list out all the different flavors that are added to the wishlist and then render them out in the wishlist menu.

4. Render js script after html: sometimes javascript need data from the html file after the html is rendered.

Example: I had to either put js script at the end of the html file or add defer to the line like this
<script src="script.js" defer></script>

5. Use if statements to create simple text alternations

Example: I wanted to click the text 'add to wishlist' to add the object to wishlist, and then the text should change to 'remove from wishlist'. In order to make the text alter every time I click it, I used an if statement to help me easily choose which text to fill.

```
if (document.querySelector('.wishbox').style.display == 'none') {  
    document.querySelector('.wishbox').style.display = 'block';  
} else {  
    document.querySelector('.wishbox').style.display = 'none';  
}
```