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Github link: <a href="https://github.com/byfar1/byfar1.github.io/tree/master/homework\_6B">https://github.com/byfar1/byfar1.github.io/tree/master/homework\_6B</a>
Website link: <a href="https://byfar1.github.io/homework">https://byfar1.github.io/homework\_6B</a>/product description.html

During my coding endeavors, I encountered a number of issues that were difficult to solve, but with time and patience I managed to overcome them. The first issue I had was the shopping cart remove button removing the entire div class. I had a portion of this coded out from 6A, but it was buggy to say the least. I found out that it was because my buttonClicked.parentElement.parentElement.parentElement.remove() had one too many .parentElements, so it ended up removing the entire parent DIV, thus deleting my entire page. This wasn't exactly a challenging error to fix, but it was more of an importance of stressing the details--any small coding error will multiplicatively cause issues in the future.

Another really challenging issue that I encountered was trying to make cross-html changes through JavaScript. I discovered a solution through the utilization of localStorage. When the 'add to cart' button was clicked, it would store the selected details onto the localStorage, which I can then call from the shopping cart page and apply to the cart details.

There were also 5 specific programming concepts that I learned as a part of the assignment, and found to be extremely helpful to know.

```
function onLoadCartNumbers() {
    let productNumbers = localStorage.getItem('cartNumbers');
    if (productNumbers) {
        document.querySelector('.add-cart span').textContent = '(' + productNumbers + ')';
        document.querySelector('.navbar span').textContent = '(' + productNumbers + ')';
    }
}
```

 document.querySelector was a very useful substitute for .getElementbyId as it allowed for finer selections within the class

2) I learned that you can immediately access the dictionary by using [product.tag]. It really helped speed up the process in my coding

- 3) **Dictionary:** Using dictionaries allows me to create a more organized and detailed categorization of an item. It also allows for easy calling and editing of the details.
- 4) List Selection: I learned how to select an item in a list using an index number

```
var ClearCartButton = document.getElementsByClassName('shop-item-button2');
for (var i = 0; i < ClearCartButton.length; i++) {
    var button = ClearCartButton[i];
    button.addEventListener('click', clearCart);
}</pre>
```

5) Event Listeners: Learning how to utilize event listeners was crucial in creating interactive interfaces. I learned how to use event listeners to react to button clicks and subsequently make changes in html.