Homework 6B Reflection:

When implementing the remove cart function, I was attempting to fit it into the middle of the code. The console sent me back an error message because the element with the id “remove” didn’t exist at the time that the code was run, so I had to move the function to the bottom of the Javascript file. This was mainly a problem of not understanding what order the code would run in.

I ran into a problem with toggling the selections on my product detail page and having that update in the Javascript as well. I ended up having to change my method from CSS to using Javascript in order to get the toggle selection that I wanted.

I tried a lot of different methods to get the images on the product detail page to go from showing all of them to just showing the image for the user’s selection. When I moved my selection method from CSS to Javascript, I ended up using if/else statements to implement this functionality. The logic for my && statements in these if/else statements was also confusing to me and opposite to what I initially thought.

I ran into trouble figuring out how to make sure the user input selections for both the color and the fill for the item before adding it to the cart. I had a little trouble figuring out where to put the code to add an alert message, and tried it in different places that I thought it could be (outside in its own function, connected to the statements for toggling selection). I ran through the logic and realized that it should be in an if statement connected to when the user tries to add the product to their cart, and to not push their selections into the array at all if they don’t make the full selections.

I also ran into trouble trying to get arrays with all of the product details and selections into local storage. I ended up learning that you couldn’t directly add arrays into local storage and that you had to parse them using JSON.

Programming Concepts:

1. When applying my new knowledge of local storage to this homework assignment, I learned that there are limitations to what can be pushed to it. I learned that you can’t just push an array into the local storage, so I learned to parse it with JSON first.
2. I learned how to have the code continuously listen for events (such as clicks) by using querySelector and a for loop. For example, I applied this concept to the “add to cart” button and functionality, so that the user can keep pressing the “add to cart” button and the code would continuously update with that input.
3. I learned about the toggle concept of applying classes to elements and removing classes based on events in Javascript and applied it to my selection options in the product detail page. Using this concept, I was able to allow users to select/deselect options and reflect that input in my Javascript code as well.
4. I learned how to create elements in my HTML on the fly with Javascript and how to populate those elements, set their attributes, and then append them to a parent element. I applied this to my cart page, updating it with details that the user inputted in the product detail page.
5. When implementing the remove from cart functionality, I ran into the problem of needing to refresh the page to reflect that removal because of the method that I used to populate the cart. For this assignment, I learned that you can make the window reload in

Javascript, and I used this to solve my problem. However, I realize that this isn't the most elegant solution, and looking back I would probably change the implementation method of the cart so that I wouldn't run into this problem.