Reflection

Assignment 6b | PUI | November 7, 2021

This assignment was challenging for me because it's the first time I have ever built a website using JavaScript. While I took an introductory programming course this summer, we primarily focused on Python and only spent about two weeks on JavaScript. I was able to apply some of my knowledge from Python to this assignment, but overall it was a struggle for me to complete.

In the first part of the assignment, I needed to figure out how to indicate the changes the user made when they selected specifications for their product (like size and color). I did this by changing the image that displays when they select a new color, as well as adding the size of the product to the product title. For example, the title would change to 'Cat Backpack - Small' and the image would change to a blue cat backpack.

In the second part of the assignment, I wasn't sure how to indicate that a user added something to their cart, beyond the alert that popped up. I learned how to use local storage when a user added something to their shopping cart. By using chrome developer tools, I was able to see that my code worked when I added an item to my cart, because it showed up in my local storage.

5 Programming Concepts and Examples:

1. **alert()** - Used the alert function to create a pop-up that told the users they successfully added something to their cart.

2. **.getElementByID** - This allowed me to retrieve a dropdown menu from which the user would select a size or color.

3. **.value** - This allowed me to retrieve the selection from the dropdown menu mentioned above.

4. **.localStorage** - This allowed me to make the shopping cart work across pages and sessions.

5. **Creating a JSON object** - I created an object that included the size, the color, and the quantity of the item the user wants to purchase, and this object becomes the item they add to the cart.