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Homework 6B PUI Write-up

The bugs I encountered and how I overcame them

One of the bugs that I encountered was that when I went to save my cart item to the cart that it was not appearing visually and rendering with the proper HTML. I ended up discovering that you can use tick marks ('') to cast the information in a way that it can be rendered on the DOM. I also struggled with the logic around my for loop in my cartItemPageLoad function. I met with Humphrey and he helped me to rework the logic of that statement to function.

Programming concepts I learned as a part of this assignment

The first example I learned about was JSON.stringify and JSON.parse. Coming into this I knew that local storage needed string types. However, I did not understand that to make the item workable from local storage I would have to parse it back into a useable type. Throughout the functions to support adding cart items this came up.

I also learned the value in being able to store information in empty arrays that you can loop through. That was particularly useful for capturing the details of cart items when I used added them.

For loops were another concept I learned. In my cartItemPageLoad function I leveraged a for loop to loop through the various array items.

Additionally, I learned about the insertAdjacentHTML option, which I used in my cartItemPageLoad function to insert additional HTML to reflect my cart items onto the cart page.

Finally, I knew about dictionaries in Python, but this assignment allowed me to practice creating key value pairs stored in variables (i.e. let name = {"Key": "0", "Key2": "0"}, which I used in my capturingUserSelections function to help capture a user's selection details.