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HW6 Reflection

Challenges/Bugs

- My cart quantity was being updated in some parts of my site, but not others. I realized that I forgot to include the javascript file in the head tags of the pages that did not update. In the future, I will make sure to include the js file in the head every time.
- My cart's remove button did not remove items as I expected. I found out that I was modifying the array storing all my cart items, but I forgot to put this modified array back into the localStorage. In the future, when I take something out of localStorage to modify it, I will immediately write the line that puts the item back into storage.
- When I was adding to my cart's count, it went from 1 -> 11 -> 111. I realized that the quantity was being stored as a string, and used parseInt() to convert it back to an int so I could add to the number.

Programming Concepts

- The concept of localStorage, which was introduced in our lab section, was very helpful in keeping the cart information between pages of my website. Otherwise, I would have tried using something like cookies, which would not have turned out as well.
- I learned that localStorage only accepts strings. Thus, I learned about JSON's parse and stringify functions so that I could keep an array of storeItem objects in my localStorage.
- I learned that innerHTML could accept both strings and tags, which was helpful in formatting my cart items. I could add static tags to my items, such as making the quantity bold.
- The splice() function to remove an item from an array was new to me. This was useful in removing items from the cart. I removed the selected item from my itemArray, and this change was reflected on the page.
- I wanted to make sure that my local storage's cart items and the total number of items in my cart was never null. To do this, I do a null check every time a page is loaded. I learned about the window.onload function, which was helpful in initializing data structures and making sure the cart displayed the correct quantity of items on every page.