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PUI HW-6 Reflection

Be it that this was my most significant project in JavaScript so far, there are no shortage of bugs and challenges to address in this reflection. In the interest of brevity, I'll instead focus on the implementations that I found the most challenging, or that resulted in the greatest learning experiences.

- Since local and session storage were the most recently covered topic in lab, I found this part of the homework quite difficult. Writing the item values from the product detail page into local storage, pulling them from storage, and working these values into properly formatted HTML on the cart page, was far and away one of the biggest conceptual challenges of the project. In the end, I realized that I could create an html template that could be added to the cart page and populated with real values from the local storage. This helped me solve the problem.
- Implementing the increment/decrement buttons for each item in the cart so that manipulating the quantity value changed the value of the objects in storage was another huge challenge for me. I solved this problem by assigning an index number to each item as it's added to the cart, so that I could use that number to keep track of which object in local storage to manipulate. While my solution isn't perfect, it got me pretty close to my desired functionality, and given the challenges that I experienced along the way, I'm quite proud of my implementation.
- Implementing some JS functions that would check whether the user had input values for size, color and quantity before allowing them to add to cart was also somewhat challenging, but I feel that my implementation adds a lot to the user experience. Having the button change colors and become active only after valid inputs have been selected prevents user errors and helps the user understand what they have to do.

All in all, this was an immensely challenging and quite time consuming homework, but I felt that I learned quite a lot from the experience. Actually sitting down to solve problems and implement all sorts of features with little guidance drove me to push myself and learn from my mistakes.

Works Cited: All Product Images courtesy of Chewy.com