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Assignment 6b reflection

This was one of the most challenging assignments yet for this course. As I started this assignment, I was quite confident in my Javascript abilities. Now, though, I realize that there are still some areas in which I could improve. The biggest challenge for me, though, was dealing with CSS, and not Javascript. As you will see in my code, as well as last week's assignment, I created a rather unusual CSS grid to display my cart page. Only when completing this assignment did I realize how hindering that implementation was. Essentially, I forced myself to hard-code divs into particular rows and columns in the grid. This, in turn, forced me to jump through hoops to place new items correctly in the cart, as well as remove items. In the end, I wrote some janky code that involves injecting style into my HTML file using Javascript, and it works (for the most part). Achieving this took hours of googling and thinking hard about a solution. In retrospect, I wish that I had followed a different approach, abandoning the CSS grid I had previously designed altogether. Even so, I view this as a learning experience.

Programming Concepts:

1. Storage: Before this assignment, I had dabbled in using local storage for another small Javascript project, but I was not comfortable setting and getting items in storage until this assignment, thanks to doing so with cart items.

2. Grid Layout: In the last assignment, I implemented what I thought was a good example of a CSS grid in my design. As I completed this assignment, though, I learned what CSS Grid should actually be like (the implementation on my cart page is NOT it).

3. Objects in Javascript: I have had a great deal of experience working with OOP languages before, but I had not used much JSON. Thanks to cart items and orders in this assignment, I gained a better understanding of this.

4. Dynamically changing a web page: At the outset of this assignment, this was the most daunting task -- i.e., allowing my cart page to change in size as more elements were added to it. It was unlike anything I had done before. Luckily, I found that injecting html was not as difficult as I had anticipated.

5. Removing html elements through Javascript: This was a question that I missed on the exam, which is proof that I didn't understand this concept before. However, removing cart items provided me with a great deal of experience completing this task.