

Issues or bugs I encountered

1. One of the issues I had was storing the product details on the cart page. I started hard coding the product detail information in the cart array, and then pushing it when the “Add to Cart” button is clicked. There wasn’t a bug in the console, but I had to figure out how to store this information into local storage with a more sophisticated method. With the help from a friend, I was able to learn out how to properly use an empty array and declare objects to push the product detail information.
2. Another issue I had was removing cart items. After declaring a new function called addToCartClicked, which is supposed to remove a row of cart item if remove button is clicked, nothing actually happened in my web browser. There was no bug indication at the console so I was very confused. After going through my cart.html code and the javascript code, I decided to try adding the updateCart() function and it worked. I think the issue was that I had too many functions that are codependent on each other. I forgot that I also added the remove element inside the updateCart() function. This issue might be mitigated in the future by trying to avoid adding every element inside a single, long, function.
3. There is one unsolved bug with opening the modal. When I am on the cart page, a bug shows up claiming that it cannot read property ‘addEventListener.’ The problem is at detail.js file, and the property is supposed to show an active modal for product detail page. Strangely, the code worked despite the bug which is why I tabled this issue until the end. I realized that there was an extra “)” at the beginning of line with the bug so I edited the code. However, doing this created more bugs and the code did not work in my browser. I also tried putting the block inside a for loop, since there are many cards that can be selected, but that also created more bugs. The problem is still unsolved, but I decided to leave it as it is since the code still works. If I have more time, I think I will come back to this issue and try to solve it before the problem gets deeper.

Programming concepts I learned

1. Bringing html elements and classes to Javascript code.
 - a. This was done by using document.createElement, setAttribute, and appendChild methods. These were extremely useful when I wanted to show the selected items in cart. I thought that the setAttribute method was particularly interesting as I can style the data like it has been coded in html and css.

2. addEventListener on click
 - a. This method was useful at every events that used a button: opening the product detail modal, adding items to cart, and removing items in cart.
3. Arrays, if statements, for loops
 - a. Arrays and declaring objects were extremely useful when adding and storing product details into cart. It was amazing that I can use these methods instead of learning jQuery.
 - b. If and else conditional statements were a must all throughout this assignment. Another concept I had to constantly learn was the logical operators, which was tricky to remember.
 - c. For loops were also crucial in this assignment as it can loop through all the data inside the array and even behaviors that are connected to different buttons.
4. JSON.parse
 - a. JSON.parse element came very handy when trying to store and pull product detail information in the cart.
5. InnerHTML
 - a. innerHTML was useful when trying to show the changes of html elements. It was particularly useful in displaying the numbers next to the cart icon and showing the changes of total price.