

Homework 6: Reflection

- The biggest challenge that I faced was figuring out how to remove items from the cart. I first tried to use the `removeChild()` method but this kept giving me “null” errors. I then found out from [w3schools.com](https://www.w3schools.com/js/js_array_splice.asp) that this can be done using the “splice” method. So, in my `cartUpdate.js` file, I had created a for loop that would parse through the length of the array in which objects containing the properties of the rolls were stored. I stored the index into another variable “j” and in the onclick function of the remove button, called another function for removal, `removeIndex`, using this index. In this function, got the cart item from `localStorage` and then called the splice function on it, passing the index and 1 (element to be remove from the array) as parameters. This let me successfully remove an object from the array.
- Another bug in the function above was updating the cart with the remaining elements when one element was removed. Whenever I removed one item, all the items disappeared. I then realized that I was not converting the object back into string so that it can be used by other methods. I solved this by using the `JSON.stringify()` method.
- Another issue that I faced was getting all the elements for each type of roll into the same line on the cart page. When they were only in HTML, they seemed to be in the same line but when I used JavaScript, the orientation broke. So, I used the “flex” attribute in CSS in the `cart_styles` file to get all the elements in one line.
- Whenever I used 2 JavaScript files for the same HTML file, one of the files would not work. So, I created separate JavaScript files for each page’s functionality.

Changes from the in-class critique for bonus points:

- The earlier version of my product details page turned the customization buttons dark red when you clicked on them. Students in class told me that these buttons need to be differentiated from the “Add to Cart” button. So, I changed the color for customization of buttons to darkgrey.
- The earlier version also had a “Go Back” button next to the “Add to Cart” button. Students told me that the back button should not be this salient and should be away from the add to cart button because we should create designs that encourage buying more rolls. So, I placed the “Back to Menu” option over the image rather than next to the main “Add to Cart” button.

Changes to previous cart page:

1. The “x” button has been changed to a remove button because this is clearer to the user.

Mockup files:

Low fi mockup uploaded as `low-fi.jpg`

hi-fi mockup uploaded as `new_mockup.png`

References:

- [w3schools.com](https://www.w3schools.com)
- [codecademy.com](https://www.codecademy.com)
- <https://css-tricks.com/snippets/css/a-guide-to-flexbox/>
- JFL demo on local storage: <https://jsfiddle.net/chentc/dfaygoze/>
- PUI section C lab worksheets