

Assignment 6B Reflection

One of my biggest challenges for this assignment was understanding how local storage works and how it should be implemented into the shopping cart. I also thought it was very challenging to write code that allows the cart to update based on what the user has added to the cart. I originally had html/css code in my cart.html page that customized what would show up in my cart if something was added, but then I learned that it was easier to use `divString` in my javascript file to design the items in my cart. One bug I kept running into while doing this was that after someone clicks “add to cart,” it would automatically refresh the page back to the default (which was 1 roll, no glaze, original cinnamon rolls). It ended up getting fixed after I added a lot of `console.log` to my code in order to figure out where I was going wrong and realized that I just had a lot of typos.

5 programming concepts I learned:

- 1) I learned how to add things like dictionaries into an array. For example, I created a dictionary that stored all my orders, and learned to use `.push` in order to add my selected orders into an array that will then serve as my local storage.
- 2) I learned how to use `JSON.parse(localStorage....)` in my code and what that does. It turns my text formats into Javascript objects which can then be used in my program. I also learned to use `localStorage.setItem`, `getItem`, and `removeItem` all within this assignment, when before I only learned of the concepts during recitation but didn't know how it can be applied.
- 3) I learned the syntax of for loops and how it differs a little from python. I learned how to set the three constraints such as what `'i'` should be, when the loop should terminate, and how the `i` in the for loop is incremented, I used it in to help me build the structure of the cart page.
- 4) I learned that using `console.log` is actually very helpful as a programmer when I have issues in my code that I can't figure out. It helps a lot with the debugging process. For example, I had `<hr>` tags that were not working how I wanted it to so I made a lot of print statements in the inspect tool, which was helpful because I got to see the margins and paddings that are there in each submission.
- 5) I learned how to incorporate `.innerHTML` to manipulate and use the text between opening/closing tags. For example, if the original price of one roll is \$3.50 and I wanted to use that for calculating how much 6, 9 or 12 rolls would cost, I could use `.innerHTML` to manipulate the “\$3.50” text to calculate costs.

