

Interactive shopping cart (JavaScript)

Website Links:

Github Repository - https://github.com/nddesh/homework_6b

Live Website - <https://bunbunbake.netlify.app/>

Reflection

This assignment was quite difficult to implement because of the many factors we had to keep in mind when creating and deleting elements from the shopping cart. The main bugs I ran into were using localStorage throughout multiple pages and accessing them in each file. Many times the objects were not accessible or had issues with recording the correct values for an item. The way I fixed this was by declaring localStorage items within functions instead of outside as a global declaration, to make sure that variable was constantly checked and edited.

Programming Concepts:

Some concepts that I learned throughout this assignment were:

1. **How to set up and create multiple event listeners in JavaScript**

While I initially knew how to create event listeners and implement them, I had not used them on this scale, with each page having multiple event listeners. It was complicated to keep track of them because I had to declare them by calling separate IDs or by writing inline JavaScript, which is not recommended. Overall, I think my base concepts are much stronger because of this assignment.

2. **How to use styling to create a tab-like interface**

My website is based on a single menu page with a tab-like display, which changes the content displayed based on which tab is clicked on. This required a lot of event listeners, IDs, and playing with styling. Specifically, I created multiple div elements and laid them on top of each other. I only set the display for one element to be visible at once, and manipulated when that element's display was visible or none.

3. **How to use localStorage**

I had not implemented localStorage in any assignments before, so this was something I learned completely from scratch. I used localStorage to send variables like the glaze, quantity, and number of items in the cart across pages, without losing their values. This was difficult at first since accessing and setting these variables was not straightforward.

But once that was through, I used these elements quite often. Most of my cart is based on using localStorage.

4. How to send JSON through localStorage and access it in different places

I did not use JSON files and structures before this assignment so setting and accessing arrays through JSON was new and difficult to understand at first. Once I got the hang of it, I used this JSON structure through localStorage to generate my shopping cart content.

5. How to use multiple JS files and pass around variables/functions

Most of my previous assignments have dealt with only using one main.js file for an entire website, but this time I used multiple files on the recommendation of the TAs. While this was difficult to keep track of, it separated my work into different sections, especially when one file did not need to use parts of JS code. This also was similar to the React structuring of files, so it was a good segway into learning and implementing React.