

ACCOMPLISHMENTS:

- I modified and improved the shopping cart prototype and page, where users can see what they have added to the cart.
- I incorporated JavaScript to make the detail page functional such as choosing a specific flavor/type that will update the product image. Additionally, this changes the text of the page so that the type text can change from "Roselle" to "Green Tea."
- Third, I added JavaScript functionality to the "Add to Cart" button such that the user can visually see a change in the quantity notification in the top right of the screen (next to the shopping cart icon).
- Lastly, one of my favorite new features is that users can adjust the quantity of the item within the detail page and once they add to cart, the correct number of items is added (multiple at once). I used a JavaScript loop to add x amount of items to the array.

BUGS/CHALLENGES + FIXES:

- I incorrectly used a keyword "switch" for the name of a JavaScript function which invalidated all the code. I did a lot of research to understand why my functions were not working. I used normal debugging techniques such as investigating code in chunks, using print statements, and commenting parts of the code at a time, but I still couldn't solve the issue. Thankfully, I succinctly described and demonstrated the problem to TA Vikram, and he helped me notice this during lab. In the future, I will be more intentional and careful with naming functions and remember that special keywords interfere with the code/intended purposes.
- I was editing the wrong file and couldn't see changes on my local website. I kept trying to understand why my product counter was not visible on the detail page, but I quickly realized I was editing the wrong HTML file. I realized this by slowly analyzing what was working and not. I added a test `<p></p>` and realized that this simple element did not appear. I then knew that I was looking at the wrong file. In the future, I will organize my files and quickly check that the current file corresponds to the website screen.
- There was a bug when I switched product images because I was not checking which image the user clicked. I found this bug when I played around with my website a lot and tried to break the code. I fixed this issue by sending in a parameter to my function so it can identify which image the user originally clicked and properly display the new image. In the future, I will use parameters as necessary and continue to try to break my code!