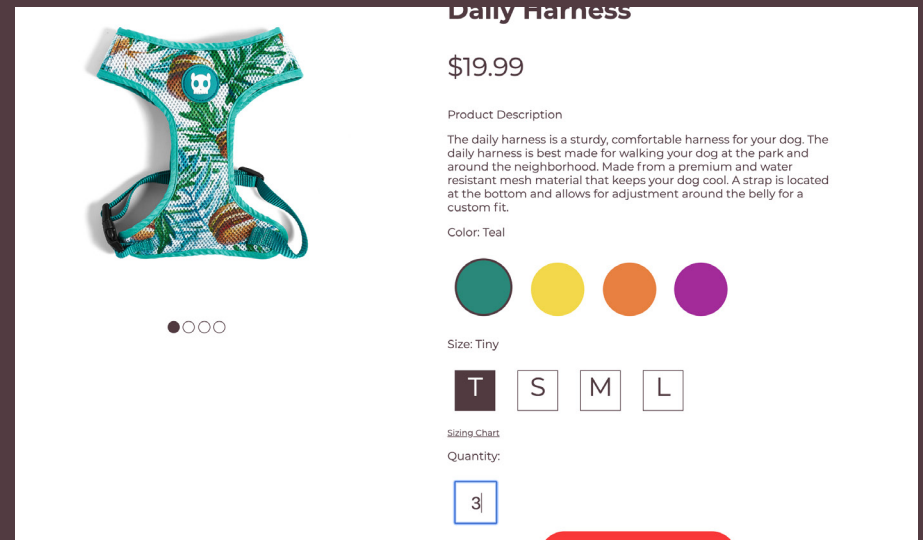
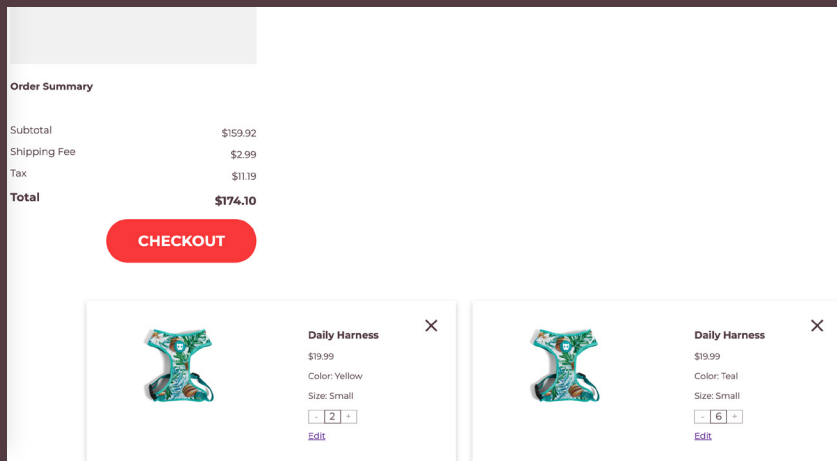


Overall this assignment was a challenge. Implementing javascript functionality, learning it's syntax, as well as understanding programming logic and reasoning was a step away from my normal coursework as a business student. Even though, I don't want to pursue programming in the future, this assignment helped me better understand how front end engineers work as well as how to better communicate with these engineers. As a future designer, this assignment has shown me the frustration and time that it takes for an engineer to create singular page. Experiencing that same frustration has helped me become more understanding when websites aren't complete on time. Over the summer, I created mockups and passed the work to engineers. My attitude was more along the lines of "create this mockup exactly how it is." However, I have come to realize that oftentimes, designer's mockups are either infeasible technically or logistically (unable to be coded or unable to be completed within the given time frame).



Success with Javascript! When adding it to the cart, the color, size and quantity are saved in local storage and are added as a card in the shopping cart.



Frustration with formatting

It also helped me understand the feasibility of my designs. Often times, I would find myself looking back at my initial mockups and making changes

At first the problems seemed extremely difficult and at times even overwhelming. However, this project helped me understand the importance of tackling the problem in small, manageable chunks.

One final skill that this assignment has taught me was prioritization. I found that I asked myself this question when starting the assignment: "which task should I try to solve first?" When in a time crunch, I would code the most important and time consuming parts of the assignment while leaving formatting for the very end.

Throughout this assignment, I learned a few different Javascript concepts that were challenging and required a lot of online research.

## Concept 1: GetElementById

- One programming concept that I learned was getting an element by its ID. This was probably one of the most helpful javascript methods I used. It allowed me to easily interact with the HTML elements and just them in my code. I used the GetElementById for color, size and quantity selection, and cart item removal just to name a couple of examples.

## Concept 2: Onclick

- Another concept I learned revolved around events. I mostly just used the onclick attribute to indicate user selection. Each onclick initiated some function to run. For example, clicking on the “x” button of the product on the shopping cart page removed the product as well as changed the order summary details (price, tax, and total all changed based on the onclick). Surprisingly, this is the only event handler I used for this project. In the future, I would like to use more event handlers like onmouseover.

## Concept 3: Class Lists

- When figuring out the most efficient way to indicate user selection on the product detail page, I learned about appending and removing class lists. If the user clicked on a color, a class with a colored border would appear. Rather than have a unselected and selected version for each color, it was much easier to simply create one class that could be used again and again.

## Concept 4: If, else Statements

- Integrating if and else statements into my code allowed me to organize my logic and provide specific instances when I wanted certain pieces of code to run. In particular, this helped me a lot with color and size selection. For example, if there is no color selected, then add the classlist border to the color that the user clicked. If there is a color already selected, then remove that classlist and add it to the new color the user clicked.

## Concept 5: Local Storage

- Local storage use was the trickiest concept I used in this assignment. Especially because, I didn’t know of a way to change information stored in local storage. Therefore, everytime a user removed or added an item, I needed to remove that item from local storage and then set them again into local storage. Not only was local storage useful for storing information between website pages, it was also helpful when keeping track of cart items even when navigating away from the website.