Git Hub Link
https://chanm987.github.io/PUI/Homework_6B/productpage.html

What was done
- Correctly adding the totals to my drop down cart
- Going from the drop down cart to the view cart page
- Making sure that the page loaded dynamically based on the results the user entered
- Making sure that totals were added up correctly
- Sales tax was calculated corrected based on subtotal
- Shipping price was determined based on if the order was more or less than $75.00
- Being able to remove an item and have totals dynamically change

Reflection

6B definitely had a learning curve that required a lot of trial and error. From this round I realized the importance of labeling your code especially when it comes to moving from coding HTML to Javascript. I encountered this logic error a couple times where because my class names were so similar to my ID names, I mixed them up multiple times which made my code not run correctly. In order to mitigate this problem I made sure to keep naming consistent, ensuring that all classes were started with the same format while id's used another format. Another problem I encountered was learning about the placement of where Javascript code needs to be order. This is important as the order of the code changes the way the information loads. For me, the easiest way to combat this was adding console.log() statements throughout my code. This really saved me from understanding where my code broke to help debug this problem. Console.log() was my best friend when it came to de-bugging. When appending my code for my individual items to the large image container, I kept running into the problem of mixing up which parent and child to append to. I learned that the easiest way to make sure that this order is done right is by looking at your HTML code and directly mimicking the way it is nested. I found that by working from inside out, I could clearly see what elements came after the next which really saved me a lot of time. Finally, my most frustrating syntax error was my use of .slice() instead of .splice(). I didn't realize why my code wasn't running correctly until I asked someone for help and they mentioned my typo! In order to combat this in the future, I will make sure to check my spelling checking for other help!

5 Concepts Learned

JSON

I learned that JSON is method of storing data in an organized and easy way. For this assignment I learned how to use JSON to parse items into different value types, store and receive items. When I was adding items to my local storage, I was required to use JSON.stringify to convert my Selected object into a JSON string. You need to do this because local storage can only save things as strings and some of my items in my objects were integers.

Local Storage

I used local storage in order to save the data a user selected from product page and access it in my shopping cart so it can load dynamically. Local storage was able to keep all the categories such as price, product name, image etc. into an array which made accessing the elements very easy. In order to get the items in local storage, I used localStorage.getitem which allows you to access each item and by calling on the specific index of the array, I could load my page dynamically in order to match the user's selection from the product page to the shopping cart page.

Data Types

I learned how to create data types in Javascript in order to allow my page to load dynamically. To do so, I used document.createElement('*data type*') and matched the data type to my HTML so it would load correctly. For example, to create a new div I used document.createElement('div'), then would use .setAttribute and matched it with the class name from my HTML code to ensure that the CSS would still work correctly. I learned that it is possible to create multiple types of data types using JS such as headers, img, divs, p tags which made writing the code in JS not too difficult.

Objects

Using an object was so helpful in completing this assignment. In order to save each selection a user made, I used the object Selected (my object name) on my cart page and updated the values on click when the customer performed this action. In 6B I called on the object Selected in 6A and called upon it to fill each of my innerHTML with the correct value so the saved selection in the object could be correctly displayed. During Codecademy, objects were on the the most tricky areas to learn but upon actual use in this assignment I realized just how convenient they are to use when you need to store selections.

Commenting

I used commenting as a way to help lay down the steps of my code. As someone who is quite new to JS I thought that this was the best method to make sure I could break it down in a way that made it easily understandable. I began with commenting all the steps I would need to do to accomplish the functions and then filled it up with my code. An example of this was thinking Commenting in JS is really helpful especially when you have a lot of lines of code. It definitely helps both me and whoever is reading my code to understand what it means.