**Project Description/Summary**

This project involves wiring up two different sections. The first section is the filter buttons, whose purposes are to filter the store items by class. The first section is the search filter, whose purpose is to filter the store items by a search.

**New Things Learned or Refreshed**

This project involved the use of using the [HTML5 dataset property](https://developer.mozilla.org/en-US/docs/Web/API/HTMLElement/dataset) to select items from the project's store. This was only the second time I used it and I have a better understanding of how I can use JavaScript to retrieve data from HTML elements. “The **dataset** property on the [HTMLElement](https://developer.mozilla.org/en-US/docs/Web/API/HTMLElement) interface provides read/write access to all the [custom data attributes](https://developer.mozilla.org/en/HTML/Global_attributes#attr-data-*) (data-\*) set on the element.” In other words, as I understand it, to use JavaScript to retrieve HTML elements with a attribute of data-user = "hello", you have to use HTMLElement.dataset.user to return the string “hello”. I also learned the event.PreventDefault() method works to prevent the default behavior of in-page links. The default behavior sends the user to the top of the page after a link lower in the page is clicked. Previously, I only used the event.PreventDefault() to prevent the default behavior of form submissions.

**Time to Code**

This took about 30 minutes to code. As you'll see in my GitHub repository, I coded the first section using a bunch of if-else statements. It worked, but I knew there had to be a better way. So, I watched John's solution and sure enough he simply added an event listener to each store item. Duh.

**Lines of Code**

This took about 40 lines of code.

**Biggest Take Away(s)**

Retrieving elements from the DOM using the dataset property is no more complicated than using the querySelector() method.  The difference is only a matter of how they are accessed. In this case, the properties were accessed by targeting the elements who had a given data property.