

## Reflections

Link to the website: [https://pvegired.github.io/homework\\_6b/](https://pvegired.github.io/homework_6b/)

Link to the source code: [https://github.com/pvegired/pvegired.github.io/tree/main/homework\\_6b](https://github.com/pvegired/pvegired.github.io/tree/main/homework_6b)

## Remove Button:

I implemented the javascript functionality to remove a cart item. Overall I tried to target the parent row of the cart item using `getElementsByClassName` and subsequently reaching its parent element. Adding an event listener to the remove button I was able to write a function to remove the cart item row and also subsequently update the totals appropriately.

## Bugs/Challenges faced:

### 1. Using Async:

One challenge that I faced is when I was trying to capture all the prices and inputs in an array, I `console.logged` and saw the divs that I'm targeting but `html collection elements` showed null. Digging into this further I found that as I'm keeping my javascript files in `head` and `html elements` in `body` which runs later, my javascript is running even when the `html` is not present. So I added "async" along with the `<script>` tag

```
<script src="cart.js" async></script>
</head>
```

### 2. "Event" is deprecated

```
var input = quantityInputs[1]
console.log(input)
input.addEventListener('click', function() {
  // ...
})

function quantityUpdate(event) {
  console.log(event)
  var input = event.target
  if (isNaN(input.value) || input.value <= 0) {
    input.value = 1
  }
  updateTotal()
}
```

'event' is deprecated. ts(6385)  
lib.dom.d.ts(18286, 5): The declaration was marked as deprecated here.  
var event: Event  
@deprecated  
No quick fixes available

After lot of time of debugging using `console.log` realized that the

## Programming Concepts:

```
console.log(price, quantity)
var priceNumber = parseFloat(price.innerText.replace('$', ''))
var quantityNumber = quantity.value
total = total + (priceNumber * quantityNumber)
```

1. Using 'innerText' to just extract the price
2. Using `parseFloat` to convert a string into a floating point number to count the total in a cart

- Using `event.target` to write contextual functions when an event like changing the quantity or removing from the cart happens

```
function removeCartItem(event) {  
    var buttonClicked = event.target  
    buttonClicked.parentElement.parentElement.remove()  
    updateTotal()  
}
```



- Using `Math.round` to round the total to two decimal places

```
document.getElementById('cart-subtotal').innerText = '$' + total  
document.getElementById('cart-shipping').innerText = '$' + shippingRate  
document.getElementById('cart-tax').innerText = '$' + Math.round((total * taxRate) * 100)/100  
document.getElementById('cart-total').innerText = '$' + (total + shippingRate + (total * taxRate))
```

- Using Local storage concepts to carryover color options, price, Name and foam value across web pages

### **Bonus Work:**

- Added javascript functionality to count the total after adding the tax and shipping

	Longhui Yarn Color: After School Special; Foam: Memory Foam	\$99	<input type="text" value="3"/>	<button>Delete</button>	\$99
	Limbhano Yarn Color: Morning Haze; Foam: Duckdown	\$99	<input type="text" value="1"/>	<button>Delete</button>	\$99

Subtotal	\$396
Tax (5%)	\$19.8
Shipping	\$15
<b>Grand Total</b>	<b>\$430.8</b>

Continue to Checkout