1. From this assignment, I learned how to update elements in HTML using "getElementById". I applied in my project to update the item number in cart. For example:

function updateCartAmount() {
  document.getElementById("cart").innerHTML = order.length;
}

Also, to changes cart text and when cart is empty. For example:

function checkout() {
 if (order.length == 0) {
   document.getElementById('checkoutNow').innerHTML = "Your cart is empty.";
}

2. I also learned how to add new elements on the page. In lab, we learned using "document.createElement("div")" to add new elements in html, and I applied it into my project by using it to add new item in the cart. For example:

var orderHtml = document.createElement("div");
      orderHtml.innerHTML = '<div class="inBasket"><h3>' + order[i].amount + '</h3>
                      <p span class="orderPrice">' + order[i].price + '</p></div>

3. The third concept I learn is to give a new added element a class name, so I can modify its CSS style. I applied it to modify the new item div's height in the cart. For example:

var orderHtml = document.createElement("div");
    orderHtml.className = 'orderspace';

4. The fourth concept learned is using switch statements. I found it on w3schools.com, and applied it to change the price for different quantity users chosen. For example:

function dropdownChange() {
 switch (document.getElementById('dropdown').value) {
   case 'Single':
    currentPrice = "$3";
    document.getElementById('price').innerHTML = "$3";
    hideFlavors();
    break;
   case '3-pack':
    currentPrice = "$9";
    document.getElementById('price').innerHTML = "$9";
    hideFlavors();
    break;
   case '6-pack':
    currentPrice = "$18";
    document.getElementById('price').innerHTML = "$18";
    showFlavors();

```
    break;
  case '12-pack':
    currentPrice = "$36";
    document.getElementById('price').innerHTML = "$36";
    showFlavors();
    break;
  default:
    currentPrice = "$0.00";
    document.getElementById('price').innerHTML = "$0.00";
    break;
 }
}
```

5. The last concept I learned is local storage. I learned how to use local storage.In the lab, I know using the syntax "localStorage.setItem()", "JSON. parse" we can store and collect data. I used them to create new items on my cart page. For example:

```
function addCart() {
  if (document.getElementById('dropdown').value !== "") {
    var currentOrder = new Object();
    var pageFlavor = document.getElementById('pageFlavor').dataset.flavor;
    currentOrder.flavors = [pageFlavor]
    currentOrder.price = currentPrice;
    currentOrder.amount = document.getElementById('dropdown').value;
    for (var i = 0; i < flavor.length; i++) {
      if (flavor[i].checked) {
        currentOrder.flavors.push(flavor[i].value);
      }
    }
    order.push(currentOrder);
    updateCartAmount();
    localStorage.setItem('myOrder', JSON.stringify(order));
  }
}
```