Junwoo Cheong

Reflection

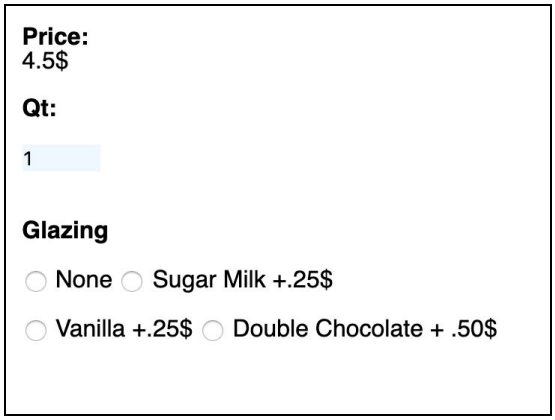
Through the process of implementing elements on html, controlling visuals on css, and creating intractability on javascript, I, a novice web programmer, encountered so many challenges and bugs that I do not know where to even start. I have a little experience in Python and html/css from not long ago; however, I was completely new to Javascript. Understanding the basic concepts and fundamentals such as array, object, variables, attributes, selectors, function, and for loops/ if else statements was my first priority. I struggled quite a lot up until the end of assignment 6A. As my codes for 6A clearly shows, my codes jumps everywhere and does not really make sense, and is error-prone. Thereafter, for 6B, I looked for a good source on the internet to learn the basics. In the later section of Javascript file for 6B, it is clear that I was practicing some javascript materials (they are not actual codes for my Bun Bun website, but they will come in handy for later process of development). After some time of finally understanding how javascript basically functions, I started to see little more than before. Generating concepts of how data need to be established and stored in localStorage and later retrieved in the next page became easier for me, yet I still struggled on technical sides.

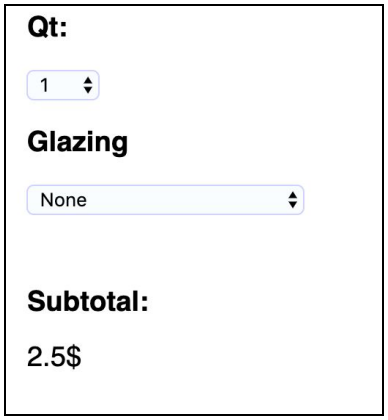
Rather than trying to forcefully achieve a grand code that works flawlessly, I prioritized reaching the minimum viable product. My goals were as followed:

- Real-time update on prices as quantity and type of glazing changes
- Number icon on Cart when Add to cart button is pressed, along with an alert.
- Item properties to carry over from product detail page to shopping cart page.
- Removing items and appropriate update on total price

I realize the codes I created so far is not perfect and may not work for different cases. However, my code met the initial goals that I set up and I am really happy with the result. As Jason explained, I tried doing little by little and I know in the later developments my codes will have improved.

One particular challenge that I remember has to do with the glazing on the product (blackberry cinnamon bun) page.





(left: before update / right: after update)

I had a radio button options for glazing initially, but this collided with the style to be in the shopping cart page. Also I had trouble making radio work smoothly to update subtotal. Because I figured out how to code based on select, I decided to unify the style.

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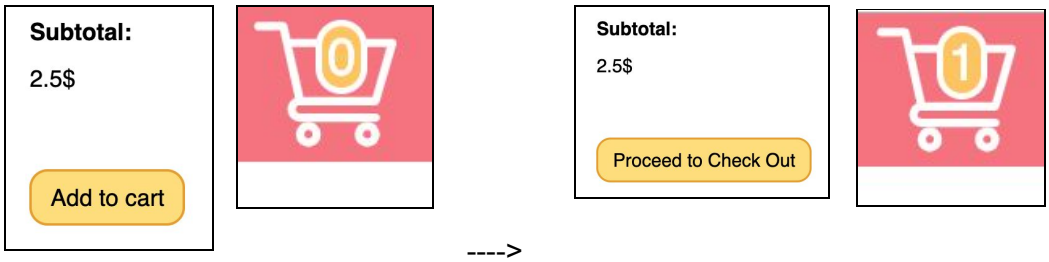
PUI Fall 19 - Assignment 6B
Reflection

5 Programming Concepts
(that I learned from doing this project)

1. .innerHTML



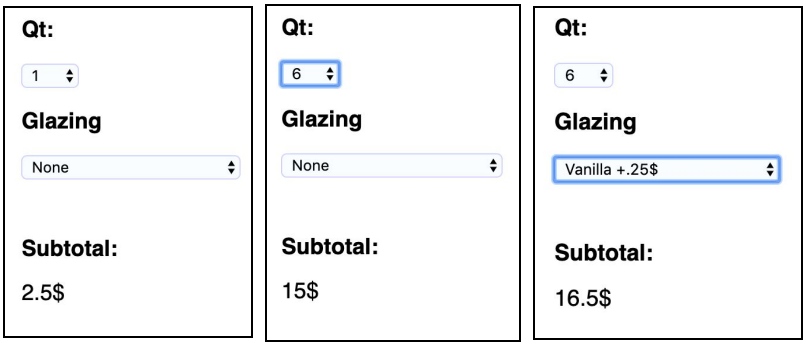
---->

Onclick event, updating text $ number

```
var x = document.getElementById("cartcount");
document.getElementById("cartcount").innerHTML = x+1;

document.getElementById("addtocart").innerHTML = "Proceed to Check Out";
document.getElementById("addtocart").name.innerHTML = "Proceed to Check Out";
```

2. .value & Calculation



1. Default: qt:1/glazing:none/price:2.5$
2. Quantity Update: qt:6/glazing:none/price:15$
3. Glazing Update: qt:6/glazing:Vanilla/price:16.5$

```
function ItemPrice(){
    var x = document.getElementById("cart-item-quantity").value;
    var y = document.getElementById("glazing-type").value;
    var z = (document.getElementById("total-price").innerHTML = `${(x*2.5) + (y*x)}$`);
    document.getElementById("subtotal").innerHTML = `${z}`;
}
```

3. localStorage.setItem w. selectedIndex for select property

```
var val = document.getElementById("number").innerHTML;
var qtindex = document.getElementById("qt").selectedIndex;
var quantity = document.getElementById("qt").options[qtindex].innerHTML;
var glindex = document.getElementById("glazing").selectedIndex;
var glazingtype = document.getElementById("glazing").options[glindex].innerHTML;

selectedValues = {price: val, qty: qtindex, glz: glindex};

localStorage.setItem("selectedProduct", JSON.stringify(selectedValues));
```

4. localStorage.getItem & (dope JSON!!!!!) if Jason has twins in future, he should name his twins “Stringify” and “Parse”. Not my joke, my friend’s. :)

```
var x = JSON.parse(localStorage.getItem("selectedProduct"));
document.getElementById("cart-item-quantity").selectedIndex = x["qty"];
document.getElementById("glazing-type").selectedIndex = x["glz"];
```

5. remove()

   Removing a whole row was satisfying.

```
var deletebutton = document.getElementsByClassName("delete-btn");
for (var i=0; i<deletebutton.length; i++) {
    var button = deletebutton[i];
    button.addEventListener('click', function(event){
        var buttonClicked = event.target;
        buttonClicked.parentElement.parentElement.parentElement.remove();
        document.getElementById("cartcount").innerHTML = 0;
        document.getElementById("subtotal").innerHTML= 0;
    })
```