

Andrew id: ichiang

Name: I-Tung Chiang

Reflection:

I have some web development experience before by using React as the framework. And this is the first time that I use pure HTML + Vanilla JS to implement a website.

The first thing I learned was reusable components are very helpful when you develop a website. In React, every component could be reused. I only need to create one time, and I can apply it to any page I want, but by using pure JS with HTML, I have to create each page manually.

In this project, I use session storage to store the items in the cart. Using session storage is an excellent way to implement a cart function compared to send data to the backend server. It is more efficient and robust without using XHR.

Programming Concepts:

- Objects:

I use objects to store every item's information in the cart.

```
let tmpCart =  
{'product':productName[0].textContent,'glaze':glazeSection.value,  
'quantity':quantitySection.value,'price':productPrice[0].textCon  
tent};
```

- Loops:

I use loops (for.... in)to list and display every item in the cart to the cart page.

```
for(let i in cartDataObj){ .....}
```

- DOM:

I use different method to get access the DOM tree, includes document.querySelector, document.getElementsByClassName and document.getElementById.

- Template literals:

I use template literals to do string interpolation for dynamically create cart items on the cart page.

- sessionStorage:

I use session storage to store the items in the cart.

```
let cartData = sessionStorage.getItem("cart");
```