

Reflection

I've encountered two main challenges during my project.

First is how to storage cart information between pages: when at the shopping page an item is added to the cart, how to show the information in the cart page. The solution to this problem is localStorage provided by the browser. It allows me to look up a string based on the given string. Then I can get the cart information by keyword 'cart'. The following question is my cart is an object, rather than a string. So I use 'JSON.stringify' to convert the cart object to the string. At the cart page, I use JSON.parse to convert it back. In this way, I can solve the problem and store the cart information between pages.

Second is how to register click event to newly generated items. In the cart page, I need to load the items in the cart and show them in the page dynamically. Each item has a 'delete' button related. Clicking the delete button removes the item in the cart. I had a hard time figuring out how to register the click event and relate the button with the correct item — I tried one solution that clicking one delete button removes another item in the cart. It turns out that I have to register the event when I'm generating the item with javascript, not register the event when the document is ready. In order to find the right matching between delete button and the item, I used the "this" to solve it. The scope of "this" also troubles me a lot. Previously I use another independent function to register the click event, but in that function, "this" refers to the whole window and thus it's impossible to relate the delete button with the right item. In the end, I need to embed the function within the code and everything works out perfectly.