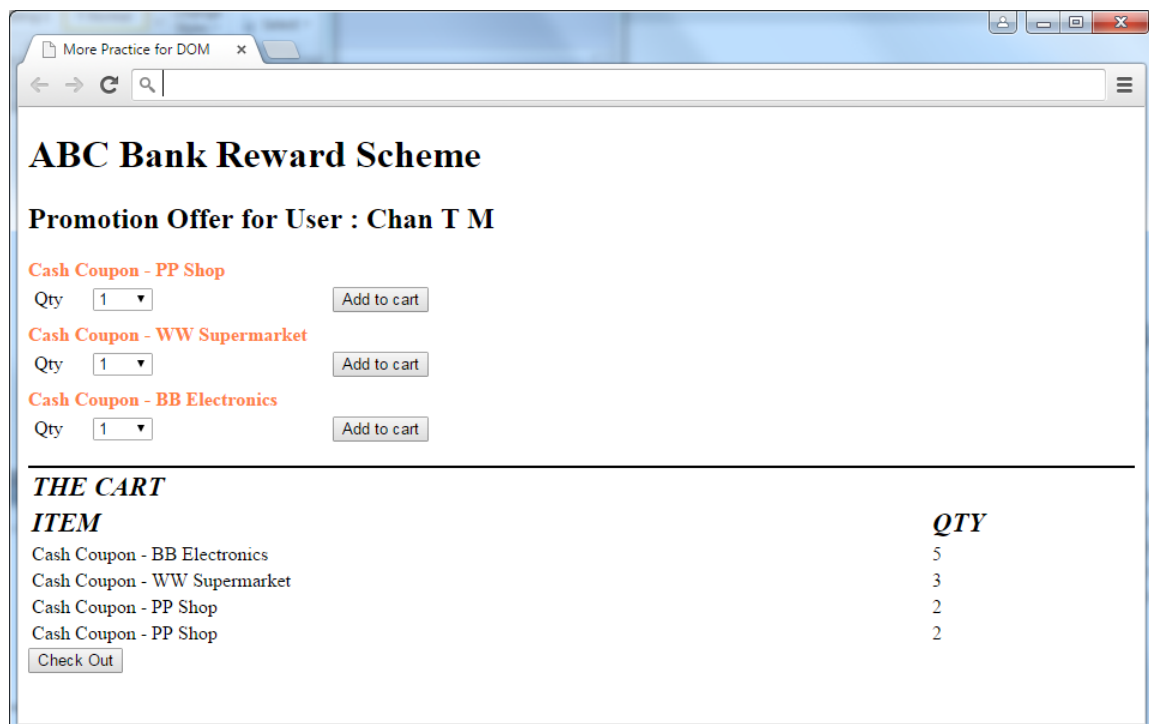


Department of Computer Science
City University of Hong Kong
CS2204 Fundamentals of Internet Application Development
Tutorial 12 – JSON, DOM and Local Storage

Learning Outcomes:

- Able to program HTML5 local storage
- Able to generate HTML from JSON objects

Download the file tutorial12.html, tutorial12.js from Canvas.



Generate the HTML for the promotion products including the product title, quantity selection box and “add to cart” button. Fill in the codes according to the hints in tutorial12.html.

The shopping cart is implemented as a string in local storage with the format:
desc1, qty1 & desc2, qty2 & desc3, qty3 ...

with the attribute name equal to the user name, i.e.

`localStorage.getItem(user);`

`localStorage.setItem(user, the-cart-string)`

There is a table below the selection items. Write the function `addCart()` so that when the *Add to cart* button is clicked, an item is added to the cart. The local storage is updated and the table is refreshed by inline script upon page reload.

When the Check Out button is clicked, the shopping cart will be cleared.

You could find out useful properties of the *select* object in order to get the selected quantity:

if *s* is the select object,

s.options – a collection of the option objects in the select object

s.selectedIndex – set or return the selected option object

therefore *s.options[s.selectedIndex].text* – the text inside the selected option