For Assignment 6B, I tried to use the shared variable at different pages. I made it possible by using localStorage to store the array of selected courses and make it usable at other pages.

I encountered some problems when I tried to change the textContent by the attribution of Object. I found that there were two different ways to do that: target.textContent = “” or target.innerHTML = “”. When I used textContent, I couldn’t make
 work. So I used innerHTML and changed
 to
 to make it work.

I also found what you got from getElementsByClassName was an array while from getElementById was an element. If you need to get the only item with the class name and remove it, the code will be:

document.getElementsByClassName[0].remove();

Programming concept:

```
if (operation.textContent === "Register") {
    selected.push(courses[index]);
    localStorage.setItem("mySelected", JSON.stringify(selected));
```

I can use localStorage to save the variable to use it at different pages.
And the variable will be saved in the user’s local storage and can be read every time you need.

```
// add course into selected by clicking register
var operations = document.getElementsByClassName("operation");
for (const operation of operations) {
    operation.addEventListener("click", function() {
        let index = operation.id;

        // if click Register
        if (operation.textContent === "Register") {
            selected.push(courses[index]);
            localStorage.setItem("mySelected", JSON.stringify(selected));
            for (const operation2 of operations) {

                // turn the button into "drop"
                if (operation2.id === operation.id) {
                    console.log(operation2.id);
                    operation2.textContent = "Drop";
                }

                // turn other buttons into "switch"
                else {
                    operation2.textContent = "Switch";
                }
            }
```

Comments will make the code clearer and well-organized.

```
var tab = document.getElementById("section_table");
var newRow = tab.insertRow();
```

Use insertRow() to add a new row into a table as needed.

```
//create new labels for registered courses
var newNode1 = document.createElement("div");
newNode1.setAttribute("class", selected[i].number);
newNode1.setAttribute("id", 'PUI1');
newNode1.innerHTML = selected[i].number + '<br />' +
                     selected[i].name + '<br />' +
                     'Section ' + selected[i].section;
```

Use innerHTML rather than textContent to make
 work.

```
document.getElementById("schedule_link").textContent
        = "My course schedule(" + selected.length + ")";
document.getElementsByClassName("cart_page")[0].textContent =
"My Courses (" + selected.length + ")";
```

The types of getElementById() and getElementsByClassName are different.
Use getElementByClassName()[0] to get the element.