

2021.11.23

Here is what we would like to see in terms of coding:

No abbreviation.

The word should be spelled out. Here is an example we want to see:

```
root.prototype.unshareScenario = function(request_message, parent_object)
{
    var scenario_available_count = scenario_summary.length
    for (var index = 0; index < scenario_available_count; ++index)
    {
        var scenario_current = scenario_summary[index]
        if (scenario_current.id.localeCompare(request_message.mongodb_id) == 0)
            break
    }
}
```

Constants

All constants should be defined with symbolic names and put them at the beginning of the HTML file. For example,

At the beginning of the HTML file:

```
var CLIENT_CONTROL_UPDATE_ms = 5000
```

The actual code:

```
connection.update_timer = setInterval(function(){
    ...
}, CLIENT_CONTROL_UPDATE_ms);
```

Here is another example:

At the beginning of the file:

```
var MENU_ITEM_ACCOUNT = 'My Account'
```

The actual code where constructing the HTML code dynamically:

```
if (menu_active_id.localeCompare(MENU_ITEM_ACCOUNT_ID) === 0)
  navigation_menu += '<a href="#" + MENU_ITEM_ACCOUNT_ID + "' id="id_tab_account" class="active" onclick="initializeAccount(this)">' + MENU_ITEM_ACCOUNT + '</a>';
else
  navigation_menu += '<a href="#" + MENU_ITEM_ACCOUNT_ID + "' id="id_tab_account" onclick="initializeAccount(this);">' + MENU_ITEM_ACCOUNT + '</a>';
```

Function naming and length

Please give each function a meaningful name and be consistent. Each function should not be too long, ideally less than 50 lines.

Javascript and HTML

We suggest putting Javascript code in a separate file from HTML to avoid the HTML file being so long. If the HTML is not too long, combining Javascript and HTML code is fine. The goal is to avoid the HTML file being too long and hard to read.

We expect to have the delivered code in HTML, Javascript and CSS. Please avoid PHP and other languages as much as possible.

Test server

We would like to have the test server you will build with NodeJS (<https://nodejs.org/en/docs/guides/getting-started-guide/>) so that we can run and verify your work right away.