

/\* To Do List 만들기 \*/

```
var removeSVG = `.....`;
var completeSVG = `.....`;
var addBtn = document.getElementById('add');

addBtn.addEventListener('click', function() {
    var value = document.getElementById('item').value;
    if(value) {
        addItemTodo(value);
        document.getElementById('item').value = "";
    }
});

function addItemTodo(text) {
    var list = document.getElementById('todo');
    var item = document.createElement('li');
    item.innerText = text;

    var buttons = document.createElement('div');
    buttons.classList.add('buttons');

    var remove = document.createElement('button');
    remove.classList.add('remove');
    remove.innerHTML = removeSVG;

    remove.addEventListener('click', removeItem);

    var complete = document.createElement('button');
    complete.classList.add('complete');
    complete.innerHTML = completeSVG;

    complete.addEventListener('click', completeItem);

    buttons.appendChild(remove);
    buttons.appendChild(complete);
    item.appendChild(buttons);

    list.insertBefore(item, list.childNodes[0]); // 최신 순으로 목록 삽입
}

function removeItem() {.....}
function completeItem() {.....}
```

```
function removeItem() {
    var item = this.parentNode.parentNode;
    var parent = item.parentNode;
    parent.removeChild(item);
}

function completeItem() {

    var item = this.parentNode.parentNode;
    var parent = item.parentNode;
    var id = parent.id;
    // console.log(id);

    // To Do List 위치 조정
    var target = (id === 'todo')
        ? document.getElementById('completed')
        : document.getElementById('todo');

    parent.removeChild(item);
    target.insertBefore(item, target.childNodes[0]);

}
```

**/\* Shopping Mall : 필터 기능 구현하기 \*/**

```
// filter btn
(function () {

    var filterBtn = document.querySelectorAll('.filter-btn');
    filterBtn.forEach(function(btn) {

        btn.addEventListener('click', function(e) {
            e.preventDefault();

            var value = e.target.dataset.filter;
            var items = document.querySelectorAll('.store-item');
            items.forEach(function(item) {

                if(value === 'all') {
                    item.style.display = 'block';
                } else {
                    if(item.classList.contains(value)) {
                        item.style.display = 'block';
                    } else {
                        item.style.display = 'none';
                    }
                }
            })
        })
    })

})();
```

**/\* Shopping Mall : 검색 기능 구현하기 \*/**

```
// search input
(function () {

    var search = document.getElementById('search-item');
    search.addEventListener('keyup', function() {

        var value = search.value.toLowerCase().trim();
        var items = document.querySelectorAll('.store-item');

        items.forEach(function(item) {

            var type = item.dataset.item;
            // console.log(typeof type);
            // 각 제품별 데이터 속성값 안에 검색에서 입력한 텍스트가 삽입되어 있는지 확인

            // 검색방법 (1) : 앞, 중간, 뒤 상관없이 단어만 있으면 검색
            /*
            if(type.includes(value)) {
                item.style.display = 'block';
            } else {
                item.style.display = 'none';
            }
            */

            // 검색방법 (2) : 앞에서부터 검색
            var length = value.length;
            var match = type.slice(0, length);

            if(value === match) {
                item.style.display = 'block';
            } else {
                item.style.display = 'none';
            }

        })

    });

})();
```

**/\* Shopping Mall : Modal 기능 구현하기 \*/**

```
// lightbox
(function() {

    var imageList = [];
    var counter = 0;

    var images = document.querySelectorAll('.store-img');
    var container = document.querySelector('.lightbox-container');
    var item = document.querySelector('.lightbox-item');
    var closeIcon = document.querySelector('.lightbox-close');
    var btnLeft = document.querySelector('.btnLeft');
    var btnRight = document.querySelector('.btnRight');

    images.forEach(img => { imageList.push(img.src); });
    // console.log(imageList);

    // open modal
    images.forEach(img => {
        img.addEventListener('click', function(e) {

            // show modal
            container.classList.add("show");

            // get source
            let src = e.target.src;
            // console.log(src);

            // 팝업에 표시된 이미지의 좌표(?) 가져오기
            counter = imageList.indexOf(src);
            // console.log(counter);

            item.style.backgroundImage = `url(${src})`;

        });
    });

})();
```

```

// lightbox
(function() {

    .....

    // close modal
    closeIcon.addEventListener('click', function() {
        container.classList.remove("show");
    });

    btnLeft.addEventListener('click', function() {

        counter--;

        if(counter < 0) {
            counter = imageUrl.length - 1;
        }

        // console.log(counter);
        item.style.backgroundImage = `url(${imageUrl[counter]})`;

    });

    btnRight.addEventListener('click', function() {

        counter++;

        if(counter > imageUrl.length - 1) {
            counter = 0;
        }

        item.style.backgroundImage = `url(${imageUrl[counter]})`;

    });

})();

```

***/\* Shopping Mall : Show Cart \*/***

```
(function () {  
  
    const cartInfo = document.getElementById('cart-info');  
    const cart = document.getElementById('cart');  
  
    cartInfo.addEventListener('click', function () {  
        cart.classList.toggle('show-cart');  
    })  
  
})();
```

## **/\* Shopping Mall : Add Cart \*/**

```
var cartBtn = document.querySelectorAll('.store-item-icon');
cartBtn.forEach(function (btn) {
    btn.addEventListener('click', function (e) {

        if (e.target.parentElement.classList.contains('store-item-icon')) {

            var fullPath = e.target.parentElement.previousElementSibling.src;
            var pos = fullPath.indexOf('img') + 3;
            var partPath = fullPath.slice(pos);

            var item = {};
            item.img = `img-cart${partPath}`;

            var name =
e.target.parentElement.parentElement.nextElementSibling.children[0].children[0].textCon
tent;

            item.name = name;
            var price =
e.target.parentElement.parentElement.nextElementSibling.children[0].children[1].textCon
tent;

            var finalPrice = price.slice(1).trim();
            item.price = finalPrice;

            var cartItem = document.createElement('div');
            cartItem.classList.add(
                'cart-item',
                'd-flex',
                'justify-content-between',
                'text-capitalize',
                'my-3'
            );

            cartItem.innerHTML = `예제코드 참고`;

            var cart = document.getElementById('cart');
            var total = document.querySelector('.cart-total-container');
            cart.insertBefore(cartItem, total);
            alert('item added to the cart');
            showTotals();
        }
    })
});
```



**/\* Shopping Mall : Show Total Price \*/**

```
(function() {

    cartBtn.forEach(function(btn) {

        .....

    });

    // Show totals
    function showTotals() {

        var total = [];
        var items = document.querySelectorAll('.cart-item-price');

        items.forEach(function (item) {
            total.push(parseFloat(item.textContent));
        });

        var totalMoney = total.reduce(function (total, item) {
            total += item;
            return total;
        }, 0);

        var finalMoney = totalMoney.toFixed(2);
        console.log(finalMoney);

        document.getElementById('cart-total').textContent = finalMoney;
        document.querySelector('.item-total').textContent = finalMoney;
        document.getElementById('item-count').textContent = total.length;

    }

})();
```

- reduce() : [https://developer.mozilla.org/ko/docs/Web/JavaScript/Reference/Global\\_Objects/Array/Reduce](https://developer.mozilla.org/ko/docs/Web/JavaScript/Reference/Global_Objects/Array/Reduce)

**/\* Scroll Indicator \*/**

```
(function () {  
  
    window.onscroll = function () {  
  
        // 스크롤 위치  
        var scrollTop = window.pageYOffset || document.documentElement.scrollTop ||  
document.body.scrollTop;  
  
  
        // 전체 컨텐츠의 높이를 의미  
        var scrollHeight = document.documentElement.scrollHeight ||  
document.body.scrollHeight;  
        console.log(scrollHeight);  
  
  
        // 현재 눈에 보이는 브라우저의 높이값  
        var clientHeight = document.documentElement.clientHeight ||  
document.body.clientHeight;  
        console.log(clientHeight);  
  
  
        // contentHeight : 눈에 보이지 않는 남은 범위  
        var contentHeight = scrollHeight - clientHeight;  
        var scrollBar = (scrollTop / contentHeight) * 100;  
  
        document.getElementById('scroll-bar').style.width = scrollBar + '%';  
  
    };  
  
})();
```

- 참조 : <https://tyle.io/blog/61>

**`/* Mouse Move Background */`**

```
(function () {

    var windowWidth = window.innerWidth;
    var windowHeight = window.innerHeight;
    var page_container = document.querySelector('.page-container');
    var page_back = document.querySelector('.page-back');

    page_container.addEventListener("mousemove", function(e) {

        var moveX = ((windowWidth / 2) - e.pageX) * 0.1;
        var moveY = ((windowHeight / 2) - e.pageY) * 0.1;

        page_back.style.marginLeft = moveX + "px";
        page_back.style.marginTop = moveY + "px";

    });

})();
```

**`/* SnackBar */`**

```
function myFunction() {  
  
    var x = document.getElementById('snackbar');  
    x.className = "show";  
  
    setTimeout(function() {  
        x.className = x.className.replace("show", "");  
    }, 3000);  
  
}
```

- replace() : [https://www.w3schools.com/jsref/jsref\\_replace.asp](https://www.w3schools.com/jsref/jsref_replace.asp)

**`/* Accordion */`**

```
(function() {  
  
    var accBtns = document.querySelectorAll('.accordion');  
  
    accBtns.forEach(function(btn) {  
  
        btn.addEventListener('click', function() {  
  
            this.classList.toggle('active');  
  
            var panel = this.nextElementSibling;  
            // console.log(panel.scrollHeight);  
  
            if (panel.style.maxHeight) {  
                panel.style.maxHeight = null;  
            } else {  
                panel.style.maxHeight = panel.scrollHeight + "px";  
            }  
  
        })  
  
    });  
  
})();
```

***/\* Sticky Navbar \*/***

```
(function () {  
  
    window.onscroll = function () {  
  
        var nav = document.getElementById('nav');  
        var scrollTop = window.pageYOffset ||  
document.documentElement.scrollTop || document.body.scrollTop || 0;  
  
        if(scrollTop) {  
            nav.classList.add('black');  
        } else {  
            nav.classList.remove('black');  
        }  
  
    };  
  
})();
```