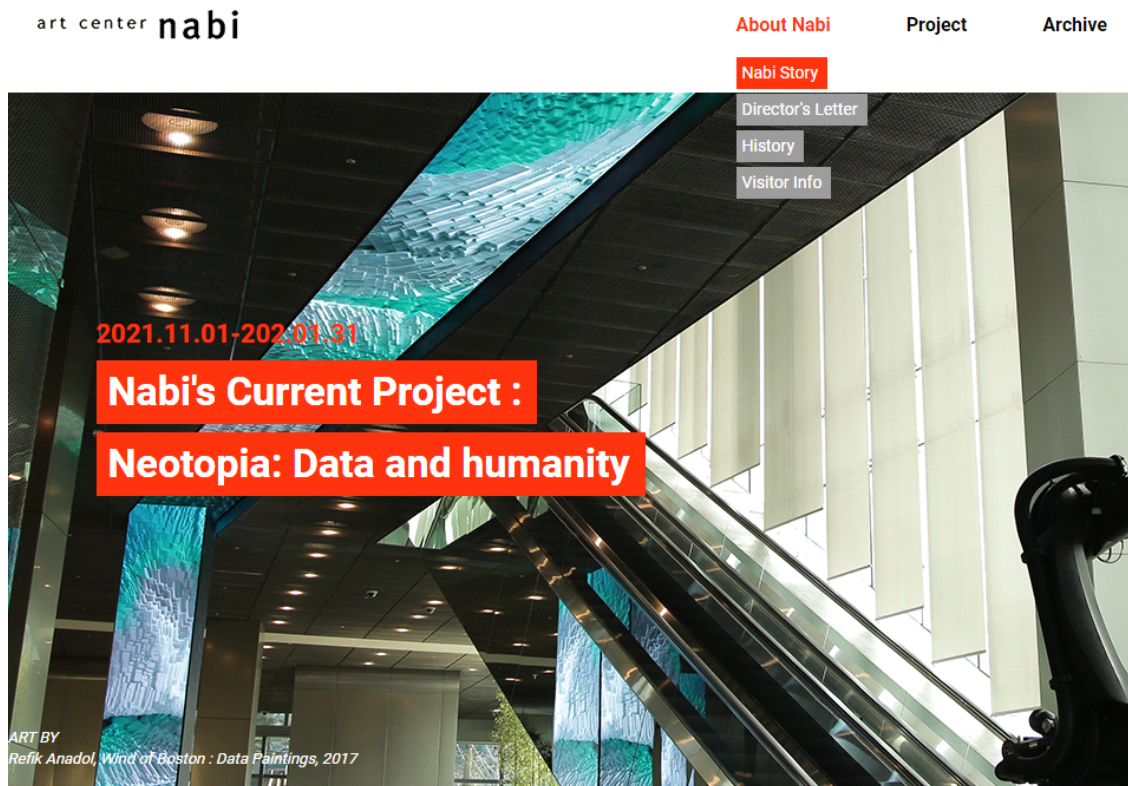# Chapter1. Desktop Type

1) 인터랙션

part6 desktop type example/js/main.js

```javascript
window.addEventListener("load", function(){
    var topBtn=document.getElementById("etc").firstElementChild;
    topBtn.style.display="block";

    topBtn.addEventListener("click", function(e){
        e.preventDefault();
        gsap.to(window, {scrollTo: 0, duration: 0.5});
    });
});
```

```
/*
window.addEventListener("load", function(){
    var topBtn=document.getElementById("etc").firstElementChild;
    topBtn.style.display="block";

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        e.preventDefault();
        gsap.to(window, {scrollTo: 0, duration: 0.5});
    });
});
*/

window.addEventListener("load", function(){
    // 1) navigation
    var header=document.getElementById("header");

    for(var i=0; i<header.children.length; i++){
        if(header.children[i].className == "upper"){
            var upper=header.children[i];
        }
    }
    for(var i=0; i<upper.children.length; i++){
        if(upper.children[i].className == "nav"){
            var nav=upper.children[i];
        }
    }

    var navLi=nav.firstElementChild.children;

    for(var i=0; i<navLi.length; i++){
        navLi[i].addEventListener("mouseenter", function(e){
            e.target.classList.add("active");
        });
        navLi[i].addEventListener("mouseleave", function(e){
            e.target.classList.remove("active");
        });
        navLi[i].firstElementChild.addEventListener("focusin", function(e){
            e.target.parentElement.classList.add("active");
        });

        for(var j=0; j<navLi[i].children.length; j++){
            if(navLi[i].children[j].tagName == "UL"){
                var depth2Ul=navLi[i].children[j];
```

```
                    for(var k=0; k<depth2Ul.children.length; k++){
                        depth2Ul.children[k].index=k; // 0, 1, 2, 3

                        depth2Ul.children[k].firstElementChild.addEventListener("focusout",
function(e){
                            var total=e.target.parentElement.parentElement.children.length;

                            if(e.target.parentElement.index == total-1){

e.target.parentElement.parentElement.parentElement.classList.remove("active");
                            }
                        });
                    }
                }
            }
        }

        // 2) gallery
        var galleryN=0;
        var galleryTotal;

        var galleryArea=document.getElementsByClassName("keyvisual")[0];
        var [gallery, galleryControl]=galleryArea.children;
        var galleryLi=gallery.firstElementChild.children;
        galleryTotal=galleryLi.length;

        for(var i=0; i<galleryControl.children.length; i++){
            if(galleryControl.children[i].className == "num_control"){
                var control=galleryControl.children[i];
            }
        }

        var controlLi=control.firstElementChild.children;

        function setGallery(n){
            for(var i=0; i<galleryLi.length; i++){
                if(i == n){
                    galleryLi[i].classList.add("active");
                    controlLi[i].classList.add("active");
                }
                else{
                    galleryLi[i].classList.remove("active");
                    controlLi[i].classList.remove("active");
                }
```

```javascript
        }
    }
    function intervalMoving(){
        if(galleryN < (galleryTotal-1)){ // 0, 1, 2, 3
            galleryN+=1;
        }
        else{
            galleryN=0;
        }
        setGallery(galleryN);
    }

    setGallery(galleryN);
    var id=this.setInterval(intervalMoving, 5000);

    for(var i=0; i<controlLi.length; i++){
        controlLi[i].index=i;

        controlLi[i].addEventListener("click", function(e){
            e.preventDefault();
            var index=e.currentTarget.index;

            if(galleryN != index){
                galleryN=index;
                setGallery(galleryN);
            }
        });
        controlLi[i].addEventListener("mouseenter", function(){
            clearInterval(id);
        });
        controlLi[i].addEventListener("mouseenter", function(){
            id=setInterval(intervalMoving, 5000);
        });
    }

    // 3) go top
    var t=0;
    var topBtn=document.getElementById("etc").firstElementChild;

    window.addEventListener("scroll", function(){
        t=window.pageYOffset;

        if(t > 100){
            if(topBtn.style.display != "block"){
```

```javascript
                    gsap.fromTo(topBtn, {display: "block", opacity: 0}, {opacity: 1, duration: 0.3});
                }
            }
            else{
                if(topBtn.style.display != "none"){
                    gsap.to(topBtn, {opacity: 0, duration: 0.3, onComplete: function(){
                        topBtn.style.display="none";
                    }});
                }
            }
        });

        topBtn.addEventListener("click", function(e){
            e.preventDefault();
            gsap.to(window, {scrollTo: 0, duration: 0.5});
        });

        // 4) lnb
        var lnb=document.getElementsByClassName("lnb")[0];
        var lnbBtn=lnb.firstElementChild;

        lnbBtn.addEventListener("click", function(e){
            e.preventDefault();
            e.currentTarget.classList.toggle("active");
        });
    });
```