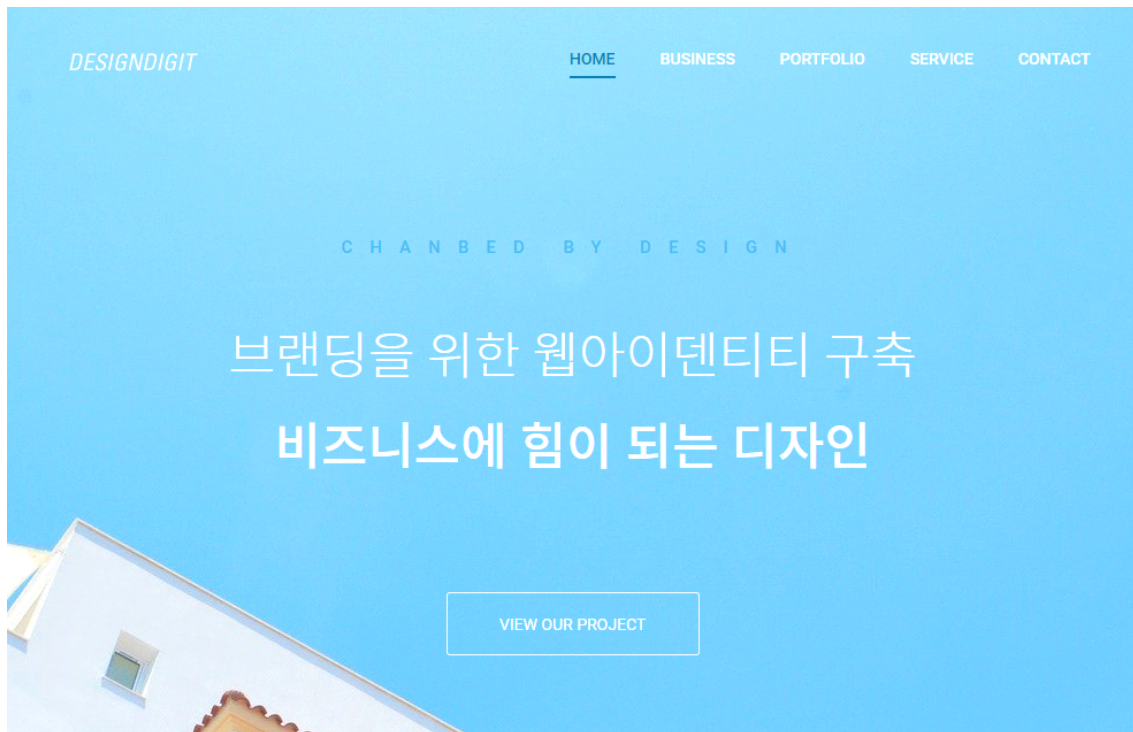


## Chapter1. Responsive Type



### 1) 모바일 메뉴1

part2 responsive tab design/mobile\_menu1.html

HTML ::

```
<div class="wrapper">
  <header id="header">
    <nav id="desktop">
      <ul>
        <li><a href="">MENU1</a></li>
        <li><a href="">MENU2</a></li>
        <li><a href="">MENU3</a></li>
        <li><a href="">MENU4</a></li>
        <li><a href="">MENU5</a></li>
      </ul>
    </nav>
    <nav id="mobile">
      <ul>
```

```

        <li><a href="">MENU1</a></li>
        <li><a href="">MENU2</a></li>
        <li><a href="">MENU3</a></li>
        <li><a href="">MENU4</a></li>
        <li><a href="">MENU5</a></li>
    </ul>
</nav>
<a href="" class="tab">tab</a>
</header>
<div class="dim"></div>
</div>

```

CSS ::

```

body {
    font-family: "Open Sans", sans-serif;
    font-size: 1em;
    height: 2000px;
}
body.fixed {
    overflow-y: hidden;
}
#header {
    position: relative;
    height: 3.75em;
    font-size: 1em;
    background-color: #24bbaf;
}
#desktop {
    text-align: center;
}
#desktop li {
    display: inline-block;
}
#desktop li a {
    display: block;
    padding: 0 1.875em;
    line-height: 4.286em;
    font-size: 0.875em;
    color: #fff;
}
#mobile {

```

```
    position: fixed;
    left: -15em;
    top: 0;
    z-index: 1000;
    padding: 6.25em 0 0 3.125em;
    width: 15em;
    height: 100%;
    background-color: #fff;
    transition: left 0.4s;
    box-sizing: border-box;
}
#mobile.active {
    left: 0;
}
#mobile a {
    display: block;
    line-height: 3.6;
    border-bottom: 1px solid #eaeaea;
}
#header .tab {
    display: none;
    position: absolute;
    left: 0.625em;
    top: 0.625em;
    width: 2.5em;
    height: 2.5em;
    overflow: hidden;
    text-indent: -9999px;
    background: url(images/toggle_button.png) no-repeat 0 0;
    background-size: cover;
}
.dim {
    display: none;
    position: fixed;
    left: 0;
    right: 0;
    top: 0;
    bottom: 0;
    background-color: rgba(0,0,0,.6);
}
.dim.active {
    display: block;
}
```

```

@media only screen and (max-width: 600px) {
    #header {
        font-size: 0.875em;
    }
    #desktop {
        display: none;
    }
    #header .tab {
        display: block;
    }
}

```

JavaScript ::

```

window.addEventListener("load", function(){
    var body=document.body;
    var tab=header.getElementsByClassName("tab")[0];
    var dim=document.getElementsByClassName("dim")[0];
    var w; // 윈도우의 가로 크기를 지정할 변수입니다.

    tab.addEventListener("click", function(e){
        e.preventDefault();
        body.classList.add("fixed");
        mobile.classList.add("active");
        dim.classList.add("active");
    });
    dim.addEventListener("click", function(){
        body.classList.remove("fixed");
        mobile.classList.remove("active");
        dim.classList.remove("active");
    });
    window.addEventListener("resize", function(){
        w=window.innerWidth;

        if(w > 600){
            if(mobile.classList.contains("active")){
                body.classList.remove("fixed");
                mobile.classList.remove("active");
                dim.classList.remove("active");
            }
        }
    });
});

```

};

HTML ::

```
<div class="wrapper">
  <header id="header">
    <nav id="desktop">
      <ul>
        <li><a href="">MENU1</a></li>
        <li><a href="">MENU2</a></li>
        <li><a href="">MENU3</a></li>
        <li><a href="">MENU4</a></li>
        <li><a href="">MENU5</a></li>
      </ul>
    </nav>
    <nav id="mobile">
      <ul>
        <li><a href="">MENU1</a></li>
        <li><a href="">MENU2</a></li>
        <li><a href="">MENU3</a></li>
        <li><a href="">MENU4</a></li>
        <li><a href="">MENU5</a></li>
      </ul>
    </nav>
    <a href="" class="tab">tab</a>
  </header>
  <div class="dim"></div>
</div>
```

CSS ::

```
body {
  font-family: "Open Sans", sans-serif;
  font-size: 1em;
  height: 2000px;
}
body.fixed {
  overflow-y: hidden;
}
.wrapper { /* 추가 */
  margin-left: 0;
  transition: margin-left 0.4s;
}
```

```
.wrapper.active { /* 추가 */
    margin-left: 15em;
}
#header {
    position: relative;
    height: 3.75em;
    font-size: 1em;
    background-color: #24bbaf;
}
#desktop {
    text-align: center;
}
#desktop li {
    display: inline-block;
}
#desktop li a {
    display: block;
    padding: 0 1.875em;
    line-height: 4.286em;
    font-size: 0.875em;
    color: #fff;
}
#mobile {
    position: fixed;
    left: -15rem; /* 수정 */
    top: 0;
    z-index: 1000;
    padding: 6.25em 0 0 3.125em;
    width: 15rem; /* 수정 */
    height: 100%;
    background-color: #fff;
    transition: left 0.4s;
    box-sizing: border-box;
}
#mobile.active {
    left: 0;
}
#mobile a {
    display: block;
    line-height: 3.6;
    border-bottom: 1px solid #eaeaea;
}
#header .tab {
    display: none;
```

```

    position: absolute;
    left: 0.625em;
    top: 0.625em;
    width: 2.5em;
    height: 2.5em;
    overflow: hidden;
    text-indent: -9999px;
    background: url(images/toggle_button.png) no-repeat 0 0;
    background-size: cover;
}
#header .tab.open { /* 추가 */
    background-position: -2.5em 0;
}
.dim {
    display: none;
    position: fixed;
    left: 0;
    right: 0;
    top: 0;
    bottom: 0;
    background-color: rgba(0,0,0,.6);
}
.dim.active {
    display: block;
}

@media only screen and (max-width: 600px) {
    #header {
        font-size: 0.875em;
    }
    #desktop {
        display: none;
    }
    #header .tab {
        display: block;
    }
}

```

JavaScript ::

```

window.addEventListener("load", function(){
    var body=document.body;

```



```
var wrapper=document.getElementsByClassName("wrapper")[0]; // 추가
var tab=header.getElementsByClassName("tab")[0];
var dim=wrapper.getElementsByClassName("dim")[0]; // 수정
var w;

tab.addEventListener("click", function(e){
    e.preventDefault();
    body.classList.add("fixed");
    wrapper.classList.add("active"); // 추가
    mobile.classList.add("active");
    tab.classList.add("open"); // 추가
    dim.classList.add("active");
});
dim.addEventListener("click", function(){
    body.classList.remove("fixed");
    wrapper.classList.remove("active"); // 추가
    mobile.classList.remove("active");
    tab.classList.remove("open"); // 추가
    dim.classList.remove("active");
});
window.addEventListener("resize", function(){
    w=window.innerWidth;

    if(w > 600){
        if(mobile.classList.contains("active")){
            body.classList.remove("fixed");
            wrapper.classList.remove("active"); // 추가
            mobile.classList.remove("active");
            tab.classList.remove("open"); // 추가
            dim.classList.remove("active");
        }
    }
});
});
```

HTML ::

```
<div class="wrapper">
  <header id="header">
    <nav id="desktop">
      <ul>
        <li><a href="">MENU1</a></li>
        <li><a href="">MENU2</a></li>
        <li><a href="">MENU3</a></li>
        <li><a href="">MENU4</a></li>
        <li><a href="">MENU5</a></li>
      </ul>
    </nav>
    <nav id="mobile">
      <ul>
        <li><a href="">MENU1</a></li>
        <li><a href="">MENU2</a></li>
        <li><a href="">MENU3</a></li>
        <li><a href="">MENU4</a></li>
        <li><a href="">MENU5</a></li>
      </ul>
    </nav>
    <a href="" class="tab">tab</a>
  </header>
  <!-- <div class="dim"></div> --> <!-- 수정 -->
</div>
```

CSS ::

```
body {
  font-family: "Open Sans", sans-serif;
  font-size: 1em;
  height: 2000px;
}
body.fixed {
  overflow-y: hidden;
}
#header {
  position: relative;
  height: 3.75em;
  font-size: 1em;
```

```
        background-color: #24bbaf;
    }
    #desktop {
        text-align: center;
    }
    #desktop li {
        display: inline-block;
    }
    #desktop li a {
        display: block;
        padding: 0 1.875em;
        line-height: 4.286em;
        font-size: 0.875em;
        color: #fff;
    }
    /* 전체 창 디자인으로 수정합니다. */
    #mobile { /* 수정 */
        display: none;
        position: fixed;
        left: 0;
        right: 0;
        top: 0;
        bottom: 0;
        z-index: 1000;
        padding: 6.25em 3.125em 3.125em 3.125em;
        height: 100vh;
        text-align: center;
        background-color: rgba(0,0,0,.6);
        box-sizing: border-box;
    }
    #mobile ul { /* 추가 */
        height: 66vh;
        overflow-y: auto;
    }
    #mobile li a { /* 수정 */
        display: block;
        line-height: 4.5;
        font-size: 1.063em;
        color: #fff;
        border-bottom: 1px solid rgba(0,0,0,.2);
    }
    #mobile li:last-child a { /* 추가 */
        border-bottom: none;
    }
}
```

```

#header .tab {
    display: none;
    position: absolute;
    left: 0.625em;
    top: 0.625em;
    width: 2.5em;
    height: 2.5em;
    overflow: hidden;
    text-indent: -9999px;
    background: url(images/toggle_button.png) no-repeat 0 0;
    background-size: cover;
}
#header .tab.open {
    background-position: -2.5em 0;
}
.dim {
    display: none;
    position: fixed;
    left: 0;
    right: 0;
    top: 0;
    bottom: 0;
    background-color: rgba(0,0,0,.6);
}
.dim.active {
    display: block;
}

@media only screen and (max-width: 600px) {
    #header {
        font-size: 0.875em;
    }
    #desktop {
        display: none;
    }
    #header .tab {
        display: block;
    }
}

```

JavaScript ::

```

window.addEventListener("load", function(){
    var body=document.body;
    // var wrapper=document.getElementsByClassName("wrapper")[0];
    var tab=header.getElementsByClassName("tab")[0];
    // var dim=wrapper.getElementsByClassName("dim")[0];
    var w;

    tab.addEventListener("click", function(e){
        e.preventDefault();
        body.classList.add("fixed");
        // wrapper.classList.add("active");
        // mobile.classList.add("active");
        gsap.fromTo(mobile, {display: "block", opacity: 0}, {opacity: 1, duration: 0.3});
        tab.classList.add("open");
        // dim.classList.add("active");
    });
    mobile.addEventListener("click", function(){
        body.classList.remove("fixed");
        // wrapper.classList.remove("active");
        // mobile.classList.remove("active");
        gsap.to(mobile, {opacity: 0, duration: 0.3, onComplete: function(){
            mobile.style.display="none";
        }});
        tab.classList.remove("open");
        // dim.classList.remove("active");
    });
    window.addEventListener("resize", function(){
        w=window.innerWidth;

        if(w > 600){
            if(mobile.style.display == "block"){
                body.classList.remove("fixed");
                // wrapper.classList.remove("active");
                // mobile.classList.remove("active");
                tab.classList.remove("open");
                gsap.to(mobile, {opacity: 0, duration: 0.3, onComplete: function(){
                    mobile.style.display="none";
                }});
                // dim.classList.remove("active");
            }
        }
    });
});

```

HTML ::

```
<div class="wrapper">
  <header id="header">
    <nav id="desktop">
      <ul>
        <li><a href="">MENU1</a></li>
        <li><a href="">MENU2</a></li>
        <li><a href="">MENU3</a></li>
        <li><a href="">MENU4</a></li>
        <li><a href="">MENU5</a></li>
      </ul>
    </nav>
    <nav id="mobile">
      <ul>
        <li><a href="">MENU1</a></li>
        <li><a href="">MENU2</a></li>
        <li><a href="">MENU3</a></li>
        <li><a href="">MENU4</a></li>
        <li><a href="">MENU5</a></li>
      </ul>
    </nav>
    <a href="" class="tab">tab</a>
  </header>
  <!-- <div class="dim"></div> -->
</div>
```

CSS ::

```
body {
  font-family: "Open Sans", sans-serif;
  font-size: 1em;
  height: 2000px;
}
body.fixed {
  overflow-y: hidden;
}
#header { /* 수정 */
  position: absolute;
  left: 0;
  top: 0;
```

```
width: 100%;
height: 3.75em;
font-size: 1em;
background-color: #24bbaf;
}
#header.fixed { /* 추가 : 윈도우 상단 좌표가 200px보다 커지면 fixed 클래스를 추가합니다. */
  position: fixed;
}
#desktop {
  text-align: center;
}
#desktop li {
  display: inline-block;
}
#desktop li a {
  display: block;
  padding: 0 1.875em;
  line-height: 4.286em;
  font-size: 0.875em;
  color: #fff;
}
#mobile {
  display: none;
  position: fixed;
  left: 0;
  right: 0;
  top: 0;
  bottom: 0;
  z-index: 1000;
  padding: 6.25em 3.125em 3.125em 3.125em;
  height: 100vh;
  text-align: center;
  background-color: rgba(0,0,0,.6);
  box-sizing: border-box;
}
#mobile ul {
  height: 66vh;
  overflow-y: auto;
}
#mobile li a {
  display: block;
  line-height: 4.5;
  font-size: 1.063em;
  color: #fff;
```

```

        border-bottom: 1px solid rgba(0,0,0,.2);
    }
    #mobile li:last-child a {
        border-bottom: none;
    }
    #header .tab {
        display: none;
        position: absolute;
        left: 0.625em;
        top: 0.625em;
        width: 2.5em;
        height: 2.5em;
        overflow: hidden;
        text-indent: -9999px;
        background: url(images/toggle_button.png) no-repeat 0 0;
        background-size: cover;
    }
    #header .tab.open {
        background-position: -2.5em 0;
    }

    @media only screen and (max-width: 600px) {
        #header {
            font-size: 0.875em;
        }
        #desktop {
            display: none;
        }
        #header .tab {
            display: block;
        }
    }
}

```

JavaScript ::

```

window.addEventListener("load", function(){
    var body=document.body;
    var tab=header.getElementsByClassName("tab")[0];
    var w;
    var t=0; // 추가

    tab.addEventListener("click", function(e){

```



```

        e.preventDefault();
        body.classList.add("fixed");
        gsap.fromTo(mobile, {display: "block", opacity: 0}, {opacity: 1, duration: 0.3});
        tab.classList.add("open");
    });
    mobile.addEventListener("click", function(){
        body.classList.remove("fixed");
        gsap.to(mobile, {opacity: 0, duration: 0.3, onComplete: function(){
            mobile.style.display="none";
        }});
        tab.classList.remove("open");
    });
    window.addEventListener("resize", function(){
        w=window.innerWidth;

        if(w > 600){
            if(mobile.style.display == "block"){
                body.classList.remove("fixed");
                tab.classList.remove("open");
                gsap.to(mobile, {opacity: 0, duration: 0.3, onComplete: function(){
                    mobile.style.display="none";
                }});
            }
        }
    });
    window.addEventListener("scroll", function(){ // 추가
        t=window.pageYOffset;
        // console.log("t : "+t);

        if(t > 80){
            if(header.classList.contains("fixed") == false){
                header.classList.add("fixed");
                gsap.fromTo(header, {top: -60}, {top: 0, duration: 0.3, delay: 0.5});
            }
        }
        else{
            if(header.classList.contains("fixed") == true){
                header.classList.remove("fixed");
                header.removeAttribute("style");
            }
        }
    });
});

```