Bài 1

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Bai 1</title>
    <link rel="stylesheet" href="style1.css">
</head>
<body>
    <label class="switch">
        <input type="checkbox">
        <span class="slider"></span>
    </label>
</body>
</html>
```
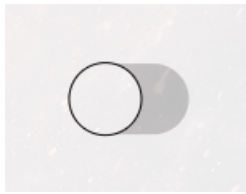
```css
1   *{
2       margin: 0;
3       padding: 0;
4       box-sizing: border-box;
5   }
6
7   body{
8       position: absolute;
9       top: 50%;
10      left: 50%;
11      transform: translate(-50%,-50%);
12  }
13
14  /* Tạo khung cho nút */
15  .switch{
16      position: relative;
17      width: 60px;
18      height: 35px;
19      display: inline-block;
20  }
21
22  /* ẩn nút checkbox */
23  .switch > input{
24      opacity: 0;
25      width: 0;
26      height: 0;
27  }
28  /* Tạo giao diện của nút */
29  /* Tạo nền xám cho nút */
30  .slider{
31      position: absolute;
32      top: 0;
33      left: 0;
34      right: 0;
35      bottom: 0;
36      background-color: #ccc;
37      border-radius: 34px;
38      transition: .4s;
39  }
40
41  /* Tạo hiệu ứng bật tắt */
42  /* Tạo nút tròn và độ mượt */
43  .slider::before{
44      content: "";
45      position: absolute;
46      height: 35px;
47      width: 35px;
48      top: -1px;
49      left: 0px;
50      bottom: 0px;
51      background-color: white;
52      border-radius: 50%;
53      transition: .4s;
54      border: 1px solid black;
55  }
56
57  /* chuyển màu xanh khi nhấn */
58  input:checked + .slider{
59      background-color: #2196F3;
60  }
61
62  /* Di chuyển nút tròn khi nhấn */
63  input:checked + .slider::before{
64      transform: translateX(26px);
65  }
```

Bài 2

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Bai 2</title>
    <link rel="stylesheet" href="style2.css">
</head>
<body>
    <div class="Gallery">
        <article class="card">
            <figure>
                <img src="/BUOI4/image/winter-forest.jpg" alt="">
            </figure>
            <figcaption>
                <h3>Winter forest</h3>
            </figcaption>
        </article>
        <article class="card">
            <figure>
                <img src="/BUOI4/image/lavender-field.jpg" alt="">
            </figure>
            <figcaption>
                <h3>Lavender field</h3>
            </figcaption>
        </article>
        <article class="card">
            <figure>
                <img src="/BUOI4/image/wooden-brige.jpg" alt="">
            </figure>
            <figcaption>
                <h3>Wooden brige</h3>
        </article>
    </div>
</body>
</html>
```

```css
1   *{
2       margin: 0;
3       padding: 0;
4       box-sizing: border-box;
5   }
6
7   body{
8       position: absolute;
9       top: 50%;
10      left: 50%;
11      transform: translate(-50%,-50%);
12  }
13
14  .Gallery{
15      display: flex;
16      background-color: var(--background);
17
18  }
19
20  .card{
21      width: 140px;
22      height: 160px;
23      left: 0;
24      border: 8px;
25      border-radius: 4px;
26      transition: 1400ms all;
27      transform-origin: center left;
28      box-shadow: 0 6px 12px rgba(0, 0, 0, 0.5);
29      outline: 1px solid var(--background);
30      overflow: hidden;
31      margin: 10px;
32  }
33
34  img{
35      width: 140px;
36      height: 160px;
37      object-fit: cover;
38      position: absolute;
39      border-radius: 4px;
40  }
41
42
43
44  .card:hover{
45      transform: scale(1.15);
46      transition: .5s;
47      cursor: pointer;
48  }
49
50  .card:hover > figcaption{
51      font-size: 0.6rem;
52      position: absolute;
53      width: 160px;
54      height: 80px;
55      display: flex;
56      align-items: end;
57      background: linear-gradient(
58          to top,
59          rgba(0,0,0,0.9) 0%,
60          rgba(0,0,0,0) 100%
61      );
62      color: white;
63      left: 0;
64      bottom: 0;
65      padding-left: 12px;
66      padding-bottom: 10px;
67  }
68
69  .card:hover ~ .card{
70      font-weight: bold;
71      cursor: pointer;
72      transform: translateX(22px);
73
74  }
75
```

Bài 3


```html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <title>Bai 3</title>
7       <link rel="stylesheet" href="style3.css">
8   </head>
9   <body>
10      <ul>
11          <li>Home</li>
12          <li>About</li>
13          <li>Contact</li>
14      </ul>
15  </body>
16  </html>
```

```css
1   *{
2       margin: 0;
3       padding: 0;
4       box-sizing: border-box;
5   }
6
7   body{
8       position: absolute;
9       top: 50%;
10      left: 50%;
11      transform: translate(-50%,-50%);
12  }
13
14  li{
15      position: relative;
16      display: inline;
17      margin: 0 10px;
18      transition: 0.5s;
19      cursor: pointer;
20  }
21
22  li::after{
23      content: "";
24      position: absolute;
25      background-color: blueviolet;
26      width: 100%;
27      height: 3px;
28      left: 0;
29      bottom: 0;
30      transition: transform 0.5s;
31      transform: scale(0);
32      transform-origin: right;
33  }
34
35  li:hover::after{
36      transform: scale(1);
37      transform-origin: left;
38  }
```

Bài 4

```
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <title>Bai 6 | Floating Shoes</title>
7       <link rel="stylesheet" href="style5.css">
8   </head>
9   <body>
10      <img src="./image/upload_1e2a3fd087d94ec9858a87f7a1086f9b_master.jpg" alt="">
11  </body>
12  </html>
```

```css
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body{
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%,-50%);
    background-color: #f5f5f5;
}

img{
    width: 100%;
    height: 100%;
    object-fit: cover;
    animation: float 6s ease-out infinite;
}

@keyframes float {
    0% {
        transform: translateY(0px);
    }
    50%{
        transform: translateY(-60px);
    }
    100%{
        transform: translateY(0px);
    }
}
```

/*Nó đang bay đó*/

CSS Nâng Cao

Bài 1

```
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <title>Side Bar</title>
7       <link rel="stylesheet" href="stylenangcao1.css">
8       <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css">
9   </head>
10  <body>
11      <div class="container">
12          <section class="side-bar">
13              <div>
14                  <a href=""><i class="fa-solid fa-house"></i></a>
15                  <span>Home</span>
16              </div>
17              <div>
18                  <a href=""><i class="fa-solid fa-circle-exclamation"></i></a>
19                  <span>About</span>
20              </div>
21              <div>
22                  <a href=""><i class="fa-regular fa-rectangle-list"></i></a>
23                  <span>Services</span>
24              </div>
25              <div>
26                  <a href=""><i class="fa-solid fa-address-book"></i></a>
27                  <span>Contact</span>
28              </div>
29          </section>
30      </div>
31
32  </body>
33  </html>
```
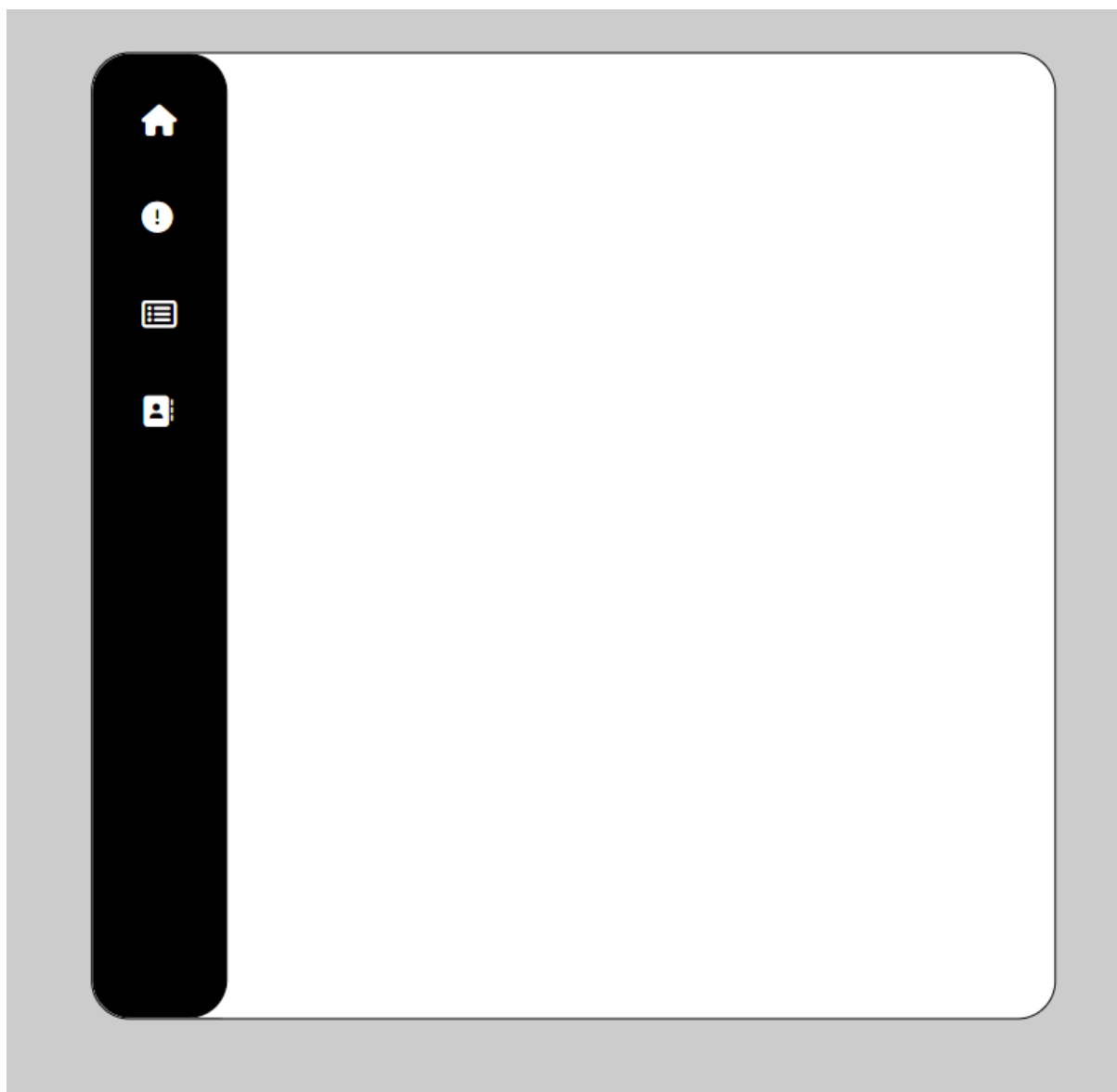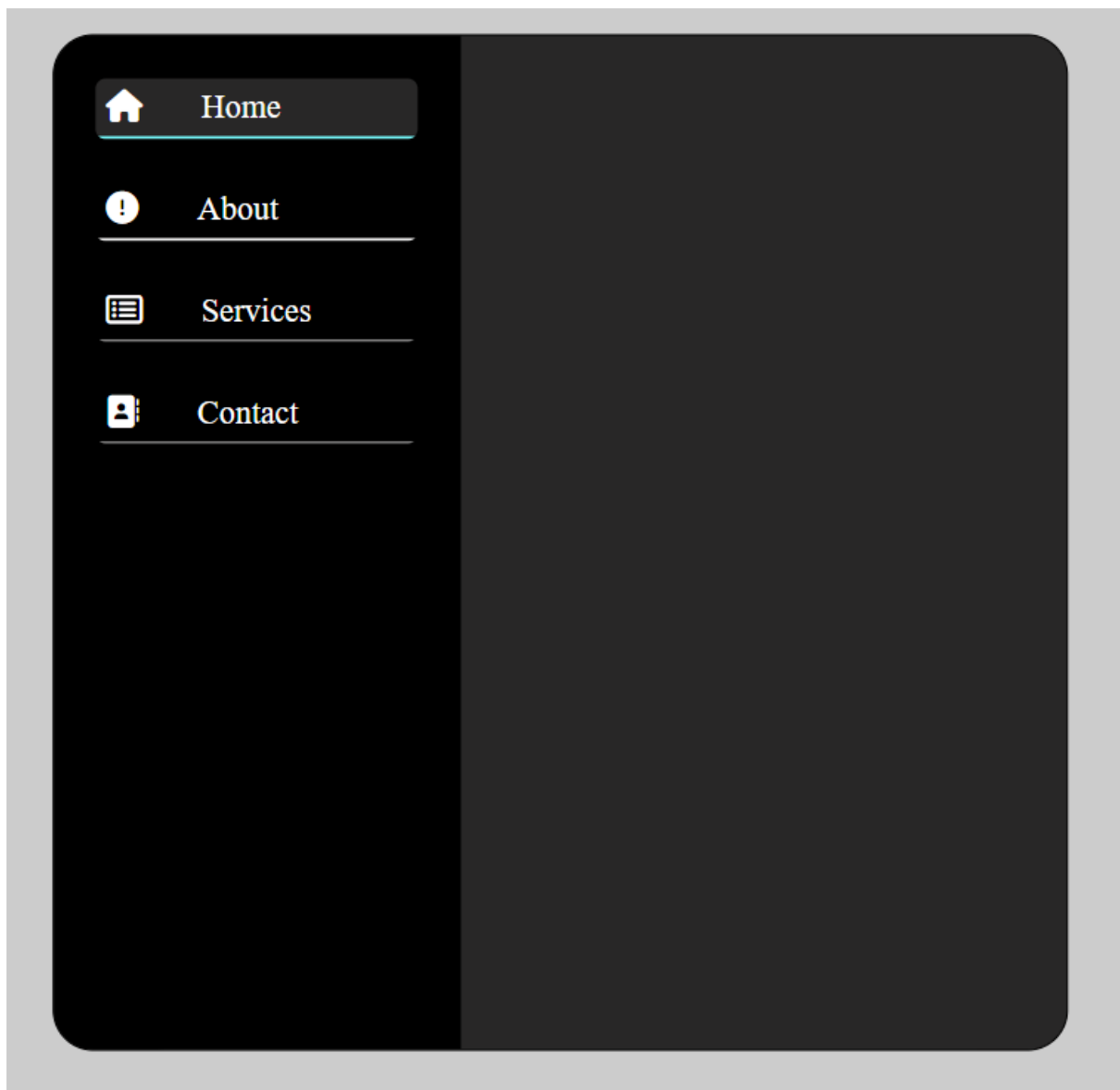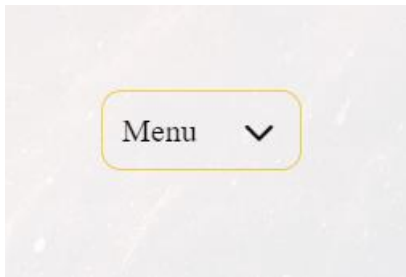
```css
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body{
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%,-50%);
    background-color: #ccc;
}
.container{
    width: 500px;
    height: 500px;
    border-radius: 20px;
    background-color: #fff;
    border: 1px solid black;
}
/* Set cấu hình side bar */
.side-bar{
    position: absolute;
    border: 1px solid black;
    width: 70px;
    height: 100%;
    background-color: black;
    padding: 20px 20px;
    left: 0;
    top: 0;
    border-radius: 20px;
}

/* Set cấu hình thẻ a */
a{
    text-decoration: none;
    color: white;
}

/* Set cấu hình thẻ span */
span{
    margin-left: 25px;
    color: white;
    cursor: pointer;
}

a{
    cursor: pointer;
}

/* Set cấu hình thẻ div */
div{
    position: relative;
    margin-bottom: 20px;
    height: 30px;
    text-align: left;
    overflow: hidden;
    padding: 5px 5px 0 5px;
    border-radius: 5px;
}

/* Animation bật side-bar ra khi di chuột vào */
.side-bar:hover{
    width: 200px;
    transition: .5s;
    border-radius: 0;
}

/* Animation thu side-bar lại khi di chuột ra */
.side-bar:not(:hover){
    transition: .4s;
}

/* Set thanh bar dưới thẻ a và hiệu ứng bật ra */
a::after{
    content: "";
    position: absolute;
    width: 100%;
    height: 1px;
    background-color: white;
    bottom: 0;
    left: 0;
    margin-top: 5px;
    visibility: hidden;
    transition: .4s;
}

/* Set animation hiển thị thẻ div và thanh bar bên dưới khi rê chuột vào */
.side-bar:hover div a::after{
    visibility: visible; /*thuộc tính hiển thị thanh bar và*/
    transition: .4s;
}

/* Set animation hiển thị màu back-ground kế bên side-bar khi di chuột vào */
div:hover{
    background-color: rgb(40,39,39);
}

/* Set animation thanh bar bên dưới chuyển màu khi di chuột vào */
div:hover > a::after{
    background-color: aqua;
}
```

Trước khi di chuột vào

Sau khi di chuột vào

Bài 2

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Drop Down Menu</title>
    <link rel="stylesheet" href="stylenangcao2.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css">
</head>
<body>
    <div class="container">
        <section class="menu">
            <p>Menu</p>
        </section>
        <section class="drop-down">
            <div>
                <span>Home</span>
            </div>
            <div>
                <span>About</span>
            </div>
            <div>
                <span>Services</span>
            </div>
            <div>
                <span>Contact</span>
            </div>
            <div>
                <span>Infomation</span>
            </div>
        </section>
    </div>
</body>
</html>
```
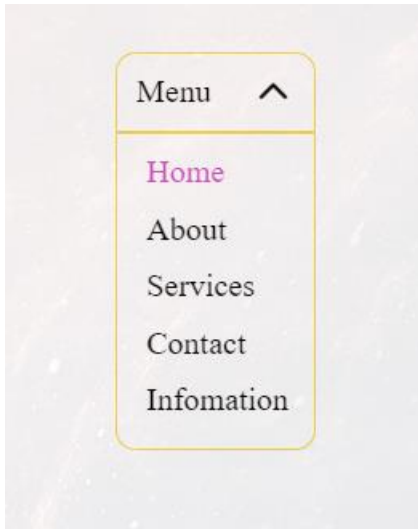
```css
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

/* Căn ra giữa */
body{
    height: 100vh;
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
}

/* Set cấu hình thanh menu */
.menu{
    border: 1px solid gold;
    padding: 10px;
    width: 100px;
    border-radius: 10px;
    position: relative;
}

/* Set cấu hình icon mũi tên xuống */
p::after{
    font-family: 'fontawesome';
    content: '\f078';
    position: absolute;
    right: 12px;
    top: 11px;
    transition: .5s;
}

/* Set cấu hình menu thả xuống */
.drop-down{
    border: 1px solid gold;
    width: 100px;
    padding: 5px;
    padding-top: 10px;
    display: none; /*tắt hiển thị khung menu thả xuống*/
    transition: .5s;
}

/* Set cấu hình từng khung div (các option)*/
.drop-down > div{
    margin-bottom: 10px;
    transition: .5s;
    cursor: pointer;
}

span{
    margin-left: 10px;
}

/* Set animation menu thả xuống khi di chuột vào */
.container:hover .drop-down{
    transition: .5s;
    display: block;
}

/* Set cấu hình icon mũi tên lên khi di chuột vào */
.container:hover p::after{
    font-family: 'fontawesome';
    content: "\f077";
    position: absolute;
    right: 12px;
    top: 11px;
    transition: .5s;
}

/* Set bo góc menu khi di chuột vào */
.container:hover .menu{
    border-radius: 10px 10px 0 0;
}

/* Set bo góc menu thả xuống khi di chuột vào */
.container:hover .drop-down{
    border-radius: 0 0 10px 10px;
}

/* Set màu chữ các option của menu thả xuống khi di chuột vào */
.drop-down > div:hover > span{
    color: rgb(233, 60, 204);
}
```

Trước khi di chuột vào

Sau khi di chuột vào

CSS Nâng Cao

Leage of legend

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>LOL</title>
    <link rel="stylesheet" href="styleLOL.css">
</head>
<body>
    <div class="container">
        <div class="card">
            <h2>Jinx</h2>
            <p>A manic and impulsive criminal from Zaun Crest.</p>
            <span>Hover here</span>
            <div class="pic"></div>
            <button></button>
        </div>
        <div class="card card2">
            <h2>Yasuo</h2>
            <p>An Ionian of deep resolve, Yasuo is an agile swordsman.</p>
            <span>Hover here</span>
            <div class="pic"></div>
            <button></button>
        </div>
    </div>
</body>
</html>
```

```css
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

/* Set cấu hình container */
.container{
    width: 100%;
    height: 100%;
    display: flex;
    justify-content: center;
    align-items: center;
    flex-direction: column;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%,-50%);
    background-color: #dcf8f8;
}

/* Set cấu hình 2 card */
.container .card {
    position: relative;
    width: 500px;
    height: 230px;
    padding: 15px;
    background: linear-gradient(60deg, #151516 0%, #1d2229 100%);
    overflow: hidden;
    margin-bottom: 15px;
    border-radius: 20px;
    box-shadow: 0 0 15px rgba(0, 0, 0, 0.3);
}

/* Set cấu hình thẻ h2 */
.container .card h2 {
    z-index: 99;
    position: absolute;
    bottom: 25px;
    right: 130px;
    font-size: 50px;
    font-weight: 700;
    color: #FFF;
    pointer-events: none;
    transition: 0.2s ease;
    text-shadow: e 0 15px rgba(0, 0, 0, 0.5);
}

/* Set cấu hình thẻ p */
.container .card p {
    z-index: 99;
    position: absolute;
    bottom: 30px;
    right: 130px;
    width: 150px;
    color: #fff;
    opacity: 0;
    font-size: 12px;
    text-align: right;
    letter-spacing: 1px;
    transition: 0.2s ease;
}

/* Set cấu hình thẻ span */
.container .card span {
    z-index: 99;
    position: absolute;
    top: 60px;
    right: 35px;
    color: #fff;
    font-size: 12px;
    letter-spacing: 1px;
    writing-mode: vertical-lr;
    transition: 0.2s ease;
    opacity: 0.7;
}

/* Set cấu hình class pic và animation */
.container .card .pic {
    z-index: 100;
    width: 395px;
    height: 200px;
    background-image: url("./image/jinx.jpg");
    background-size: cover;
    border-radius: 12px;
    filter: grayscale(100%);
    transition: 0.3s ease;
}

/* Set cấu hình thẻ button và animation */
.container .card button {
    position: absolute;
    right: 30px;
    bottom: 40px;
    width: 30px;
    height: 30px;
    background-color: #772a9b;
    border: none;
    border-radius: 30px;
    cursor: pointer;
    outline: none;
    opacity: 1;
    transition: 0.3s ease;
}

/* Set animation button khi card được rê chuột vào */
.container .card:hover button {
    transform: scale(16.5);
    opacity: 0.5;
}

/* Set animation h2 khi card được rê chuột vào */
.container .card:hover h2 {
    bottom: 80px;
    right: 50px;
}

/* Set animation p khi card được rê chuột vào */
.container .card:hover p {
    opacity: 1;
    right: 60px;
}

/* Set animation span khi card được rê chuột vào */
.container .card:hover span {
    opacity: 0;
    top: 80px;
}

/* Set animation class pic khi card được rê chuột vào */
.container .card:hover .pic {
    filter: grayscale(0);
    width: 470px;
}

/* Set cấu hình class pic của card 2 */
.container .card2 .pic {
    background-image: url("./image/yasuo.jpg");
    transition: 0.3s ease;
}

/* Set cấu hình thẻ button của card 2 */
.container .card2 button {
    background-color: #899dc7;
}
```

Jinx

Yasuo

Menu Responsive

```html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>Menu Responsive</title>
7    <link rel="stylesheet" href="styleMN-Responsive.css">
8  </head>
9  <body>
10   <div class="navbar">
11     <div class="menu-icon" id="menu-icon">
12       <div class="bar"></div>
13       <div class="bar"></div>
14       <div class="bar"></div>
15     </div>
16     <ul class="menu" id="menu">
17       <li><a href="#">Home</a></li>
18       <li><a href="#">About</a></li>
19       <li><a href="#">Services</a></li>
20       <li><a href="#">Portfolio</a></li>
21       <li><a href="#">Contact</a></li>
22     </ul>
23   </div>
24   <script>
25     const menuIcon = document.getElementById("menu-icon");
26      const menu = document.getElementById("menu");
27
28
29     menuIcon.addEventListener("click", () => {
30        menu.classList.toggle("active");
31        menuIcon.classList.toggle("active");
32     });
33   </script>
34  </body>
35  </html>
```
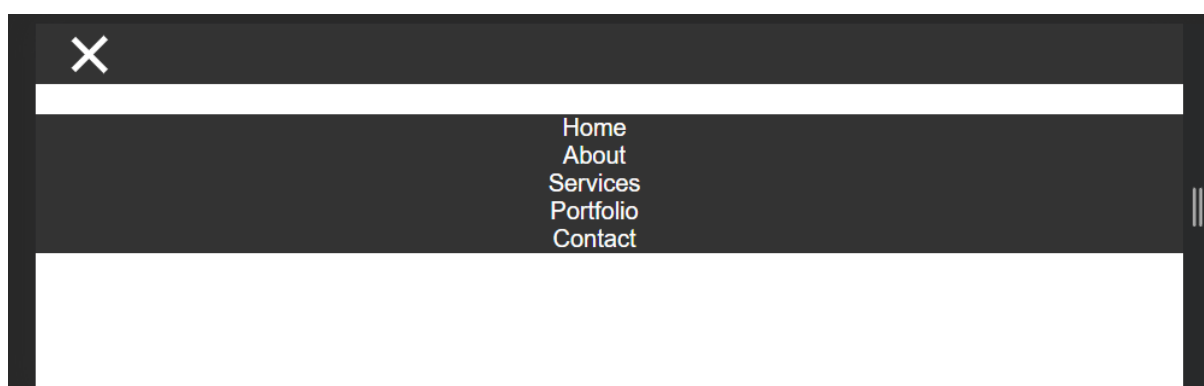
```css
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body{
    font-family: Arial, sans-serif;
    margin: 0;
}

.navbar{
    background-color: #333;
    display: flex;
    align-items: center;
    justify-content: space-between;
    padding: 10px 20px;
}

.menu{
    list-style-type: none;
    margin: 0;
    padding: 0;
    display: flex;
}

.menu li{
    margin-right: 20px;
}

.menu a{
    text-decoration: none;
    color: #fff;
}

.menu-icon{
    cursor: pointer;
    display: none;
    flex-direction: column;
    justify-content: space-between;
    width: 30px;
    height: 20px;
}

.bar{
    background-color: #fff;
    width: 100%;
    height: 4px;
    transition: .4s;
}

@media screen and (max-width: 768px){
    .menu{
        display: none;
        flex-direction: column;
        align-items: center;
        text-align: center;
        background-color: #333;
        position: absolute;
        top: 60px;
        left: 0;
        right: 0;
        z-index: 1;
    }

    .menu.active{
        display: flex;
    }

    .menu-icon{
        display: flex;
    }

    .menu-icon.active .bar:nth-child(1){
        transform: rotate(-45deg) translate(-5px, 6px);
    }

    .menu-icon.active .bar:nth-child(2){
        opacity: 0;
    }

    .menu-icon.active .bar:nth-child(3){
        transform: rotate(45deg) translate(-5px, -6px);
    }
}
```

Home About Services Portfolio Contact

Home
About
Services
Portfolio
Contact

Skeleton Loading

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Skeleton Loading</title>
    <link rel="stylesheet" href="styleSLT-Load.css">
</head>
<body>
    <div class="post">
        <div class="avatar"></div>
        <div class="line"></div>
        <div class="line"></div>
     </div>
    <div class="post">
        <div class="avatar"></div>
        <div class="line"></div>
        <div class="line"></div>
    </div>
    <div class="post">
        <div class="avatar"></div>
        <div class="line"></div>
        <div class="line"></div>
     </div>

</body>
</html>
```

```css
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    margin: 0;
    height: 100vh;
    display: flex;
    flex-direction: column;
    justify-content: center;
    align-items: center;
}

.post{
    width: 220px;
    height: 80px;
}

.avatar{
  float: left;
  width: 52px;
  height: 52px;
  background-color: #ccc;
  border-radius: 25%;
  margin: 8px;
  background-image: linear-gradient(90deg, #ddd 0px, #e8e8e8 40px,#ddd 80px);
  background-size: 600px;
  animation: shine-avatar 1.6s infinite linear;
}

.line{
  float: left;
  width: 140px;
  height: 16px;
  margin-top: 12px;
  border-radius: 7px;
  background-image: linear-gradient(90deg, #ddd 0px, #e8e8e8 40px,#ddd 80px);
  background-size: 600px;
  animation: shine-lines 1.6s infinite linear;
}

.avatar + .line {
    margin-top: 11px;
    width: 100px;
}

.line ~ .line {
    background-color: #ddd;
}

@keyframes shine-lines{
  0% {
    background-position: -100px;
  }

  40%,
  100%{
    background-position: 140px;
  }
}

@keyframes shine-avatar {
    0% {
      background-position: -32px;
    }

  40%,
  100%{
    background-position: 208px;
  }
}
```