



**Department of Information Technology
And Communication**



Internet Programming

Lecture : HOK Tin

Assignment: TP04

Name : PEOU SOKLEANG

ID : e20190770

GROUP : I4-GIC (B)



Git URL: <https://github.com/PEOUSOKLEANG/Internet-Programming->

EX1

CODE

```
<title>Tab</title>
<script src="https://cdn.tailwindcss.com"></script>
<style>
  .wrapper-shadow{
    box-shadow: 0.4rem 0.4rem 0.6rem #rgb(159, 159, 159);
  }
</style>
</head>

body class=" flex justify-center pt-10">
  <div class="h-[50rem] min-w-[20rem] w-[40rem] px-8 pt-16 border-[0.4rem] bg-gray-200 border-black overflow-auto wrapper-shadow">
    <div class=" mb-14">
      <strong class="flex justify-center text-3xl">About</strong>
      <p class="flex justify-center"> Lorem ipsum Magnam sint consequuntur quibusdam, laudantium</p>
    </div>

    <div id="tab" class=" h-14 flex flex-row flex-grow justify-around mt-6">
      <button id="historyTab" class=" h-full w-full rounded-tl-lg text-[1.2rem] font-semibold bg-white"
        onclick="OpenTab('history', this)">History</button>
      <button id="visionTab" class=" h-full w-full text-[1.2rem] font-semibold bg-gray-300" onclick="OpenTab('vision', this)">
      <button id="goalsTab" class=" h-full w-full rounded-tr-lg text-[1.2rem] font-semibold bg-gray-300"
        onclick="OpenTab('goals', this)">Goals</button>
    </div>
    <div id="history" class="p-6 rounded-b-lg bg-white">
      <strong class=" leading-[2.8rem]">History</strong>
      <p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Temporibus aliquid doloribus veniam, preferendis odit beatae
    </div>
    <div id="vision" class="p-6 hidden rounded-b-lg bg-white">
      <strong class=" leading-[2.8rem]">Vision</strong>
      <p>Lorem ipsum dolor sit amet consectetur adipisicing elit.
        Ducimus, commodi alias? Quos cupiditate totam error mollitia magnam reprehenderit voluptatibus impedit eos
        natus perspiciatis, aliquam autem minus assumenda quis eveniet ratione?
      </p>
      <ul>
        <li>Item1</li>
      </ul>
    </div>
  </div>
</li></li>
```



```
<strong class="leading-[2.8rem]">Vision</strong>  
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit.  
    Ducimus, commodi alias? Quos cupiditate totam error mollitia magnam reprehenderit voluptatibus impedit eos  
    natus perspiciatis, aliquam autem minus assumenda quis eveniet ratione?  
</p>  
<ul>  
    <li>Item1</li>  
    <li>Item1</li>  
    <li>Item1</li>  
</ul>  
</div>  
<div id="goals" class="p-6 hidden rounded-b-lg bg-white">  
    <strong class="leading-[2.8rem]">Goals</strong>  
    <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit.  
        Quia distinctio quisquam minima sunt ad vitae at eius laudantium nemo quidem, fugiat reprehenderit itaque  
        cum in deleniti quis laborum recusandae similique. Lorem ipsum dolor sit amet consectetur adipisicing elit. At amet  
</p>  
</div>  
</div>
```

```
/script>  
  
function OpenTab(tabName, currentNode) {  
    document.getElementById("history").style.display = "none";  
    document.getElementById("vision").style.display = "none";  
    document.getElementById("goals").style.display = "none";  
    document.getElementById(tabName).style.display = "block";  
  
    let parent = document.getElementById("tab");  
    parent.children[0].style.backgroundColor = "rgb(209 213 219)";  
    parent.children[1].style.backgroundColor = "rgb(209 213 219)";  
    parent.children[2].style.backgroundColor = "rgb(209 213 219)";  
  
    currentNode.style.backgroundColor = "white";  
}  
  
</script>
```

OUTPUT

About

Lorem ipsum Magnam sint consequuntur quibusdam, laudantium



History

Vision

Goals

History

Lorem ipsum, dolor sit amet consectetur adipisicing elit. Temporibus aliquid doloribus veniam, perferendis odit beatae iusto facere dolor earum, ex iure ipsa unde voluptate laboriosam quaerat enim suscipit porro mollitia.



EX2

CODE

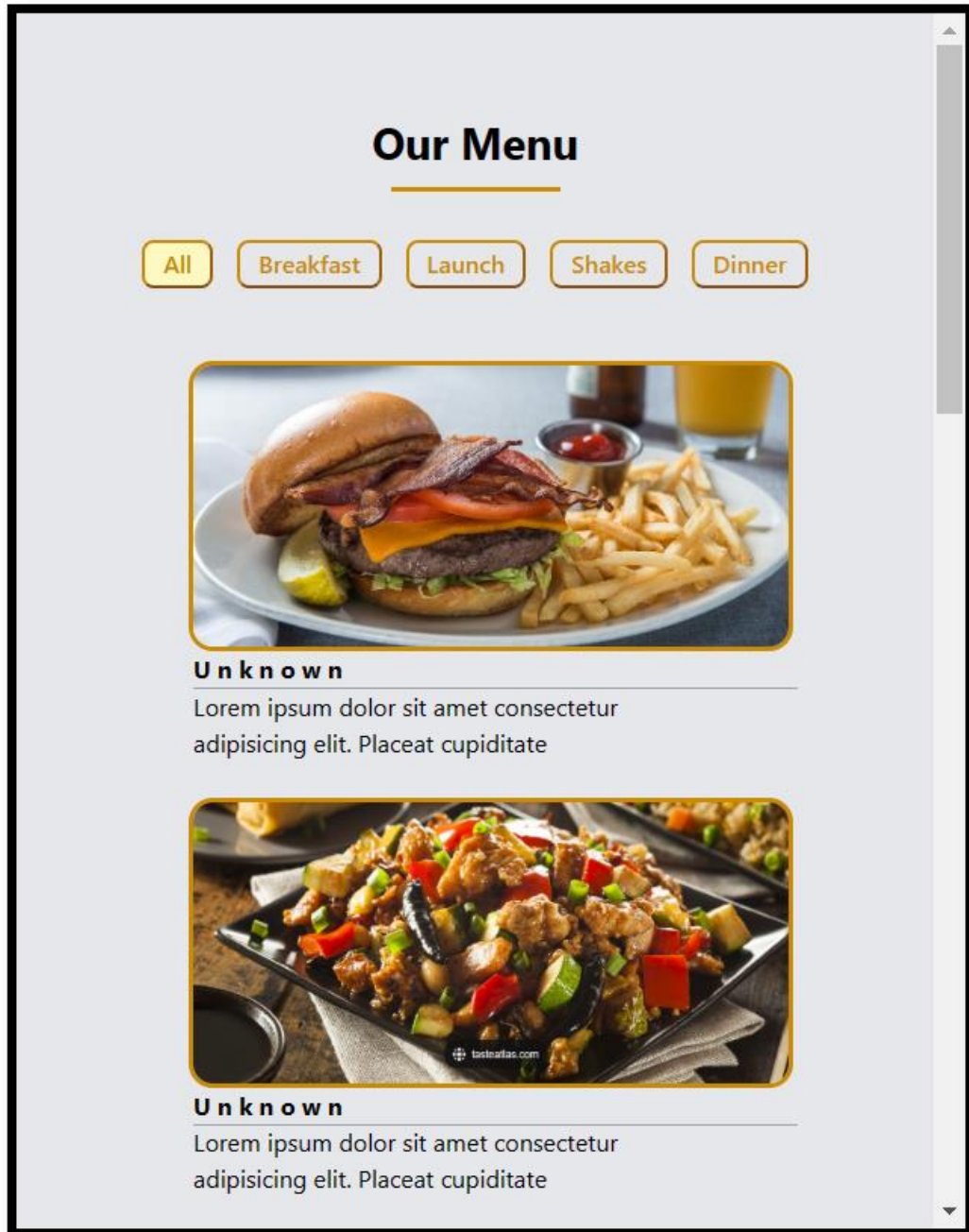
```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <title>Responsive Menu</title>
9   <style>
10     .wrapper-shadow {
11       box-shadow: 0.4rem 0.4rem 0.6rem #rgb(159, 159, 159);
12       background-color: #hsl(47, 100%, 50%);
13     }
14   </style>
15   <script src="https://cdn.tailwindcss.com"></script>
16 </head>
17
18 <body class="flex justify-center pt-10 m">
19   <div
20     class="h-[51rem] w-[40rem] px-8 pt-16 border-[0.4rem] bg-gray-200 border-black wrapper-shadow overflow-y-auto">
21     <div class="flex flex-col items-center gap-y-2">
22       <strong class="text-[1.8rem]">Our Menu</strong>
23       <div class="w-[7rem] border-b-[3px] border-yellow-600 "></div>
24       <br>
25     </div>
26
27     <div class="flex justify-center gap-x-4">
28       <button id="all" onclick="getListOffFood(this)"
29         class="text-yellow-600 font-[560] h-8 p-3 border-2 rounded-lg border-yellow-600 border-b-yellow-800 border-r-yellow-700 flex justify-center items-center bg-yellow-100">
30         All</button>
31       <button id="breakfast" onclick="getListOffFood(this)"
32         class="text-yellow-600 font-[560] h-8 p-3 border-2 rounded-lg border-yellow-600 border-b-yellow-800 border-r-yellow-700 flex justify-center items-center">
33         Breakfast</button>
34       <button id="launch" onclick="getListOffFood(this)"
35         class="text-yellow-600 font-[560] h-8 p-3 border-2 rounded-lg border-yellow-600 border-b-yellow-800 border-r-yellow-700 flex justify-center items-center">
36         Launch</button>
37       <button id="shake" onclick="getListOffFood(this)"
38         class="text-yellow-600 font-[560] h-8 p-3 border-2 rounded-lg border-yellow-600 border-b-yellow-800 border-r-yellow-700 flex justify-center items-center">
39         Shakes</button>
40       <button id="dinner" onclick="getListOffFood(this)"
41         class="text-yellow-600 font-[560] h-8 p-3 border-2 rounded-lg border-yellow-600 border-b-yellow-800 border-r-yellow-700 flex justify-center items-center">
42         Dinner</button>
43     </div>
44   <br>
45
46
47
48
49
50   <div id="breakfasts">
51     <div class="2xl:grid 2xl:justify-items-center pt-[1.5rem]">
52       <div class="pt-0 grid grid-cols-2 2xl:grid-cols-1 ">
53         <div
54           class="h-[8rem] w-[10rem] m-[1.5rem] border-[3px] rounded-2xl border-yellow-600 overflow-hidden 2xl:w-[25rem] 2xl:h-[12rem]">
55
```



```
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105


OUTPUT


```



EX3



CODE

```
<style>
  * {
    font-family: sans-serif;
  }
  .wrapper-shadow {
    box-shadow: 0.4rem 0.4rem 0.6rem #rgb(159, 159, 159);
    background-color: #hsl(47, 100%, 50%);
  }
</style>
<script src="https://cdn.tailwindcss.com"></script>
</head>
<body>
  <div class=" h-[100vh] w-full grid place-items-center ">
    <div class=" grid place-items-center min-h-[45rem] h-fit w-[30rem] px-8 py-[10rem] border-[0.4rem] bg-gray-200 border-black wrapper-shadow">
      <div class=" text-[4rem] font-bold text-[#00004d]">Counter</div>
      <div id="count" class=" text-[10rem] text-[#00802b]"></div>

      <div class="w-full flex justify-between">
        <button id="decrease" class=" border-2 rounded-sm py-[0.1rem] px-2 border-black"
          onclick="CountOperation(this)">DECREASE</button>
        <button id="reset" class=" border-2 rounded-sm py-[0.1rem] px-2 border-black"
          onclick="CountOperation(this)">RESET</button>
        <button id="increase" class=" border-2 rounded-sm py-[0.1rem] px-2 border-black"
          onclick="CountOperation(this)">INCREASE</button>
      </div>
    </div></div>
</div>

<script>
  class Counter {
    constructor(number) {
      this.number = number;
    }
    increase() {
      this.number++
    }
    decrease() {
      this.number -= 1;
    }
    reset() {
      this.number = 0;
    }
    getNum() {
      return this.number;
    }
  }

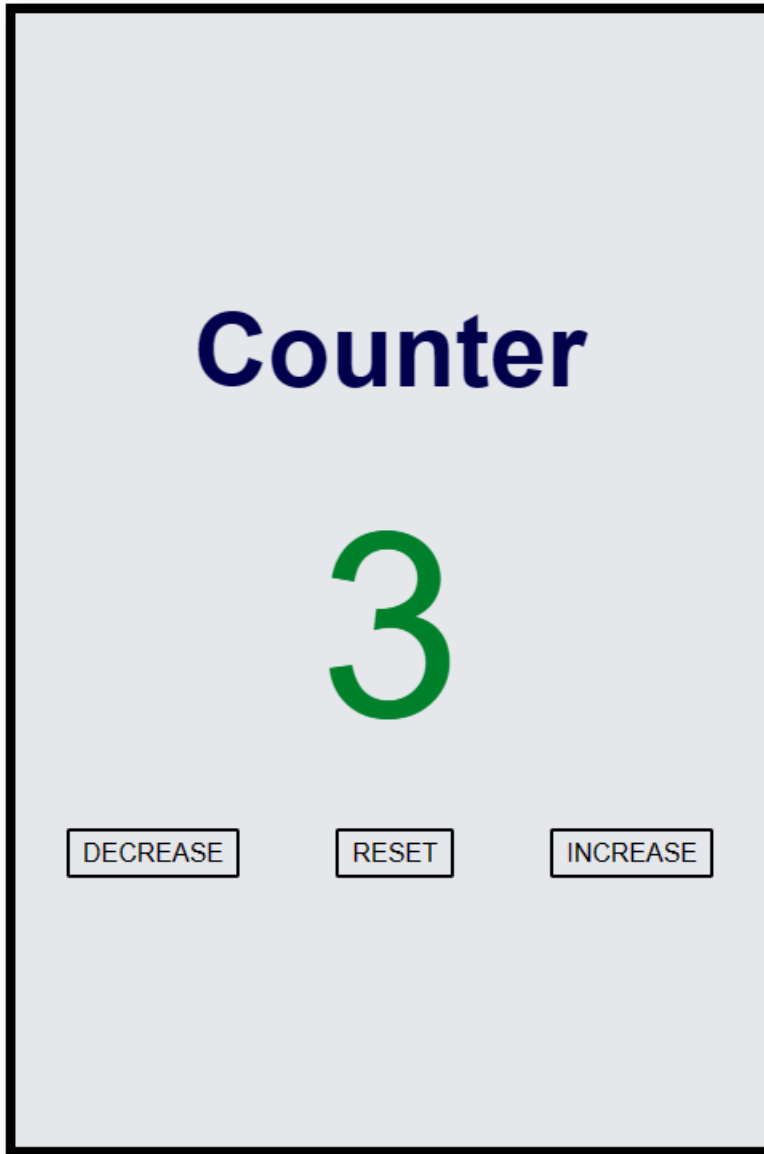
  (function lastCount() {
    let x = 0;
    if (localStorage.getItem("CoUnTeR") != null) x = localStorage.getItem("CoUnTeR");
    document.getElementById("count").innerHTML = x;
  })();
```




```
63     function CountOperation(buttonClicked) {
64         let parent = buttonClicked.parentNode;
65         parent.children[0].style.backgroundColor = "white"
66         parent.children[1].style.backgroundColor = "white"
67         parent.children[2].style.backgroundColor = "white"
68
69         parent.children[0].style.color = "black"
70         parent.children[1].style.color = "black"
71         parent.children[2].style.color = "black"
72
73         let counter = new Counter(localStorage.getItem("CoUnTeR"));
74         if (buttonClicked.id == "increase") counter.increase();
75         else if (buttonClicked.id == "reset") counter.reset();
76         else if (buttonClicked.id == "decrease") counter.decrease();
77         else return;
78
79         document.getElementById("count").innerHTML = counter.getNum();
80         localStorage.setItem("CoUnTeR", counter.getNum());
81
82         buttonClicked.style.backgroundColor = "black";
83         buttonClicked.style.color = "white";
84     }
85 </script>
86 </body>
87
88 </html>
```



OUTPUT





EX4

CODE

```
<script src="https://cdn.tailwindcss.com"></script>
<style>
  .myButton button{
    border: 1px solid;
    border-radius: 5px;
    padding: 0 8px;
  }
  .myButton button:hover{
    color: ■ white;
    background-color: □ black;
  }
  .content h3{
    color: ■ white;
    font-weight: bold;
    font-size: 3rem;
  }
  #colorCode{
    font-weight: bold;
    font-size: 3rem;
  }
</style>
</head>
<body>
  <div class="containerZ w-full min-h-screen bg-[#EEF2F6] p-5 flex justify-center">
    <div class="content text-center bg-white w-[80%]">
      <div class="text-left p-3">Random Color Generator</div>
      <div class="doGen h-[95%] pt-[6px]">
        <div class="blackBG bg-black text-white m-[6px]">
          <h3>Background Color :</h3>
          <p id="colorCode">##</p>
        </div>
        <div class="myButton">
          <button id="generate">GENERATE</button>
          <button id="reset">RESET</button>
        </div>
        <div class="genCon bg-white max-h-[60vh] overflow-auto p-2">
          <!-- List Color here -->
        </div>
      </div>
    </div>
  </div>

  <script>
    class Color {
      colorType = ''
      records = []
      constructor(type, records){
        this.colorType = type
      }
    }
  </script>
```



```
58 class Color {
59   colorType = ''
60   records = []
61   constructor(type, records){
62     this.colorType = type
63     if(records) this.records = records
64   }
65
66   generate(){
67     this.records.push(this.getRandomNumber())
68   }
69
70   getRandomNumber(){
71     return Math.floor(Math.random()*16777215).toString(16);
72   }
73
74   getRecords(){
75     return this.records
76   }
77
78   reset(){
79     return this.records = []
80   }
81 }
82
83 FetchAll = function () {
84   var data = '';
85
86   if (myColor.getRecords().length > 0) {
87     for (i = 0; i < myColor.getRecords().length; i++) {
88       data += `
89       <div class="w-[5.5rem] flex items-center justify-between">#${myColor.getRecords()[i]} <div class="bg-[#${myCol
90       `;
91       document.getElementById("colorCode").innerHTML = `#${myColor.getRecords()[i]}`
92       ChangeBG(myColor.getRecords()[i])
93     }
94   }
95   localStorage.setItem("generateColor", JSON.stringify(myColor.getRecords()));
96
97
98
99   return document.querySelector(".genCon").innerHTML = data;
100 };
101
102 ChangeBG = function (color){
103   document.getElementById("colorCode").style.color = "#" + color
104   document.querySelector(".doGen").style.backgroundColor = "#" + color
105 }
106
107 const getColors = localStorage.getItem("generateColor")
108 let myColor = new Color("hex", JSON.parse(getColors))
109 let genButton = document.getElementById('generate');
110 let resetButton = document.getElementById('reset');
```



```
111
112     genButton.addEventListener("click", function(){
113         myColor.generate()
114         FetchAll()
115     });
116
117     resetButton.addEventListener("click", function(){
118         document.getElementById("colorCode").innerHTML = ``
119         ChangeBG("ffffff")
120         myColor.reset()
121         FetchAll()
122     });
123
124     FetchAll();
125
126 </script>
127 </body>
128 </html>
```

OUTPUT

Random Color Generator

Background Color :
#a69a9a

GENERATE RESET

#f3006f

#6a3975

#838d03

#a06407

#3f6c81

#9a020b

#5e91e3

#6404ee

#813275

#a69a9a



EX5

CODE

```
<style>
  .navBar{
    box-shadow: 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px;
  }
  .menu{
    color: #2A3F6A;
    display: flex;
    gap: 15px;
  }
  #menuButton{
    display: none;
  }

  .line{
    width: 20px;
    height: 4px;
    background-color: #4C97DC;
    display: block;
    margin: 3px;
  }

  #myButton.is-active{
    transform: rotate(90deg);
  }
  #myButton.is-active .line{
    background-color: black;
  }

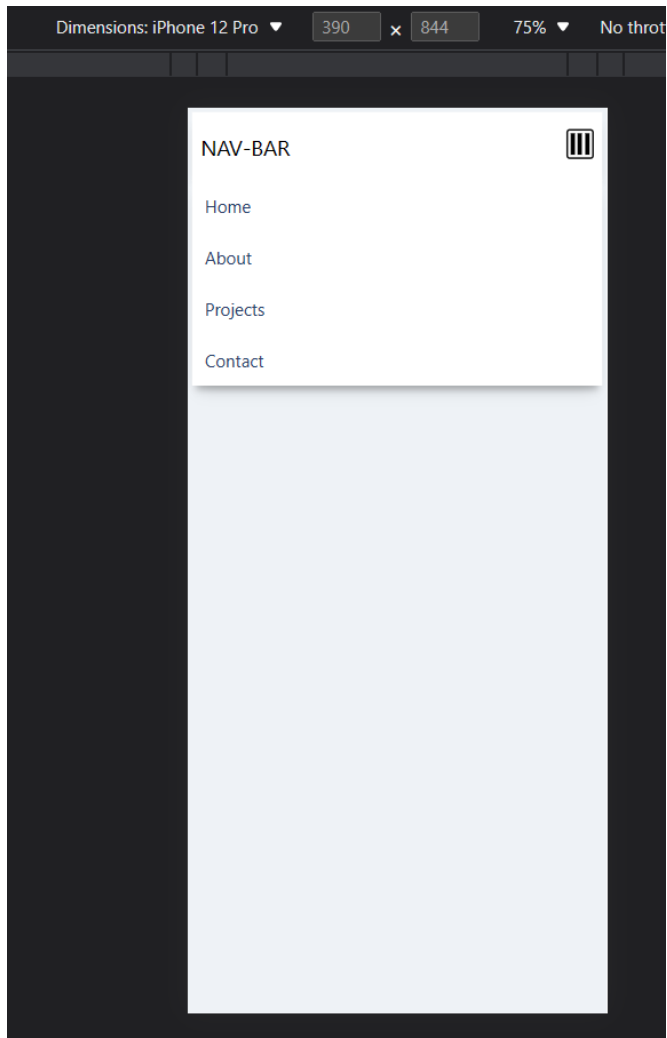
  @media only screen and (max-width:512px) {
    #menuButton{
      display: block;
      padding: 8px;
    }
    .menu, .linkLogo svg{
      display: none;
    }
    .menu.responsive {
      box-shadow: 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px 0px;
      background-color: white;
      position: absolute;
      width: 98vw;
      top: 67px;
      gap: 0px;
      display: flex;
      flex-direction: column;
      text-align: left;
    }
    .menu.responsive a{
      padding: 12px;
    }
    .menu.responsive a:hover{
      background-color: #4C97DC;
    }
  }
}
```



```
52     }
53
54     </style>
55 </head>
56 <body>
57     <div class="resize:both">
58         <div class="containerZ w-full min-h-screen bg-[#EEF2F6] p-1 flex justify-center">
59             <div class="navBar w-[98vw] h-[4rem] bg-[white] flex justify-between items-center">
60                 <div class="ml-2 text-xl">NAV-BAR</div>
61                 <div class="menu" id="myMenu">
62                     <a href="#">Home</a>
63                     <a href="#">About</a>
64                     <a href="#">Projects</a>
65                     <a href="#">Contact</a>
66                 </div>
67                 <div class="linkLogo flex gap-[0.9rem] mr-2">
68                     <svg class="w-[1.3rem] viewBox="0 0 512 512" xmlns="http://www.w3.org/2000/svg" fill-rule="evenodd" clip-rule="evenodd" stroke-linejoin="round" st
69                     <svg class="w-[1.3rem] viewBox="0 0 512 512" xmlns="http://www.w3.org/2000/svg" fill-rule="evenodd" clip-rule="evenodd" stroke-linejoin="round" st
70                     <svg class="w-[1.3rem] viewBox="0 0 512 512" xmlns="http://www.w3.org/2000/svg" fill-rule="evenodd" clip-rule="evenodd" stroke-linejoin="round" st
71                     <svg class="w-[1.3rem] version="1.0" viewBox="0 0 32 32" xmlns="http://www.w3.org/2000/svg"><path d="M32 30a2 2 0 0 1-2 2H2a2 2 0 0 1-2-2V2a2 2 0
72                     <svg class="w-[1.3rem] viewBox="0 0 512 512" xmlns="http://www.w3.org/2000/svg"><path d="M27.5 162.2 9 187.1h90.516 9-130.7-78.9 105.8zM396.3 45.7 267.7 321135.7 147.2
73                 </div>
74                 <div id="menuButton">
75                     <button class="hamburger" id="myButton" onclick="myFunction()">
76                         <span class="line"></span>
77                         <span class="line"></span>
78                         <span class="line"></span>
79                     </button>
80                 </div>
81             </div>
82         </div>
83     </div>
84
85     <script>
86
87         function myFunction() {
88             var x = document.getElementById("myMenu");
89             var y = document.getElementById("myButton");
90             if (x.className === "menu") {
91                 x.className += " responsive";
92                 y.className += " is-active";
93             } else {
94                 x.className = "menu";
95                 y.className = "hamburger";
96             }
97         }
98     </script>
99 </body>
```



OUTPUT





EX6

CODE

```
<title>Side Bar</title>
<Style>
*{
  box-sizing: border-box;
  font-family: sans-serif;
}
body{
  margin: 0;
  padding: 2rem;
}

.wrapper{
  height: 40rem;
  width: 60rem;
  min-width: 22rem;
  min-height: 20rem;
  padding: 0.4rem 0 1rem 0.7rem;
  border: 4px solid black;
  overflow: auto;
  resize: both;
  background-color: #ebebcb;
  box-shadow: 0.4rem 0.4rem 0.6rem rgb(159, 159, 159);

  display: flex;
  flex-direction: row-reverse;
  justify-content: start;
}

#move-button{
  height: 2rem;
  width: 2.2rem;
  margin: 2rem;
  transition: 0.5s;
}

#toggle-button{
  height: 100%;
  width: 100%;
  padding: 0.25rem;

  /* margin-left: auto; */
  display: flex;
  flex-direction: column;
  row-gap: 4px;
  /* transition: width 500ms ease; */
  /* display: none; */
}

.bar{
  height: 0.4rem;
  width: 100%;
}
```



```
.bar{
  height: 0.4rem;
  width: 100%;
  background-color: #005ce6;
}

#move-bar{
  width: 18rem;
  margin-left: -20rem;
  transition: 0.4s;
  margin-right: 2rem;
  z-index: 0;
}

nav{
  width: 18rem;
  height: 100%;
  background-color: #fff;
  display: flex;
  flex-direction: column;
  transition: width 500ms ease;
}

ul{
  list-style: none;
}

a{
  text-decoration: none;
  color: rgb(134, 134, 134);
}

.bar-wrapper{
  height: 4rem;
  width: 100%;
  padding: 1.2rem;
  display: flex;
  justify-content: space-between;
  align-items: center;
  /* background-color: green; */
}

.bar-wrapper div{
  font-size: 1.5rem;
  font-weight: 600;
}

.bar-wrapper a img{
  width: 1.3rem;
  height: 1.3rem;
}
```



```
.menu ul{
  margin-top: 0.4rem;
  padding: 0;
  display: flex;
  flex-direction: column;
}

.menu ul li a{
  display: flex;
  align-items: center;
  height: 3.2rem;
  padding-left: 1.2rem;
}

.menu ul li a:hover{
  background-color: #ebebfb;
  font-weight: bold;
  color: #0000ff;
}

.logo{
  margin-top: auto;
}

.logo ul{
  padding: 0;
  display: flex;
  flex-direction: row;
  justify-content: center;
  column-gap: 0.9rem;
}

.logo img{
  width: 1rem;
  height: 1rem;
}

</Style>
</head>
<body>
  <div class="wrapper">
    <div id="move-button">
      <a id="toggle-button" href="#">
        <span class="bar"></span>
        <span class="bar"></span>
        <span class="bar"></span>
      </a>
    </div>
    <div id="move-bar">
      <nav>
        <div class="bar-wrapper">
          <div>SIDE-BAR</div>
          <a id="cancel" href="#"></a>
        </div>
      </nav>
    </div>
  </div>
</body>
</html>
```



```
8      <div class="bar-wrapper">
9          <div>SIDE-BAR</div>
10         <a id="cancel" href="#"></a>
11     </div>
12     <div class="menu">
13         <ul>
14             <li><a href="#">Home</a></li>
15             <li><a href="#">About</a></li>
16             <li><a href="#">Projects</a></li>
17             <li><a href="#">Contact</a></li>
18         </ul>
19     </div>
20     <div class="logo">
21         <ul>
22             <li></li>
23             <li></li>
24             <li></li>
25             <li></li>
26             <li></li>
27         </ul>
28     </div>
29 </nav>
30 </div>
31 </div>
32 <script>
33     let toggleButton=document.getElementById("toggle-button");
34     let moveButton=document.getElementById("move-button");
35     let cancel=document.getElementById("cancel");
36     let navBar=document.getElementById("move-bar");
37     toggleButton.addEventListener("click", function(){
38         let wrapperWidth=document.querySelector(".wrapper").clientWidth;
39         moveButton.style.marginLeft=wrapperWidth-410+"px";
40         toggleButton.children[0].style.backgroundColor="#83a9e2"
41         toggleButton.children[1].style.backgroundColor="#83a9e2"
42         toggleButton.children[2].style.backgroundColor="#83a9e2"
43         navBar.style.marginLeft="0";
44     })
45
46     cancel.addEventListener("click", function(){
47         moveButton.style.marginLeft="2rem";
48         toggleButton.children[0].style.backgroundColor="#005ce6"
49         toggleButton.children[1].style.backgroundColor="#005ce6"
50         toggleButton.children[2].style.backgroundColor="#005ce6"
51         navBar.style.marginLeft="-20rem";
52     })
53 </script>
```



OUTPUT

