



Institute of Technology of Cambodia

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Subject : Internet Programming
Assignment : TP04 Exercises

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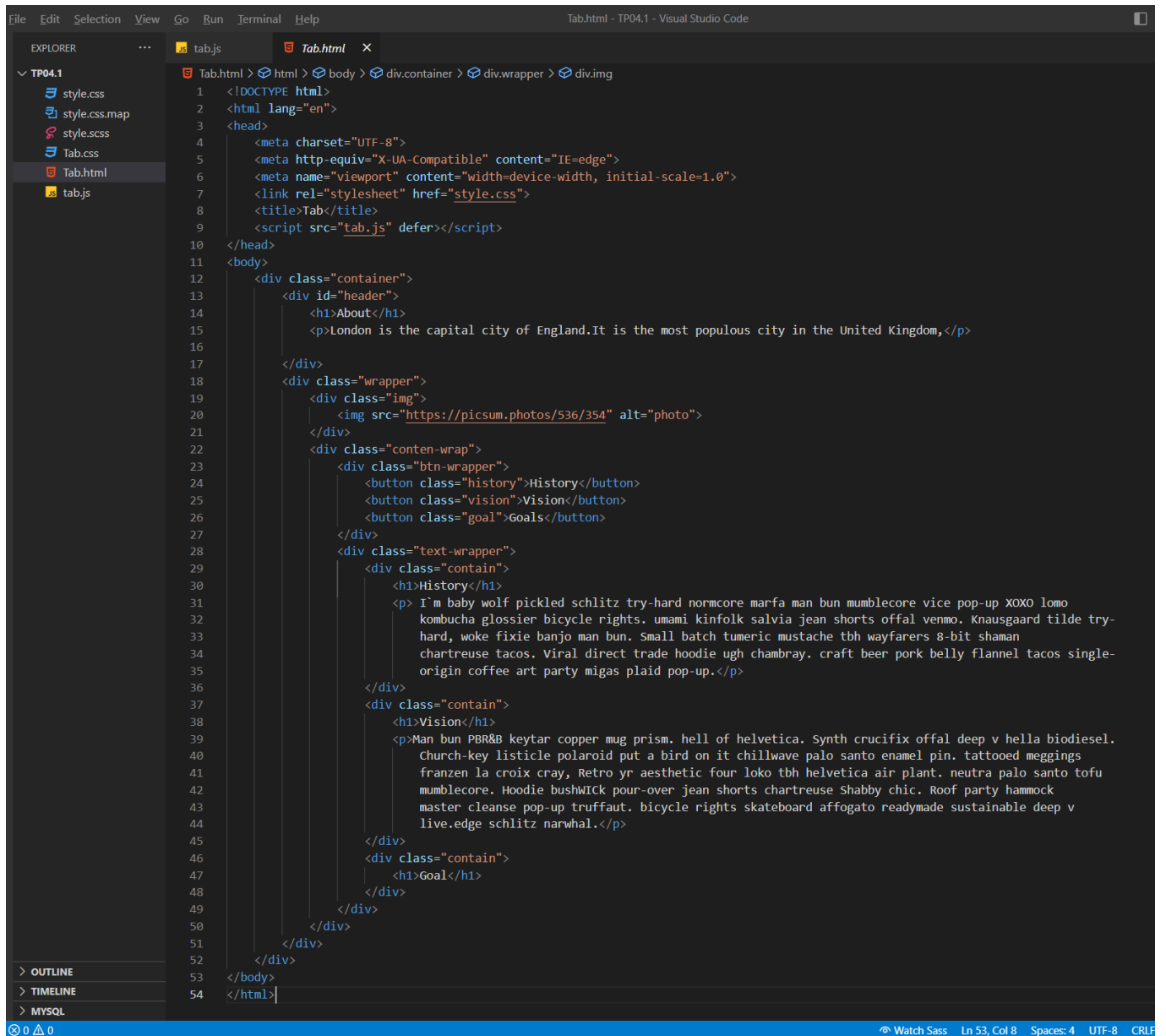
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Link : <https://github.com/thuenaratt/Internet-Programming/tree/main/TP04>

TP04.1 - TAB

Design following UI to have 3 tab



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <link rel="stylesheet" href="style.css">
8   <title>Tab</title>
9   <script src="tab.js" defer></script>
10 </head>
11 <body>
12   <div class="container">
13     <div id="header">
14       <h1>About</h1>
15       <p>London is the capital city of England.It is the most populous city in the United Kingdom,</p>
16     </div>
17     <div class="wrapper">
18       <div class="img">
19         
20       </div>
21       <div class="conten-wrap">
22         <div class="btn-wrapper">
23           <button class="history">History</button>
24           <button class="vision">Vision</button>
25           <button class="goal">Goals</button>
26         </div>
27         <div class="text-wrapper">
28           <div class="contain">
29             <h1>History</h1>
30             <p>I'm baby wolf pickled schlitz try-hard normcore marfa man bun mumblecore vice pop-up XOXO lomo
31             kombucha glossier bicycle rights. umami kinfolk salvia jean shorts offal venmo. Knausgaard tilde try-
32             hard, woke fixie banjo man bun. Small batch tumeric mustache tbh wayfarers 8-bit shaman
33             chartreuse tacos. Viral direct trade hoodie ugh chambray. craft beer pork belly flannel tacos single-
34             origin coffee art party migas plaid pop-up.</p>
35           </div>
36           <div class="contain">
37             <h1>Vision</h1>
38             <p>Man bun PBR&B keytar copper mug prism. hell of helvetica. Synth crucifix offal deep v hella biodiesel.
39             Church-key listicle polaroid put a bird on it chillwave palo santo enamel pin. tattooed meggings
40             franzen la croix cray, Retro yr aesthetic four loko tbh helvetica air plant. neutra palo santo tofu
41             mumblecore. Hoodie bushWICK pour-over jean shorts chartreuse Shabby chic. Roof party hammock
42             master cleanse pop-up truffaut. bicycle rights skateboard affogato readymade sustainable deep v
43             live.edge schlitz narwhal.</p>
44           </div>
45           <div class="contain">
46             <h1>Goal</h1>
47           </div>
48         </div>
49       </div>
50     </div>
51   </div>
52 </body>
53 </html>
```

```
1 @import url("https://fonts.googleapis.com/css2?family=Nunito:wght@200&display=swap");
2 :root {
3   --font:"Nunito", sans-serif ;
4 }
5
6 * {
7   margin: 0;
8   padding: 0;
9   box-sizing: border-box;
10  font-family: var(--font);
11 }
12
13 body {
14   width: 100%;
15   min-height: 100vh;
16 }
17 body .container {
18   width: 100%;
19   height: 100%;
20   display: flex;
21   justify-content: center;
22   align-items: center;
23   flex-direction: column;
24 }
25 body .container > div {
26   width: 100%;
27 }
28 body .container #header {
29   text-align: center;
30 }
31 body .container #header h1 {
32   font-size: 2rem;
33 }
34 body .container #header p {
35   font-size: 1.8rem;
36 }
37 body .container .wrapper {
38   padding: 7rem;
39   display: flex;
40   /*position: absolute;
41   left: 50%;
42   top: 50%;
43   transform: (-50%, -50%);*/
44 }
45 @media only screen and (max-width: 1000px) {
46   body .container .wrapper {
47     flex-direction: column;
48   }
49 }
50 body .container .wrapper > div {
51   width: 100%;
52   max-height: 50vh;
53 }
54 body .container .wrapper > div img {
55   width: 100%;
56   height: 100%;
57   -o-object-fit: 100%;
58   object-fit: 100%;
59 }
60 body .container .wrapper > div .img {
61   border-radius: 0.7rem;
62   overflow: hidden;
63   /*position: absolute;
64   left: 50%;
65   top: 50%;*/
66 }
67 body .container .wrapper > div .btn-wrapper {
68   width: 100%;
69   display: flex;
70 }
71 body .container .wrapper > div .btn-wrapper button {
72   width: 100%;
73   padding: 0.5rem 0.7rem;
74   border: none;
75   outline: none;
76 }
77 body .container .wrapper > div .conten-wrap {
78   background-color: #white;
79 }
80 body .container .wrapper > div .conten-wrap .btn-wrapper {
81   width: 100%;
82   display: flex;
83 }
84 body .container .wrapper > div .conten-wrap .btn-wrapper button {
85   width: 100%;
86   border: none;
87   outline: none;
88   background-color: #aliceblue;
89   font-size: 1.5rem;
90   padding: 0.5rem 0.7rem;
91   cursor: pointer;
92 }
93 body .container .wrapper > div .conten-wrap .btn-wrapper button.active {
94   background-color: #white;
95 }
96 body .container .wrapper > div .conten-wrap .btn-wrapper button:hover {
97   background-color: #antiquewhite;
98 }
99 body .container .wrapper > div .text-wrapper {
100  display: flex;
101  overflow: hidden;
102 }
103 body .container .wrapper > div .text-wrapper div {
104   min-width: 100%;
105   padding: 0.7rem;
106   transform: 250ms;
107   transform: translate(var(--transform-x-percen));
108 }
109 body .container .wrapper > div .text-wrapper_test {
110   font-size: 90;
111 }
112 /*# sourceMappingURL=style.css.map */
```

```

1  const history=document.querySelector(".history")
2  const vision=document.querySelector(".vision")
3  const goal=document.querySelector(".goal")
4  const content=document.querySelector(".text-wrapper")
5  // console.log(content.style.cssText);
6
7  const moveToHistory=()=>{
8    content.style.cssText="--transform-x-percen:0%;"
9    clearActive()
10   history.classList.add("active")
11 }
12 const moveToVision=()=>{
13   content.style.cssText="--transform-x-percen:-100%;"
14   clearActive()
15   vision.classList.add("active")
16 }
17 const moveToGoal=()=>{
18   content.style.cssText="--transform-x-percen:-200%;"
19   clearActive()
20   goal.classList.add("active")
21 }
22 history.addEventListener("click",moveToHistory)
23 vision.addEventListener("click",moveToVision)
24 goal.addEventListener("click",moveToGoal)
25 const clearActive=()=>{
26   if(history.classList.contains("active")){
27     history.classList.remove("active")
28   }
29   if(vision.classList.contains("active")){
30     vision.classList.remove("active")
31   }
32   if(goal.classList.contains("active")){
33     goal.classList.remove("active")
34   }
35 }
36

```

About

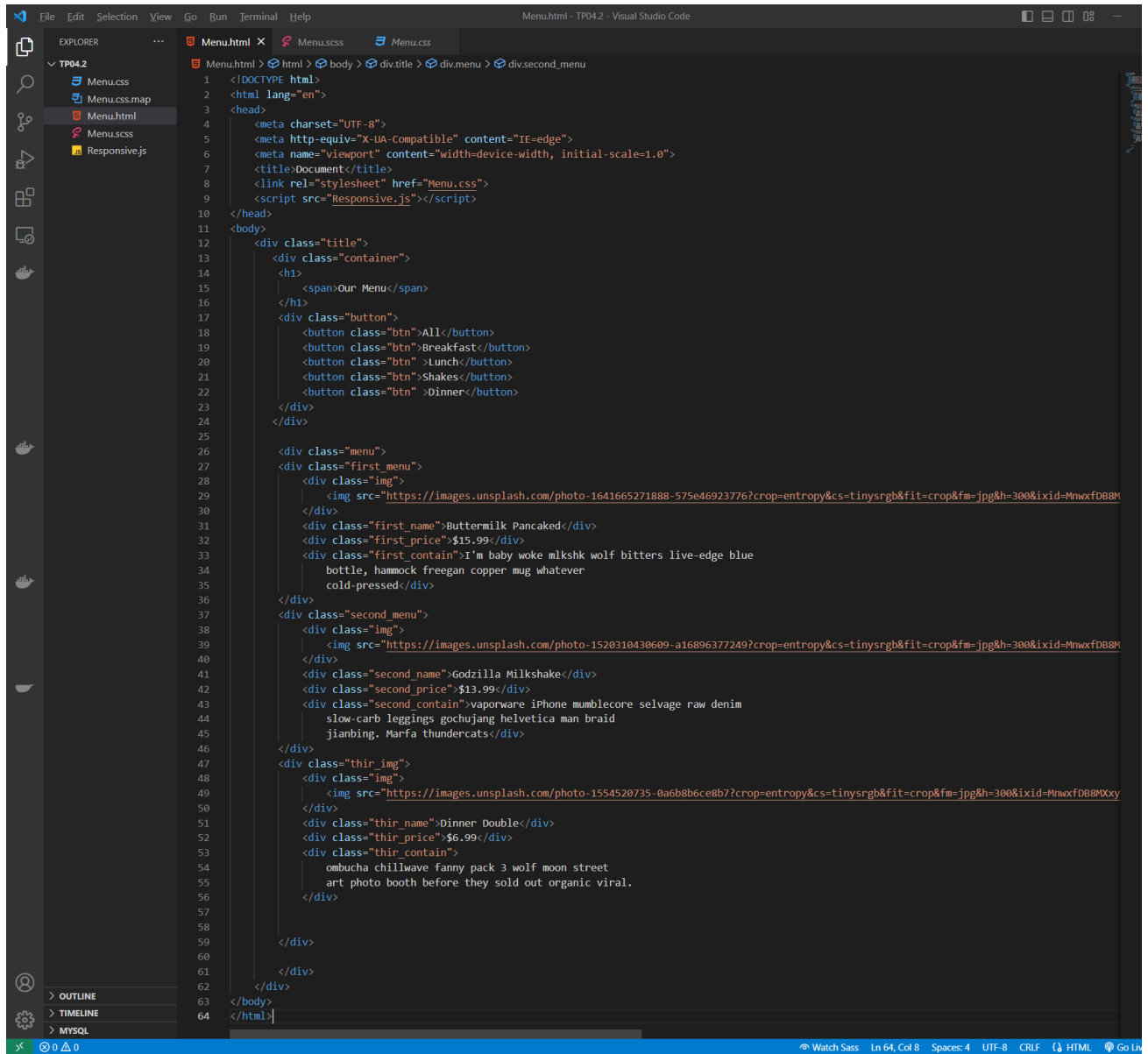
London is the capital city of England.It is the most populous city in the United Kingdom,



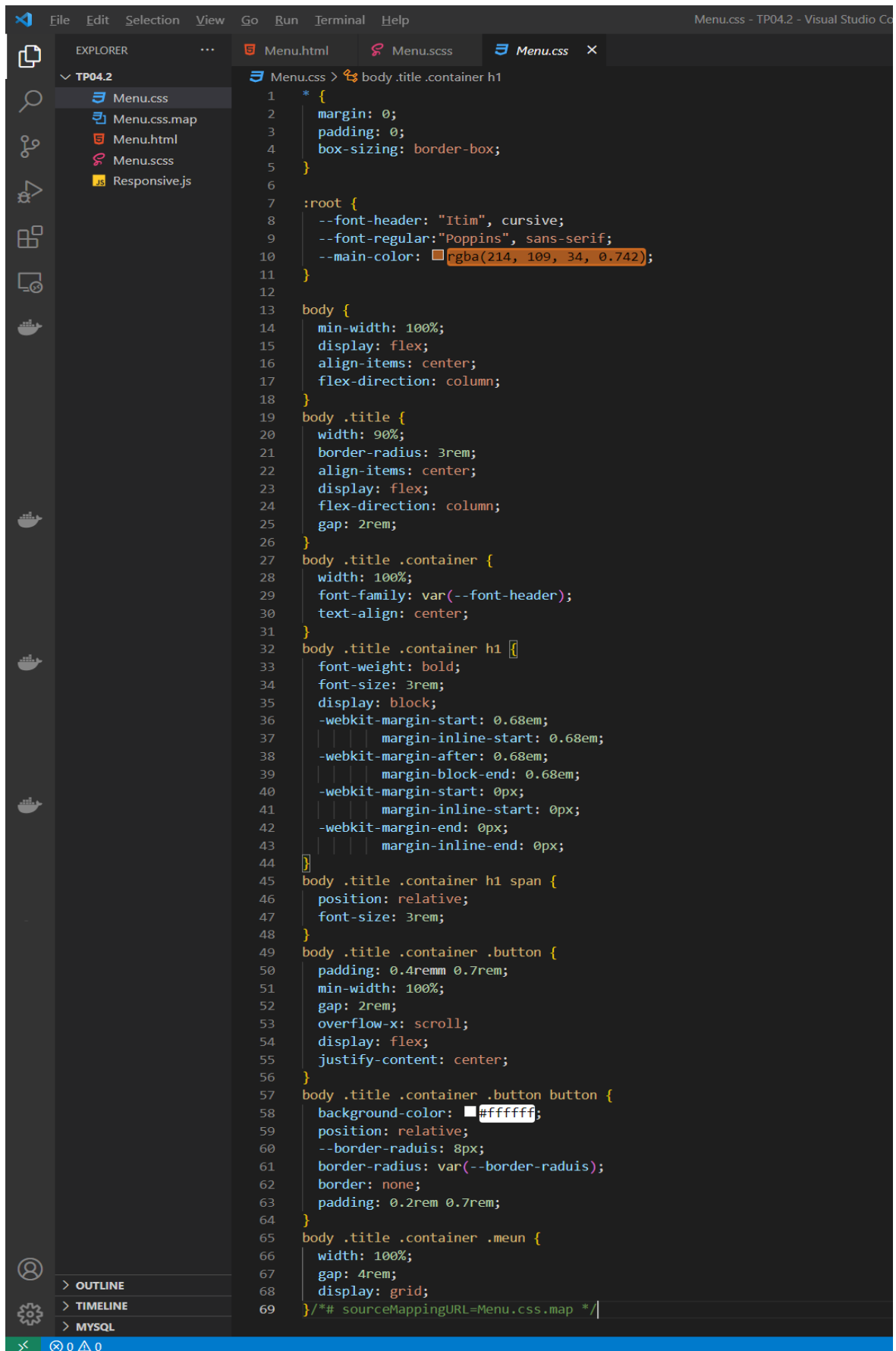
History	Vision	Goals
<h3>History</h3> <p>I'm baby wolf pickled schlitz try-hard normcore marfa man bun mumblecore vice pop-up XOXO lomo kombucha glossier bicycle rights. umami kinfolk salvia jean shorts offal venmo. Knausgaard tilde try- hard, woke fixie banjo man bun. Small batch tumeric mustache tbh wayfarers 8-bit shaman chartreuse tacos. Viral direct trade hoodie ugh chambray. craft beer pork belly flannel tacos single- origin coffee art party migas plaid pop-up.</p>		

TP04.2 - RESPONSIVE MENU

Design following responsive UI as following



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Document</title>
8   <link rel="stylesheet" href="Menu.css">
9   <script src="Responsive.js"></script>
10 </head>
11 <body>
12   <div class="title">
13     <div class="container">
14       <h1>
15         <span>Our Menu</span>
16       </h1>
17       <div class="button">
18         <button class="btn">All</button>
19         <button class="btn">Breakfast</button>
20         <button class="btn">Lunch</button>
21         <button class="btn">Shakes</button>
22         <button class="btn">Dinner</button>
23       </div>
24     </div>
25
26     <div class="menu">
27       <div class="first menu">
28         <div class="img">
29           
30         </div>
31         <div class="first_name">Buttermilk Pancaked</div>
32         <div class="first_price">$15.99</div>
33         <div class="first_contain">I'm baby woke mlkshk wolf bitters live-edge blue
34           bottle, hammock freegan copper mug whatever
35           cold-pressed</div>
36       </div>
37       <div class="second menu">
38         <div class="img">
39           
40         </div>
41         <div class="second_name">Godzilla Milkshake</div>
42         <div class="second_price">$13.99</div>
43         <div class="second_contain">vaporware iPhone mumblecore selvage raw denim
44           slow-carb leggings gochujang helvetica man braid
45           jianbing, Marfa thundercats</div>
46       </div>
47       <div class="third menu">
48         <div class="img">
49           
50         </div>
51         <div class="third_name">Dinner Double</div>
52         <div class="third_price">$6.99</div>
53         <div class="third_contain">
54           ombucha chillwave fanny pack 3 wolf moon street
55           art photo booth before they sold out organic viral.
56         </div>
57       </div>
58     </div>
59   </div>
60
61 </body>
62 </html>
```



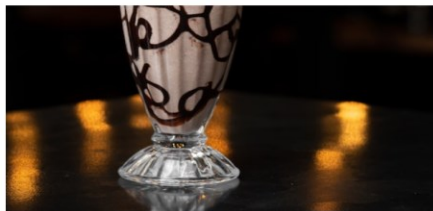
```

Responsive.js > ...
1  const ProductText=[
2    {
3      title:"Buttermilk Pancaked",
4      price:"$15.99",
5      description:"I'm baby woe mlkshk wolf bitters live-edge blue bottle,hammock freegan copper mug whatever cold-pressed"
6    },
7    {
8      title:"Dinner Double",
9      price:"$6.99",
10     description:"vaporware iPhone mumblecore selvage raw denim slow-carb leggings gochujang helvetica man braid jianbing Marfa thundercats"
11   },
12   {
13     title:"Godzilla Milkshake",
14     price:"$6.99",
15     description:"ombucha chillwave fanny pack 3 wolf moon street art photo booth before they sold out organic viral,"
16   },
17 ]
18
19 const pancake1=fetch("https://source.unsplash.com/random/500x300/?pancake-butter");
20 const milkshake1=fetch("https://source.unsplash.com/random/500x300/?milkshake");
21 const pancake2=fetch("https://source.unsplash.com/random/500x300/?pancake");
22
23 Promise.all([pancake1,burger1,milkshake1,pancake2,burger2,milkshake2]).then(data=>{
24   return Promise.all(data.map(r=>r.url))
25 }).then(datas=>{
26   let tmpHtml=""
27   let i=0;
28   datas.forEach(item=>{
29     tmpHtml+=`
30       <div class="menu">
31         <div class="img">
32           
33         </div>
34         <div class="infor">
35           <div class="name">${ProductText[i].title}</div>
36           <div class="price">${ProductText[i].price}</div>
37           <div class="description">${ProductText[i].description}</div>
38         </div>
39       `
40     i++
41   })
42   document.getElementById("products").innerHTML=tmpHtml
43 }.catch(err=>console.error(err))

```

Our Menu

[All](#)
[Breakfast](#)
[Lunch](#)
[Shakes](#)
[Dinner](#)



Buttermilk Pancaked
 \$15.99
 I'm baby woke mlkshk wolf bitters live-edge blue bottle, hammock freegan copper mug whatever cold-pressed



Godzilla Milkshake
 \$13.99
 vaporware iPhone mumblecore selvage raw denim slow-carb leggings gochujang helvetica man braid jianbing. Marfa thundercats



Dinner Double
 \$6.99
 ombucha chillwave fanny pack 3 wolf moon street art photo booth before they sold out organic viral.

TP04.3: COUNTER

Build a number counter app with Class/Object concept and local storage

```
Counter.html - TP04.3 - Visual Studio Code

Welcome Counter.html X Counter.scss JS coutner.js

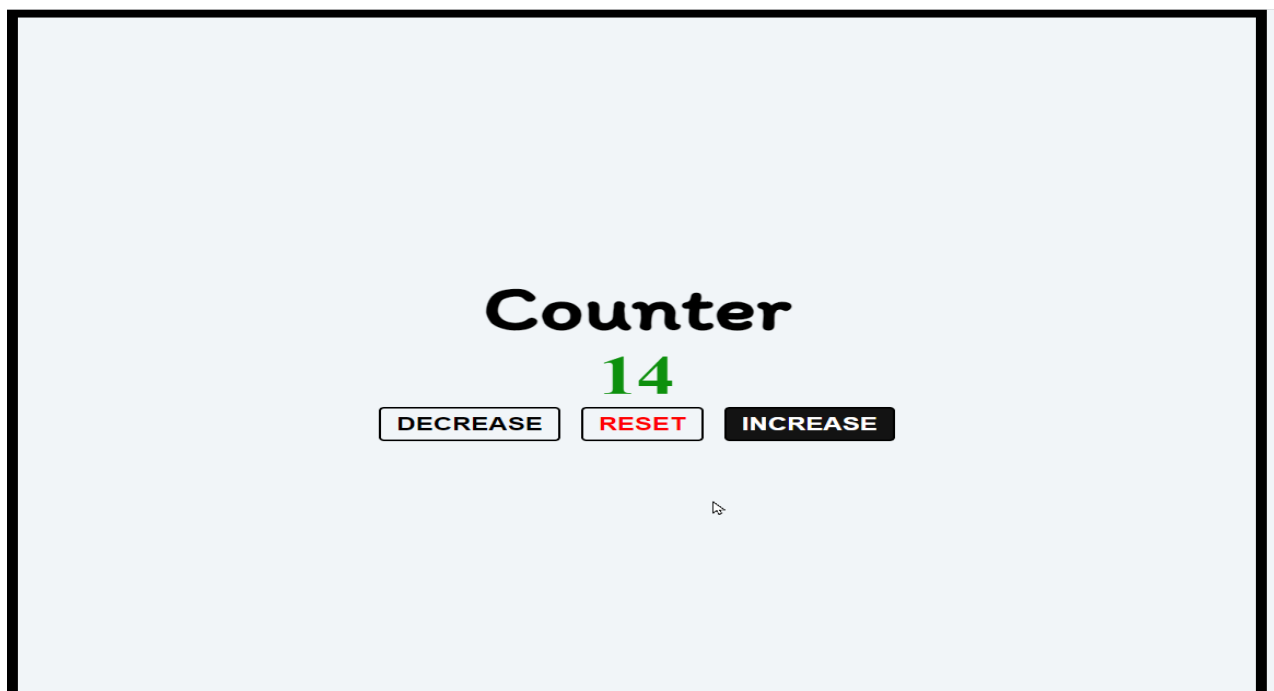
Counter.html > html > body > div.container > div.btn_wrapper
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <script src="coutner.js" defer></script>
8   <link rel="stylesheet" href="Counter.css">
9   <title>Counter</title>
10 </head>
11 <body>
12   <div class="container">
13     <header>
14       <h1>Counter</h1>
15     </header>
16     <h1 class="counter">0</h1>
17     <div class="btn_wrapper">
18       <button class="Decrease">DECREASE</button>
19       <button class="Reset">Reset</button>
20       <button class="Increase">INCREASE</button>
21     </div>
22   </div>
23 </body>
24 </html>
```

```

Counter.css > body
1  @import url("https://fonts.googleapis.com/css2?family=Itim&display=swap");
2  * {
3      margin: 0;
4      padding: 0;
5      box-sizing: border-box;
6  }
7
8  :root {
9      --font-main: "Itim", cursive;
10 }
11
12 body {
13     width: 100vw;
14     background-color: #f1f5f8;
15     display: flex;
16     justify-content: center;
17     align-items: center;
18 }
19 body .container {
20     display: flex;
21     justify-content: center;
22     border: 0.5rem solid black;
23     align-items: center;
24     flex-direction: column;
25     width: 60%;
26     min-height: 100vh;
27     background-color: transparent;
28 }
29
30 @media only screen and (max-width: 600px) {
31     body .container {
32         border-radius: 4px;
33         padding: 0.3rem 0.7rem;
34         text-transform: uppercase;
35         cursor: pointer;
36         transition: 250ms;
37         font-weight: bold;
38         font-size: 1.2rem;
39     }
40 }
41
42 @media only screen and (max-width: 600px) {
43     body .container .btn_wrapper button {
44         font-size: 0.9rem;
45     }
46 }
47
48 body .container .btn_wrapper button.Increase {
49     background-color: #131313;
50     color: white;
51 }
52
53 body .container .btn_wrapper button.Increase:hover {
54     background-color: transparent;
55     color: black;
56 }
57
58 body .container .btn_wrapper button.Reset {
59     color: red;
60 }
61
62 body .container .btn_wrapper button.Reset:hover {
63     background-color: red;
64     color: white;
65 }
66
67 body .container .btn_wrapper button:hover {
68     background-color: #1b1b1b;
69     color: white;
70 }
71
72 /*# sourceMappingURL=Counter.css.map */

```

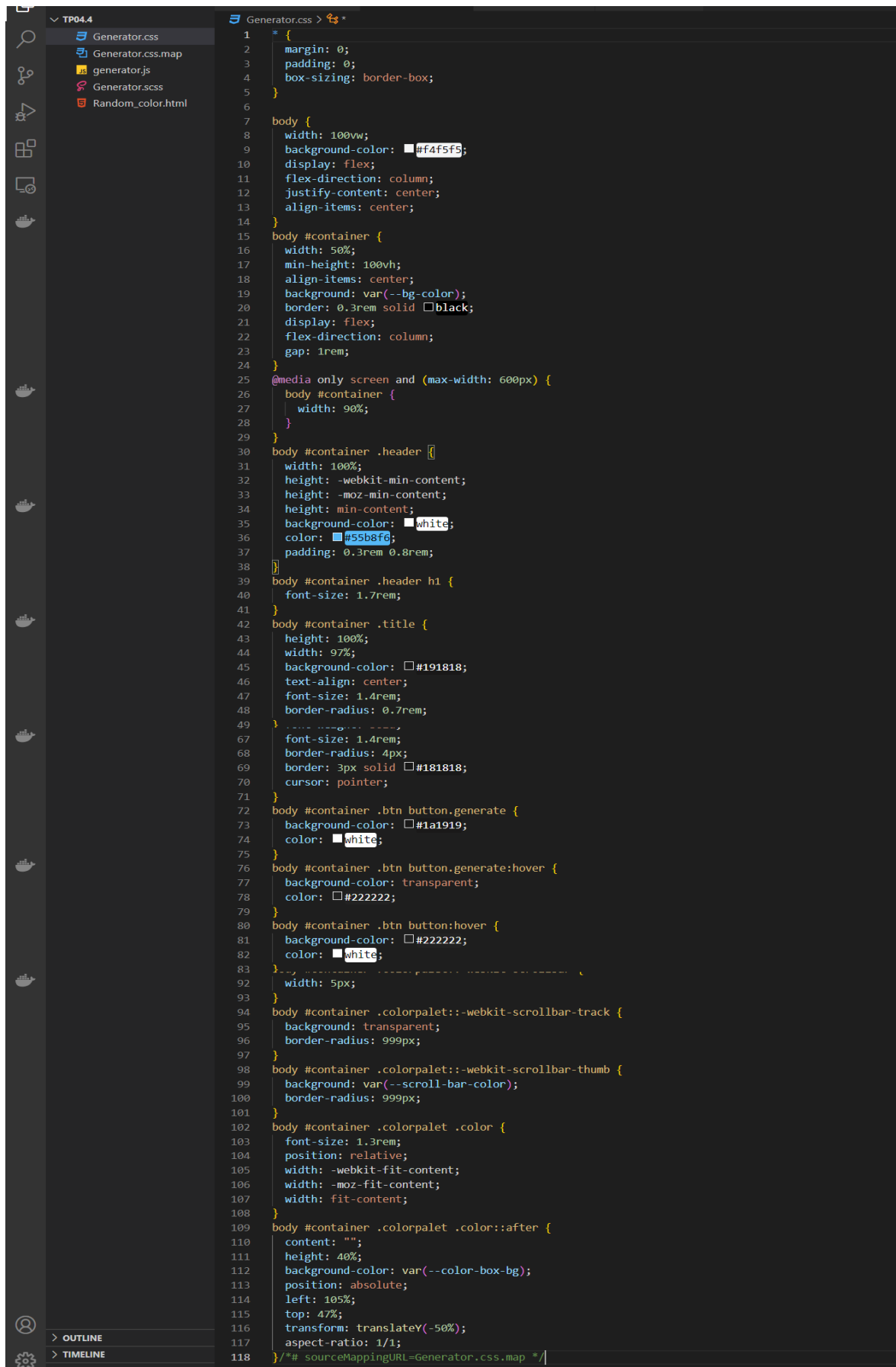
```
Counter.html Counter.css Counter.scss coutner.js x
coutner.js > Counter > reset
1 class Counter{
2   constructor(number){
3     this.number=number!=null || number!=undefined ?number:0;
4     document.querySelector(".counter").innerText=this.number;
5   }
6   increase(){
7     this.number++;
8     this.update()
9   }
10  decrease(){
11    this.number>0 ?this.number--:this.number=0;
12    this.update()
13  }
14  reset(){
15    this.number=0;
16    this.update()
17  }
18  update(){
19    document.querySelector(".counter").innerText=this.number;
20    this.save()
21  }
22  save(){
23    window.localStorage.setItem("num",this.number)
24  }
25 }
26
27 let counter=new Counter(window.localStorage.getItem("num")!=null?window.localStorage.getItem("num"):0);
28 document.querySelector(".Decrease").addEventListener("click",()=>{
29   counter.decrease();
30 })
31 document.querySelector(".Reset").addEventListener("click",()=>{
32   counter.reset();
33 })
34 document.querySelector(".Increase").addEventListener("click",()=>{
35   counter.increase();
36 })
37
```



TP04.4: RANDOM COLOR GENERATOR

Build a color generator app with Class/Object concept with local storage

```
Random_color.html X Generator.scss JS generator.js
Random_color.html > html > body > div#container
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <script src="generator.js" defer></script>
8   <link rel="stylesheet" href="Generator.css">
9   <title>Random color generator</title>
10 </head>
11 <body>
12   <div id="container" style="--bg-color:transparent;">
13     <div class="header">
14       <h1>Random Color Generator</h1>
15     </div>
16     <div class="title">
17       <h1>
18         Background Color:
19         <br>
20         <span class="colorCode">&nbsp;</span>
21       </h1>
22     </div>
23     <div class="btn">
24       <button class="generate">Generate</button>
25       <button class="reset">Reset</button>
26     </div>
27     <div class="colorpalet" style="--scroll-bar-color:#3336FB">
28
29   </div>
30 </div>
31 </body>
32 </html>
```



```

generator.js > ColorRand > generate
1  class ColorRand{
2      constructor(){
3          this.colorType="Hex";
4          this.record=this.getRecord();
5          this.lastestColor=this.record!=[]?this.record[this.record.length-1]:" ";
6          if(this.lastestColor!=" " && this.lastestColor!=null && this.lastestColor!=undefined){
7              this.update()
8          }
9      }
10     generate(){
11         const hexValue=[1,2,3,4,5,6,7,8,9, 'A', 'B', 'C', 'D', 'E', 'F'];
12         var hexColor='#';
13         for (let i=0;i<6;i++){
14             var index=Math.floor(Math.random()*hexValue.length);
15             hexColor+=hexValue[index];
16         }
17         this.lastestColor=hexColor
18         this.update()
19         this.save()
20     }
21     getRecord(){
22         return window.localStorage.getItem("colorRecord")!=null?JSON.parse(window.localStorage.getItem("colorRecord")):[];
23     }
24     reset(){
25         this.record=[];
26         this.lastestColor="&nbsp;";
27         document.querySelector(".colorpalet").innerHTML=""
28         document.querySelector(".colorpalet").style.cssText='--scroll-bar-color:transparent';
29         document.querySelector("#container").style.cssText='--bg-color:transparent;';
30         document.querySelector(".colorCode").innerHTML=this.lastestColor;
31         this.save()
32     }
33     update(){
34         document.querySelector(".colorpalet").style.cssText='--scroll-bar-color:${this.lastestColor};';
35         document.querySelector("#container").style.cssText='--bg-color:${this.lastestColor};';
36         document.querySelector(".colorCode").innerText=this.lastestColor;
37         this.record=[...this.record,this.lastestColor];
38         let tmpHtml="";
39         this.record.forEach(item => {
40             tmpHtml+= `<div class="color" style="--color-box-bg:${item};">
41                 ${item}
42             </div>`;
43         });
44         document.querySelector(".colorpalet").innerHTML=tmpHtml;
45     }
46     save(){
47         window.localStorage.setItem("colorRecord",JSON.stringify(this.record))
48     }
49 }
50 const color=new ColorRand;
51 document.querySelector(".generate").addEventListener("click",()=>{
52     color.generate()
53 })
54 document.querySelector(".reset").addEventListener("click",()=>{
55     color.reset()
56 })
57 }

```

Random Color Generator

Background Color:

#1ED2CF

Generate

Reset

#6C35C2 ■
#9B5631 ■
#F8ED23 ■
#5B6D73 ■
#7DFFE5 ■
#55ED79 ■
#121F72 ■
#EB57DD ■
#624BEA ■
#1125FB ■
#1ED2CF ■
#1ED2CF ■

TP04.5: RESPONSIVE NAVIGATION BAR

Build a navigation bar to support both wide and mobile screen

```

Nav_Bar.html > html > body > nav.navigation > div.list > div.link > a
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <link rel="stylesheet" href="NAV-BAR.css">
8   <script src="Nav-Bar.js" defer</script>
9   <title>Responsive Navigation bar</title>
10 </head>
11 <body>
12   <nav class="navigation">
13     <div class="logo">
14       <h1>NAV-BAR</h1>
15     </div>
16     <div class="list">
17       <div class="link">
18         <a href="#" class="active">Home</a>
19       </div>
20       <div class="link">
21         <a href="#">About</a>
22       </div>
23       <div class="link">
24         <a href="#">Projects</a>
25       </div>
26       <div class="link">
27         <a href="#">Contact</a>
28       </div>
29     </div>
30     <div class="follow">
31       <div class="icon_link">
32         <a href="#">
33           <svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-facebook" viewBox="0 0 16 16">
34             <path d="M16 8.049c0-4.446-3.582-8.05-8.05C3.58 0-.002 3.603-.002 8.05c0 4.017 2.926 7.347 6.75 7.951v-5.625h-2.03V8.049z"/>
35           </svg>
36         </a>
37       </div>
38       <div class="icon_link">
39         <a href="#">
40           <svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-twitter" viewBox="0 0 16 16">
41             <path d="M5.026 15c6.038 0 9.341-5.003 9.341-9.334 0-.14 0-.282-.006-.422A6.685 6.685 0 0 0 16 3.542a6.685 6.685 0 0 1 1-1.1" />
42           </svg>
43         </a>
44       </div>
45       <div class="icon_link">
46         <a href="#">
47           <svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-linkedin" viewBox="0 0 16 16">
48             <path d="M0 1.146C0 .513.526 0 1.175 0h13.65C15.474 0 16 .513 16 1.146v13.708c0 .633-.526 1.146-1.175 1.146H1.175C0 1.146 0 0 0 0z" />
49           </svg>
50         </a>
51       </div>
52       <div class="icon_link">
53         <a href="#">
54           <svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-gem" viewBox="0 0 16 16">
55             <path d="M3.17a.5.5 0 0 1 .4-.2h9a.5.5 0 0 1 .4.2l2.974 3.974c.149.185.156.45.01.644L8.4 15.3a.5.5 0 0 1 -.8 0L1.175 15.3a.5.5 0 0 1 -.5-.5zm0-4a.5.5 0 0 1 .5-.5h10a.5.5 0 0 1 .5.5z" />
56           </svg>
57         </a>
58       </div>
59     </div>
60     <div class="icon">
61       <svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="menu_i bi bi-list" viewBox="0 0 16 16">
62         <path fill-rule="evenodd" d="M2.5 12a.5.5 0 0 1 .5-.5h10a.5.5 0 0 1 .5.5 0 0 1 1.5-.5zm0-4a.5.5 0 0 1 .5-.5h10a.5.5 0 0 1 .5.5 0 0 1 1.5-.5zm0-4a.5.5 0 0 1 .5-.5h10a.5.5 0 0 1 .5.5 0 0 1 1.5-.5z" />
63       </svg>
64     </div>
65   </nav>
66   <div class="drop close">
67     <div class="link">
68       <a href="#" class="active">Home</a>
69     </div>
70     <div class="link">
71       <a href="#">About</a>
72     </div>
73     <div class="link">
74       <a href="#">Project</a>
75     </div>
76     <div class="link">
77       <a href="#">Contact</a>
78     </div>
79   </div>
80 </body>
81 </html>

```

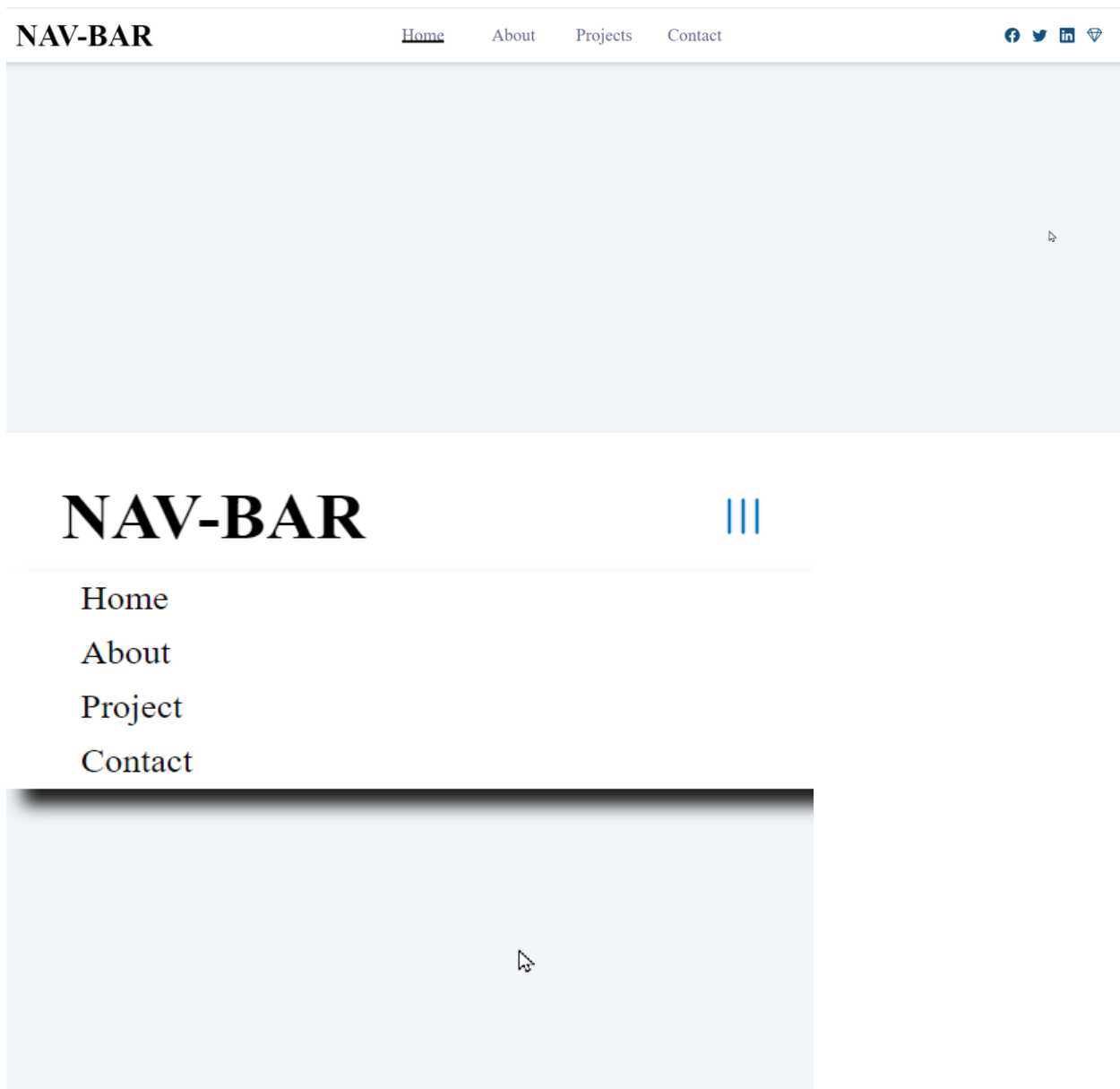


```

1  @media only screen and (max-width: 700px) {
2  {
3    margin: 0;
4    padding: 0;
5    box-sizing: border-box;
6  }
7  body {
8    width: 100vw;
9    background-color: #hsl(206deg, 33%, 96%);
10   display: flex;
11   align-items: flex-start;
12   flex-direction: column;
13 }
14 body .navigation {
15   width: 95%;
16   padding: 0.7rem 2rem;
17   background-color: #white;
18   display: flex;
19   justify-content: space-between;
20   box-shadow: 10px 0px 10px #hsl(200deg, 20%, 70%);
21   align-items: center;
22 }
23 @media only screen and (max-width: 700px) {
24   body .navigation {
25     display: grid;
26     grid-template-columns: 1fr 1fr;
27   }
28 }
29 body .navigation > div {
30   width: 100%;
31 }
32 body .navigation .logo h1 {
33   font-size: 2.5rem;
34   text-transform: uppercase;
35 }
36 body .navigation .list {
37   display: flex;
38   justify-content: space-between;
39 }
40 @media only screen and (max-width: 700px) {
41   body .navigation .list {
42     display: none;
43   }
44 }
45 body .navigation .list > div {
46   width: 100%;
47   text-align: center;
48 }
49 body .navigation .list > div a {
50   font-size: 1.4rem;
51   text-decoration: none;
52   color: #000700;
53   transition: 250ms;
54   position: relative;
55 }
56 body .navigation .list > div a::after {
57   content: "";
58   width: 0;
59   height: 3px;
60   background-color: #000000;
61   position: absolute;
62   border-radius: 999px;
63   transition: 250ms;
64   left: 0;
65   bottom: 10%;
66 }
67 body .navigation .list > div a:hover::after {
68   width: 100%;
69 }
70 body .navigation .list > div a.active::after {
71   width: 100%;
72 }
73 body .navigation .follow {
74   display: flex;
75   align-items: center;
76   justify-content: flex-end;
77   gap: 1rem;
78 }
79 @media only screen and (max-width: 1000px) {
80   body .navigation .follow {
81     display: none;
82   }
83 }
84 body .navigation .follow > div a {
85   display: flex;
86   justify-content: flex-end;
87 }
88 body .navigation .follow > div a svg {
89   fill: #12527f;
90   --size: 1.2rem;
91   width: var(--size);
92   height: var(--size);
93 }
94 body .navigation .icon {
95   display: none;
96   z-index: 9999;
97   justify-content: flex-end;
98 }
99 @media only screen and (max-width: 700px) {
100   body .navigation .icon {
101     display: flex;
102   }
103 }
104 body .navigation .icon svg {
105   fill: #00c750;
106   --size: 1.2rem;
107   width: var(--size);
108   height: var(--size);
109   cursor: pointer;
110   transition: 300ms;
111 }
112 body .navigation .icon svg.open {
113   transform: rotate(90deg);
114 }
115 body .drop {
116   width: 95%;
117   background-color: #white;
118   padding: 0.6rem 2rem;
119   grid-column: 1/-1;
120   transition: 500ms;
121   box-shadow: 10px 10px 10px #hsl(180deg, 2%, 10%);
122   display: none;
123   flex-direction: column;
124 }
125 @media only screen and (max-width: 700px) {
126   body .drop {
127     display: flex;
128   }
129 }
130 body .drop .link {
131   width: 100%;
132   padding: 0.3rem 0.7rem;
133   cursor: pointer;
134   transition: 500ms;
135   position: relative;
136 }
137 body .drop .link a {
138   text-decoration: none;
139   font-size: 1.3rem;
140   color: #000000;
141 }
142 body .drop .link::after {
143   content: "";
144   width: 100%;
145   height: 3px;
146   background-color: #18191a;
147   position: absolute;
148   border-radius: 999px;
149   transition: 250ms;
150   transform: scaleX(0);
151   left: 0;
152   bottom: 10%;
153   transform-origin: center;
154 }
155 body .drop .link:hover::after {
156   transform: scaleX(1);
157 }
158 body .drop .close {
159   transform: translateX(-100%);
160   z-index: -1;
161   box-shadow: unset;
162 }
163 /*# sourceMappingURL=nav-bar.css.map */

```

```
Nav_Bar.html NAV-BAR.css NAV-BAR.scss Nav-Bar.js X
JS Nav-Bar.js > ...
1 const menu=document.querySelector(".icon")
2 menu.addEventListener("click",()=>{
3     document.querySelector(".menu_i").classList.toggle("open");
4     document.querySelector(".drop").classList.toggle("close")
5 })
```



TP04.6: SIDE BAR

Build an app with a slide bar

```
Side-Bar.html > html > head > script
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <link rel="stylesheet" href="side-bar.css">
8   <script src="SideBar.js" defer></script>
9   <title>Side Bar</title>
10 </head>
11 <body>
12   <nav class="navigation shrink">
13     <div class="logo">
14       <h1>SIDE-BAR</h1>
15       <svg xmlns="http://www.w3.org/2000/svg" id="close" fill="none" viewBox="0 0 24 24" stroke-width="1.5" stroke="currentColor" class="w
16       <path stroke-linecap="round" stroke-linejoin="round" d="M6 18L18 6M6 6L12 12" />
17     </svg>
18   </div>
19   <div class="menu">
20     <a href="#" class="link">Home</a>
21     <a href="#" class="link">About</a>
22     <a href="#" class="link">Project</a>
23     <a href="#" class="link">Contact</a>
24   </div>
25   <div class="follow">
26     <div class="icon_link">
27       <a href="#">
28         <svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-facebook" viewBox="0 0 16 16
29         <path d="M16 8.049c0-4.446-3.582-8.05-8.05-8.05C3.58 0-1.002 3.603-.002 8.05c0 4.017 2.926 7.347 6.75 7.951v-5.625h-2.03V8.0
30       </svg>
31     </a>
32   </div>
33   <div class="icon_link">
34     <a href="#">
35       <svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-twitter" viewBox="0 0 16 16"
36       <path d="M5.026 15c6.038 0 9.341-5.003 9.341-9.334 0-.14 0-.282-.006-.422A6.685 6.685 0 0 0 3.542a6.685 6.685 0 0 1 1-1
37     </svg>
38   </a>
39 </div>
40   <div class="icon_link">
41     <a href="#">
42       <svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-linkedin" viewBox="0 0 16 16
43       <path d="M0 1.146C.513 5.26 1.175 8.136 1.75 10.632c.633-.526 1.146-1.175 1.146-1.175C1.146 1.175 1.146 1.175 1.146 1.175
44     </svg>
45   </a>
46 </div>
47   <div class="icon_link">
48     <a href="#">
49       <svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-gem" viewBox="0 0 16 16">
50       <path d="M3.17a.5.5 0 0 1 .4-.2h9a.5.5 0 0 1 .4.2l2.974 3.974c.149.185.156.45.01.644L8.4 15.3a.5.5 0 0 1-.8 0L.1 5.3a.5
51     </svg>
52   </a>
53 </div>
54 </div>
55 </nav>
56 <div class="menu_icon">
```

```

Run Terminal Help side-bar.scss - 1P4L6 - Visual Studio Code
side-bar.scss x
side-bar.scss > body
1 @import url('https://fonts.googleapis.com/css2?family=Oswald&display=swap');
2
3 *{
4   margin: 0;
5   padding: 0;
6   box-sizing: border-box;
7 }
8 :root{
9   --font-main: 'Oswald', sans-serif;
10 }
11 body{
12   width: 100vw;
13   background-color: #f1f5f8;
14   padding: 0 .7rem;
15   display: grid;
16   grid-template-columns: 1fr 1fr;
17   .menu_icon{
18     cursor: pointer;
19     display: flex;
20     justify-content: flex-end;
21     svg{
22       --size: 2rem;
23       width: var(--size);
24       height: var(--size);
25       color: #0b70b8;
26     }
27   }
28   nav{
29     z-index: 10;
30     transition: 300ms;
31     transform-origin: left;
32     &.link{
33       transform: scaleX(0);
34     }
35     max-width: 50%;
36     @media only screen and (max-width: 1200px){
37       min-width: 70%;
38     }
39     @media only screen and (max-width: 650px){
40       min-width: 200%;
41     }
42     min-height: 100vh;
43     background-color: white;
44     display: flex;
45     padding: 1rem;
46     justify-content: space-between;
47     &>div{
48       width: 100%;
49       height: 100%;
50     }
51     gap: 2rem;
52     align-items: center;
53     flex-direction: column;
54     .logo{
55       width: 100%;
56       height: fit-content;
57       display: flex;
58       align-items: center;
59       justify-content: space-between;
60       hi{
61         font-family: var(--font-main);
62         font-size: 2.5rem;
63       }
64       svg{
65         --size: 1.6rem;
66         width: var(--size);
67         height: var(--size);
68         cursor: pointer;
69         &:hover{
70           color: red;
71         }
72       }
73     }
74     .menu{
75       width: 100%;
76       display: flex;
77       flex-direction: column;
78       a{
79         text-decoration: none;
80         text-transform: uppercase;
81         color: black;
82         font-size: 1.5rem;
83         color: rgb(24, 21, 21);
84         transition: 300ms;
85         padding: .6rem .7rem;
86         border-radius: .2rem;
87         &:hover{
88           background-color: hsl(199, 33%, 70%);
89           color: black;
90         }
91       }
92     }
93     .follow{
94       flex: 2;
95       display: flex;
96       justify-content: center;
97       align-items: flex-end;
98       gap: 2rem;
99       .icon_link{
100         a{
101           svg{
102             --size: 1.3rem;
103             color: #0e6aac;
104             width: var(--size);
105             height: var(--size);
106           }
107         }
108       }
109     }
110   }
111 }
112 }

```

```
SideBar.js x
SideBar.js > ...
1  ("click",()=>{
2  ontains("shrink"?document.querySelector(".navigation").classList.remove("shrink"):document.querySelector(".navigation").classList.add("shrink")
3
4  ick",()=>{
5  st.contains("shrink")) document.querySelector(".navigation").classList.add("shrink")
6
```

