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TP4 Assignment

Git url: https://github.com/LyhongPich/TP-Internet-Programming

Ex1. Tab

Source code:

```html
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>Ex1</title>
8       <script src="https://cdn.tailwindcss.com/"></script>
9
10  </head>
11  <body>
12      <div class="flex justify-center items-center h-[700px]">
13          <div class="border-4 border-black w-[500px] h-[600px] bg-indigo-50">
14              <div class="text-center pt-5 font-bold text-xl ">
15                  About
16              </div>
17              <div class="text-center pt-2 font-semibold text-xs text-neutral-400">
18                  Lorem ipsum, dolor sit amet consectetur adipisicing elit. In, nisi?
19              </div>
20              <div class="px-10 pt-10 pb-5">
21                  <img
22                      src="https://images.pexels.com/photos/618833/pexels-photo-618833.jpeg?cs=srgb&dl=pexels-sagui-andrea-618833.jpg&fm=jpg"
23                      alt=""
24                      class="w-full h-[200px]">
25              </div>
26
27              <div class="flex rounded-lg bg-white mx-10 font-sans font-medium">
28                  <button id="btn_history" class="w-full bg-white rounded-tl-lg py-2">History</button>
29                  <button id="btn_vision" class="w-full bg-slate-300 py-2">Vision</button>
30                  <button id="btn_goal" class="w-full bg-slate-300 rounded-tr-lg py-2">Goals</button>
```

```html
        </div>
        <div class="rounded-bl-lg rounded-br-lg bg-white mx-10 px-2 pt-3 pb-7 text-xs text-neutral-400 font-semibold">
            <div id="HisContent">
                <h2 class="font-bold pb-2 text-[13px] text-black">History</h2>
                <p>
                    Lorem ipsum dolor sit amet, consectetur adipisicing elit.
                    Aspernatur atque harum ut facilis voluptatem sint odit,
                    laboriosam qui veritatis facere, cumque dolor, totam quod consequatur?
                    Maiores quae dignissimos molestias temporibus.
                </p>
            </div>
            <div id="VisContent" class="h-[180px] hidden">
                <h2 class="font-bold pb-2 text-[13px] text-black">Vision</h2>
                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Accusantium recusandae rem unde.
                    Fuga commodi ducimus ab voluptatum debitis ipsa, tempora nesciunt distinctio in provident dolor voluptas,
                    laboriosam sit nulla fugiat. Lorem ipsum dolor sit amet consectetur, adipisicing elit. Veniam, dolor.
                    Lorem ipsum dolor sit amet consectetur adipisicing elit. Dolorem, quae?
                </p>
                <ul class="pt-4">
                    <li>List item</li>
                    <li>List item</li>
                    <li>List item</li>
                </ul>
            </div>
            <div id="GoalContent" class="overflow-x-auto h-[150px] hidden">
                <h2 class="font-bold pb-2 text-[13px] text-black">Goals</h2>
                <p>Lorem ipsum dolor sit amet consectetur adipisicing elit.
                    Porro delectus facere quibusdam adipisci perferendis possimus id consectetur atque ipsam,
                    amet, temporibus repellat dolores cum voluptates. Earum, autem cumque quod quaerat aperiam
                    cupiditate commodi ea excepturi labore obcaecati ducimus laborum accusantium, voluptate explicabo debitis pariatur?
                </p>
            </div>
        </div>
    </div>
</div>

<script>

    //Button
    const hisButton = document.getElementById("btn_history");
    const visButton = document.getElementById("btn_vision");
    const goalButton = document.getElementById("btn_goal");

    //Listing Content
    const hisContent = document.getElementById("HisContent");
    const visContent = document.getElementById("VisContent");
    const goalContent = document.getElementById("GoalContent");

    hisButton.addEventListener("click",function(){
        visContent.style.display = "none";
        goalContent.style.display = "none";
        hisContent.style.display = "block";
        hisButton.style.background = "white";
        visButton.style.background = "rgb(203 213 225/1)";
        goalButton.style.background = "rgb(203 213 225/1)";
    })

    visButton.addEventListener("click", function() {
        hisContent.style.display = "none";
        goalContent.style.display = "none";
```
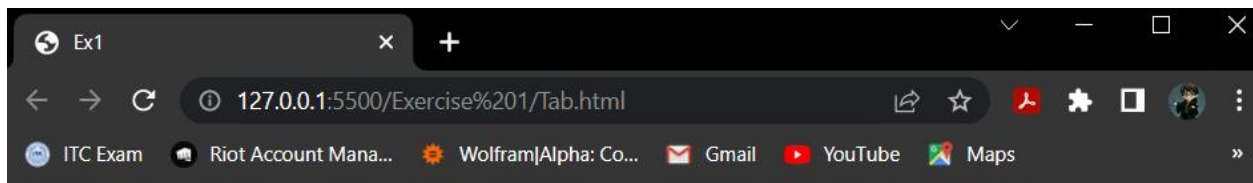
```
 91                 visContent.style.display = "block";
 92                 hisButton.style.background = "rgb(203 213 225/1)";
 93                 visButton.style.background = "white";
 94                 goalButton.style.background = "rgb(203 213 225/1)";
 95             })
 96
 97             goalButton.addEventListener("click", function() {
 98                 hisContent.style.display = "none";
 99                 visContent.style.display = "none";
100                 goalContent.style.display = "block";
101                 hisButton.style.background = "rgb(203 213 225/1)";
102                 visButton.style.background = "rgb(203 213 225/1)";
103                 goalButton.style.background = "white";
104             })
105         </script>
106     </body>
107 </html>
```

Output:

Ex2. Responsive Menu

Source code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ex2</title>
    <script src="https://cdn.tailwindcss.com/"></script>
</head>
<body>
    <div class="flex justify-center items-center h-[700px]">
        <div class="h-[500px] max-[611px]:h-[650px] w-[600px] border-4 border-black border-solid bg-indigo-100">
            <div class="mt-10 text-center text-3xl font-bold font-sans ">
                <h1 class="">Our Menu</h1>
            </div>
            <div class="mx-auto mt-1 border-[2px] border-yellow-600 border-solid w-[10%]"></div>
            <div class="mt-5 flex w-[80%] mx-auto justify-center text-yellow-600">
                <button class="
                    border-2 border-solid border-t-yellow-600 border-l-yellow-600 border-r-yellow-800 border-b-yellow-800
                    rounded-lg mx-[5px] px-2">All
                </button>
                <button class="
                    border-2 border-solid border-t-yellow-600 border-l-yellow-600 border-r-yellow-800 border-b-yellow-800
                    rounded-lg mx-[5px] px-2">Breakfast
                </button>
                <button class="px-2
                    border-2 border-solid border-t-yellow-600 border-l-yellow-600 border-r-yellow-800 border-b-yellow-800
                    rounded-lg mx-[5px]">Lunch
                </button>
                <button class="px-2
```

```html
                    border-2 border-solid border-t-yellow-600 border-l-yellow-600 border-r-yellow-800 border-b-yellow-800
                    rounded-lg mx-[5px]">Snake
                </button>
                <button class="px-2
                    border-2 border-solid border-t-yellow-600 border-l-yellow-600 border-r-yellow-800 border-b-yellow-800
                    rounded-lg mx-[5px]">Dinner
                </button>
            </div>
            <div class="overflow-auto h-[300px] max-[611px]:h-[450px] mt-10">
                <div class="flex mb-10 max-[611px]:flex-col max-[611px]:items-center">
                    <div class="w-[40%] max-[611px]:w-full">
                        <img
                        src="https://kristineskitchenblog.com/wp-content/uploads/2021/04/buttermilk-pancakes-1200-square-for-recipe-card-40
                        alt=""
                        class="w-[160px] h-[120px] ml-[60px] border-[3px] border-yellow-600 border-solid rounded-md
                        max-[611px]:mx-auto max-[611px]:w-[50%] max-[611px]:h-[165px]">
                    </div>
                    <div class="w-[50%]">
                        <div class="flex font-bold">
                            <div class="w-[80%]">
                                <h3 class="">Buttermilk Pancakes</h3>
                            </div>
                            <div class="w-[40%] text-end">
                                <p class="text-yellow-600">$ 15.99</p>
                            </div>
                        </div>
                        <div class="border-[1px] border-slate-400 border-dotted"></div>
                        <div class="mt-2">
                            <p class="text-[13px] font-medium text-gray-400">
                                I'm baby woke mlkshk wolf bitters live-edge blue bottle, hammock greegan copper mug whatever cold-pressed
```

```
61                    </p>
62                </div>
63            </div>
64        </div>
65        <div class="flex mb-10 max-[611px]:flex-col max-[611px]:items-center">
66            <div class="w-[40%] max-[611px]:w-full">
67                <img
68                src="https://media-cdn.tripadvisor.com/media/photo-m/1280/1a/86/9d/db/canada-s-diner-double.jpg"
69                alt=""
70                class="w-[160px] h-[120px] ml-[60px] border-[3px] border-yellow-600 border-solid rounded-md
71                max-[611px]:mx-auto max-[611px]:w-[50%] max-[611px]:h-[165px]">
72            </div>
73            <div class="w-[50%]">
74                <div class="flex font-bold">
75                    <div class="w-[80%]">
76                        <h3 class="">Diner Double</h3>
77                    </div>
78                    <div class="w-[40%] text-end">
79                        <p class="text-yellow-600">$ 13.99</p>
80                    </div>
81                </div>
82                <div class="border-[1px] border-slate-400 border-dotted"></div>
83                <div class="mt-2">
84                    <p class="text-[13px] font-medium text-gray-400">
85                        vaporware iPhone mumblecore selvage raw denim slow-carb leggings gochujang helvetica man braid jianbing.
86                        Marfa thundercats
87                    </p>
88                </div>
89            </div>
90        </div>
91        <div class="flex mb-10 max-[611px]:flex-col max-[611px]:items-center">
92            <div class="w-[40%] max-[611px]:w-full">
93                <img
94                src="https://vanilla-js-basic-project-8-menu.netlify.app/images/item-3.jpeg"
95                alt=""
96                class="w-[160px] h-[120px] ml-[60px] border-[3px] border-yellow-600 border-solid rounded-md
97                max-[611px]:mx-auto max-[611px]:w-[50%] max-[611px]:h-[165px]">
98            </div>
99            <div class="w-[50%]">
100                <div class="flex font-bold">
101                    <div class="w-[80%]">
102                        <h3 class="">Godzilla Milkshake</h3>
103                    </div>
104                    <div class="w-[40%] text-end">
105                        <p class="text-yellow-600">$ 6.99</p>
106                    </div>
107                </div>
108                <div class="border-[1px] border-slate-400 border-dotted"></div>
109                <div class="mt-2">
110                    <p class="text-[13px] font-medium text-gray-400">
111                        ombucha chillwave fanny pack 3 wolf moon street art photo booth before they sold out organic viral.
112                    </p>
113                </div>
114            </div>
115        </div>
116        </div>
117    </div>
118    </div>
119 </body>
120 </html>
```
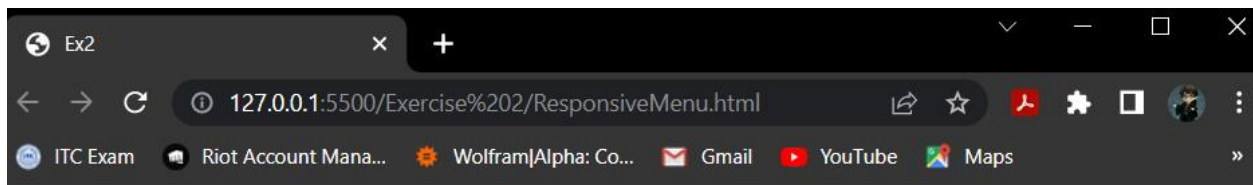
Output:
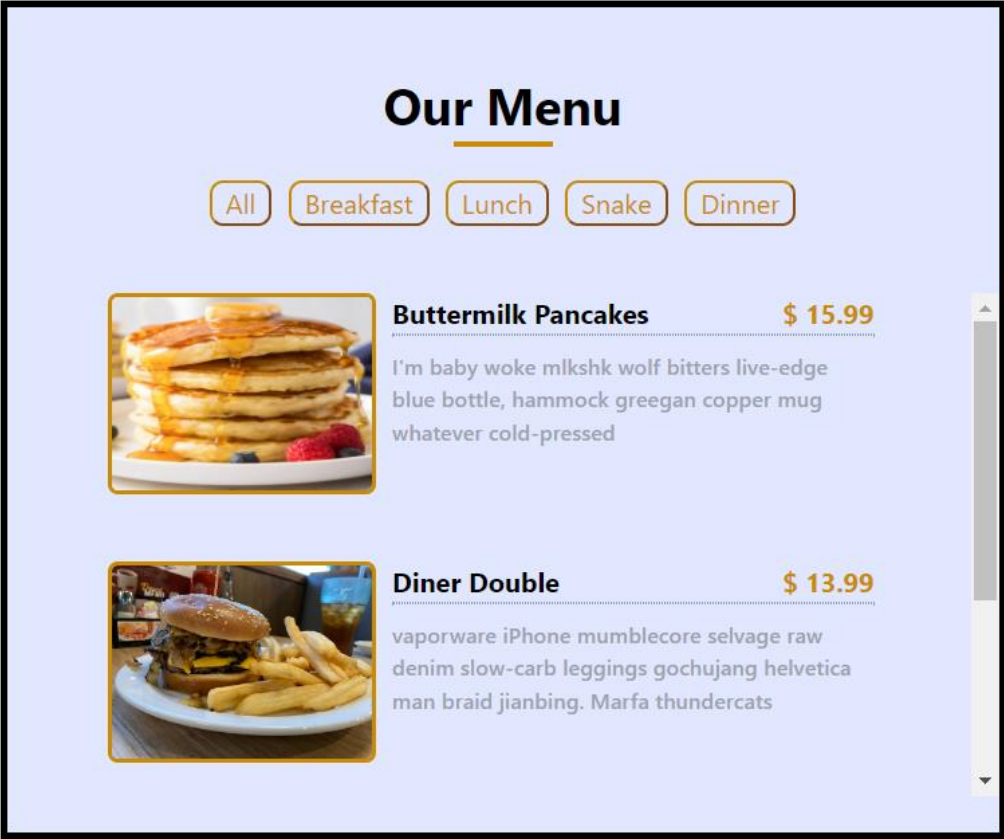
Our Menu

All   Breakfast   Lunch   Snake   Dinner

Buttermilk Pancakes   **$ 15.99**

I'm baby woke mlkshk wolf bitters live-edge
blue bottle, hammock greegan copper mug
whatever cold-pressed

Diner Double   **$ 13.99**

vaporware iPhone mumblecore selvage raw
denim slow-carb leggings gochujang helvetica
man braid jianbing. Marfa thundercats

127.0.0.1:5500/Exercise%202/Res...

Our Menu

All   Breakfast   Lunch   Snake   Dinner

Buttermilk Pancakes $ 15.99

I'm baby woke mlkshk wolf bitters live-edge
blue bottle, hammock greegan copper mug
whatever cold-pressed

Ex3. Counter

Source code:

```html
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>Ex3</title>
8       <script src="https://cdn.tailwindcss.com/"></script>
9   </head>
10  <body>
11      <div class="flex items-center justify-center h-[700px]">
12          <div class="border-[6px] shadow-lg shadow-slate-600 border-black border-solid bg-indigo-100 w-[410px] h-[600px]">
13              <div class="mt-[180px] text-center w-[200px] mx-auto">
14                  <h1 class="text-5xl font-medium font-sans text-cyan-900" >Counter</h1>
15              </div>
16              <div class="text-center text-7xl mt-8 mb-7">
17                  <h1 id="number"></h1>
18              </div>
19              <div class="flex w-[300px] mx-auto text-[13px] font-semibold">
20                  <button id="decrease" type="button" class="w-full mr-3 px-3 py-[2px] border-2 border-black border-solid rounded">
21                      DECREASE
22                  </button>
23                  <button id="reset" type="button" class="w-full py-[2px] border-2 border-black border-solid rounded">
24                      RESET
25                  </button>
26                  <button id="increase" type="button"
27                          class="w-full bg-black text-white ml-3 px-3 py-[2px] border-2 border-black border-solid rounded">
28                      INCREASE
29                  </button>
30              </div>
```

```html
31              </div>
32          </div>
33          <script>
34              const numberList = document.getElementById("number");
35              class Counter {
36                  number = 0;
37                  constructor() {
38                      // Make the number start with zero
39                      // localStorage.setItem("Number", this.number);
40
41                      // Initial display the number from local storage on web browser when starting the server
42                      // numberList.innerHTML = localStorage.getItem("Number");
43
44                      // Get the current value to local storage (value will be change after using functions below)
45                      this.number = localStorage.getItem("Number");
46                  }
47
48                  decrease() {
49                      this.number--;
50                      return this.number;
51                  }
52
53                  increase() {
54                      this.number++;
55                      return this.number;
56                  }
57
58                  reset() {
59                      this.number = 0;
60                      return this.number;
```

```javascript
61              }
62          }
63          let counter = new Counter();
64
65          const inc_btn = document.getElementById("increase");
66          const dec_btn = document.getElementById("decrease");
67          const reset_btn = document.getElementById("reset");
68
69          inc_btn.addEventListener("click", () => {
70              localStorage.setItem("Number", counter.increase());
71              numberList.innerHTML = localStorage.getItem("Number");
72              numberList.style.color = "green";
73          })
74
75          dec_btn.addEventListener("click", () => {
76              localStorage.setItem("Number", counter.decrease());
77              numberList.innerHTML = localStorage.getItem("Number");
78              numberList.style.color = "red";
79          })
80
81          reset_btn.addEventListener("click", () => {
82              localStorage.setItem("Number", counter.reset());
83              numberList.innerHTML = localStorage.getItem("Number");
84              numberList.style.color = "black";
85          })
86
87
88      </script>
89  </body>
90  </html>
```

Output:
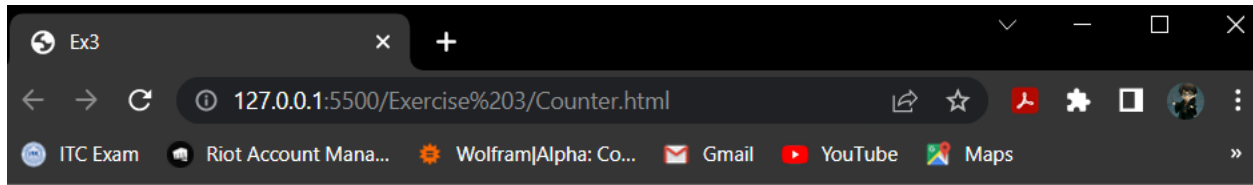
Ex4. Random Color Generator

Source code:

```html
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>Ex4</title>
8       <script src="https://cdn.tailwindcss.com/"></script>
9   </head>
10  <body class="flex justify-center items-center w-full h-[800px]" onload="color.displayColor()">
11      <div class="container w-[500px] h-[700px] bg-gray-300 border-[5px] border-black flex justify-center items-center">
12          <div class="subcontainer w-[460px] h-[660px] bg-white">
13              <div class="head h-[50px] p-4">
14                  <span id="color" class="text-blue-700 text-[17px] font-mono font-bold">Random Color Generator</span>
15              </div>
16              <div id="colorBG" class="color h-[590px] w-full bg-blue-600">
17                  <div class="headBG h-[100px] w-[440px] bg-black
18                              flex flex-col items-center justify-center font-serif font-bold m-auto rounded-md">
19                      <span class="text-white text-[35px]">Background Color :</span>
20                      <span id="colorCode" class="text-blue-500 text-[20px]"></span>
21                  </div>
22
23                  <div class="button flex mt-[40px] justify-center gap-3 font-serif font-bold">
24                      <button class="border-2 p-2 rounded-md bg-black text-white border-black tracking-widest"
25                              onclick="color.generate()">GENERATE</button>
26                      <button class="border-2 p-2 rounded-md border-black tracking-widest" onclick="color.reset()">RESET</button>
27                  </div>
28                  <div id="listing" class="listing h-[200px] overflow-auto w-full bg-white mt-3 p-3">
29
30                  </div>
31              </div>
32          </div>
33      </div>
34  </div>
35  <script>
36      class Color{
37          colorType = '';
38          record = [];
39          constructor(type){
40              this.colorType = type;
41              this.getRecords();
42          }
43          generate(){
44              var holdNum = this.getRandomNumber();
45              this.record.push(holdNum.toUpperCase());
46              localStorage.setItem("records", JSON.stringify(this.record));
47              this.displayColor();
48          }
49          getRandomNumber(){
50              var randomNumber = Math.floor(Math.random()*16777215).toString(16);
51              return "#"+randomNumber;
52          }
53          getRecords(){
54              this.record = JSON.parse(localStorage.getItem("records"));
55          }
56          reset(){
57              this.record = [];
58              localStorage.setItem("records", JSON.stringify(this.record));
59              this.displayColor();
60          }
```
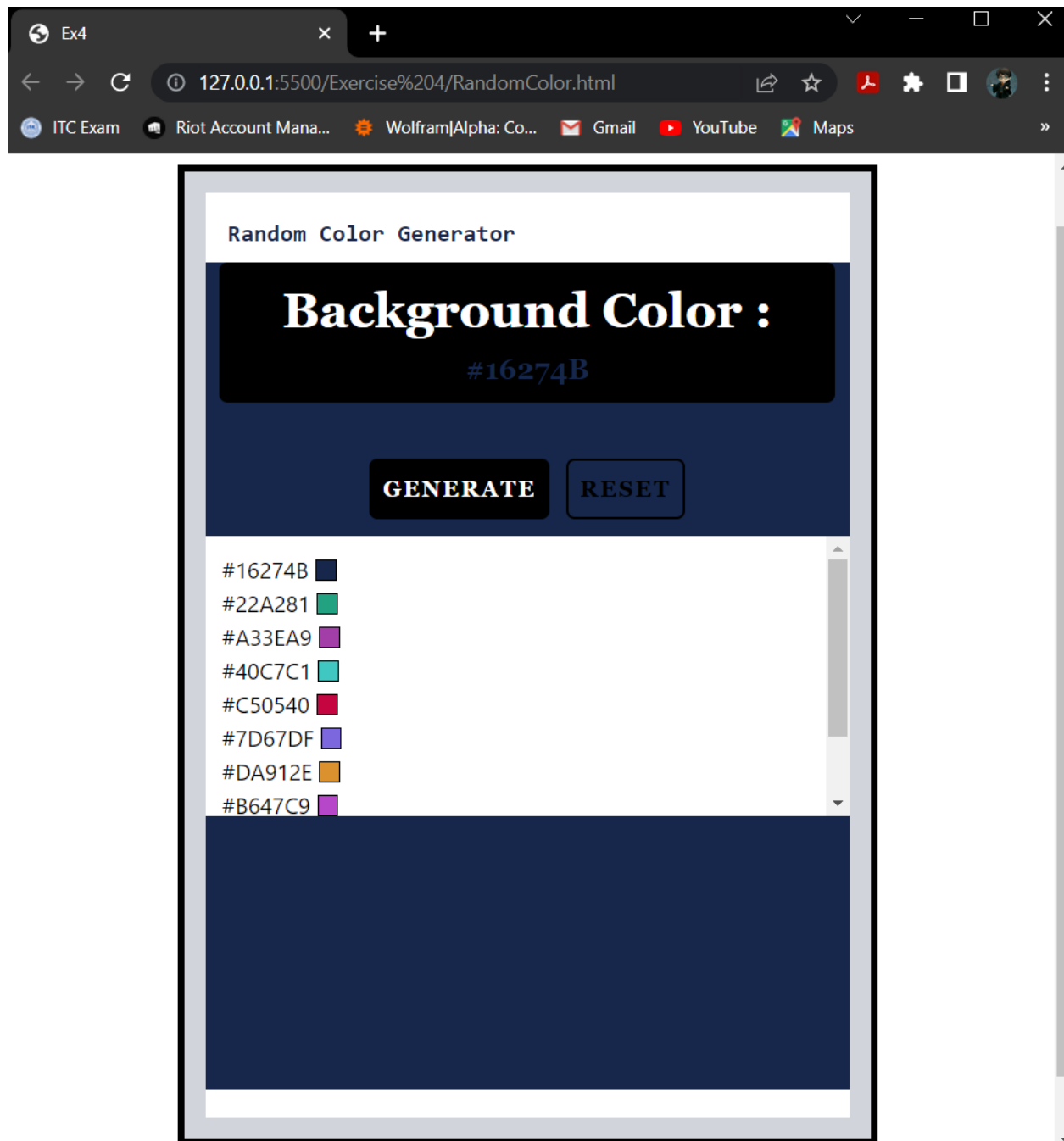
```
61          displayColor(){
62              document.getElementById("colorCode").innerHTML=this.record[this.record.length-1];
63              document.getElementById("color").style.color=this.record[this.record.length-1];
64              document.getElementById("colorCode").style.color=this.record[this.record.length-1];
65              document.getElementById("colorBG").style.backgroundColor=this.record[this.record.length-1];
66              document.getElementById("listing").innerHTML="";
67              for(let i=this.record.length-1; i>=0; i--) {
68                  document.getElementById("listing").innerHTML+=`
69                  <div style="display: flex;">${this.record[i]}
70                      <div style="height:15px; width:15px; border:1px solid black; margin-left: 5px; margin-top: 5px;
71                          background-color:${this.record[i]}">
72                      </div>
73                  </div>`;
74              }
75          }
76
77      }
78      var color = new Color("HEX");
79  </script>
80  </body>
81  </html>
```

Output:

Ex5. Responsive Navigation Bar

Source code:

Html:

```html
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>Exercise 5 Nav-bar</title>
8       <link href='https://unpkg.com/boxicons@2.1.1/css/boxicons.min.css' rel='stylesheet'>
9       <link rel="stylesheet" href="./index.css">
10  </head>
11  <body>
12      <div class="nav-bar">
13          <div class="logo"><a href="http://youtube.com">NAV-BAR</a></div>
14          <ul class="menu">
15              <li><a href="#">Home</a></li>
16              <li><a href="#">About</a></li>
17              <li><a href="#">Project</a></li>
18              <li><a href="#">Contact</a></li>
19          </ul>
20          <ul class="social">
21              <li><a href="#"><i class='bx bxl-facebook-circle'></i></a></li>
22              <li><a href="#"><i class='bx bxl-twitter'></i></a></li>
23              <li><a href="#"><i class='bx bxl-meta'></i></a></li>
24              <li><a href="#"><i class='bx bxl-linkedin-square' ></i></a></li>
25              <li><a href="#"><i class='bx bxs-diamond' ></i></a></li>
26          </ul>
27          <div class="hamburger-menu" onclick="enable_menu()">
28              <a href="#"><i class='bx bx-menu' id="icon-ham"></i></a>
29          </div>
30      </div>
```

```html
        <div class="sub-bar" id="my-nav">
            <ul class="sub-menu">
                <li><a href="#">Home</a></li>
                <li><a href="#">About</a></li>
                <li><a href="#">Project</a></li>
                <li><a href="#">Contact</a></li>
            </ul>
        </div>

        <script src="./index.js"></script>
    </body>
</html>
```

CSS:

```css
body {
    margin: 0;
    background-color: rgb(245, 242, 242);
}

.nav-bar {
    height: 60px;
    width: 100%;
    background-color: #fafafa;
    box-shadow: rgba(60, 64, 67, 0.3) 0px 1px 2px 0px, rgba(60, 64, 67, 0.15) 0px 1px 3px 1px;
    border-radius: 3px;
    display: flex;
    align-items: center;
    justify-content: space-around;
    margin-top: 5px;
}

.nav-bar .logo {
    font-size: x-large;
}

.logo>a {
    text-decoration: none;
    cursor: pointer;
    color: rgba(24, 29, 34, 0.6);
}

.logo>a:hover {
    color: rgba(61, 133, 198, .9);
}
```

```css
31
32    .nav-bar>ul {
33        display: flex;
34    }
35
36    .nav-bar>ul>li {
37        list-style-type: none;
38    }
39
40    li>a {
41        text-decoration: none;
42    }
43
44    .menu>li>a {
45        font-size: large;
46        color: ☐rgba(36, 36, 36, .7);
47        padding: 18px 19px 19px 19px;
48    }
49
50    .menu>li>a:hover {
51        border-top: 20px solid ☐rgba(61, 133, 198, 1);
52        border-bottom: 1px solid ☐rgba(61, 133, 198, 1);
53        color: ☐rgba(61, 133, 198, .8);
54        background-color: ☐rgba(61, 133, 198, .1);
55    }
56
57    .social {
58        list-style-type: none;
59    }
60
```

```css
61    .social>li {
62        color: ■rgb(238, 233, 243);
63        margin: 0 6px 0 6px;
64        font-size: large;
65    }
66
67    .social>li>a>i:hover {
68        transform: scale(1.3);
69    }
70
71    .social>li>a>i {
72        color: ■rgba(61, 133, 198, .9);
73    }
74
75    .hamburger-menu {
76        display: none;
77        position: absolute;
78        color: □rgb(25, 27, 27);
79        right: 1rem;
80    }
81
82    .sub-bar {
83        display: none;
84        position: relative;
85        height: auto;
86        background-color: ■#fafafa;
87    }
88
89    .sub-bar>ul {
90        margin: 0;
```

```css
91    }
92
93    .sub-menu>li>a {
94        color: □rgba(36, 36, 36, .7);
95    }
96
97    @media screen and (max-width: 790px) {
98        .nav-bar .logo {
99            font-size: medium;
100       }
101       .menu>li>a {
102           padding: 10px 11px 11px 11px;
103           font-size: smaller;
104       }
105   }
106
107   @media screen and (max-width: 600px) {
108       .menu>li,
109       .social>li {
110           display: none;
111       }
112       .hamburger-menu {
113           display: block;
114       }
115       .responsive {
116           display: block;
117           color: ■aqua;
118           float: none;
119           flex-direction: column;
120       }
```

```
121          .responsive>ul>li {
122              margin: 0 .5rem .5rem .5rem;
123              list-style-type: none;
124          }
125      }
126
```

Javascript:

```javascript
1  |
2  var enable_menu = () => {
3      let en = document.getElementById('my-nav');
4      let hamburger = document.getElementById('icon-ham');
5      if (en.className == 'sub-bar') {
6          en.className += ' responsive';
7          hamburger.className += 'bx-rotate-90';
8      }
9       else {
10          en.className = 'sub-bar';
11          hamburger.className = 'bx bx-menu';
12      }
13  }
```

Output:

127.0.0.1:5500/Exercise%205/ResponsiveNavigationBar.html

NAV-BAR   Home   About   Project   Contact

127.0.0.1:5500/Exer...

ITC Exam   Riot Account Mana...   Wolfram|Alpha: Co...   Gmail
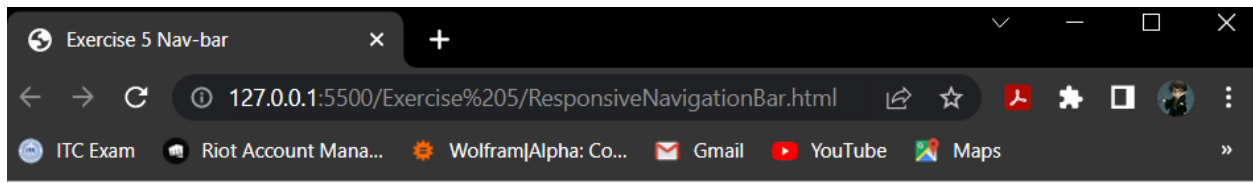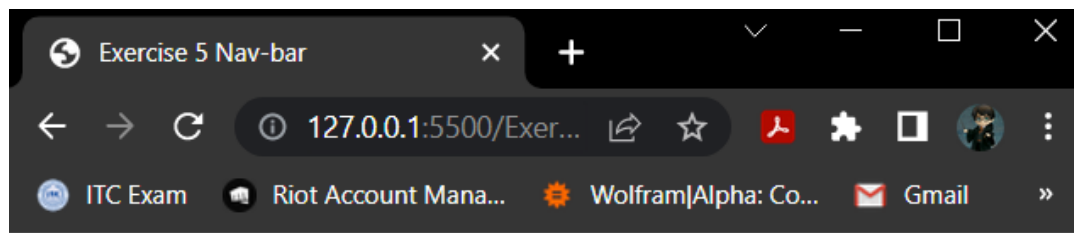
NAV-BAR

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Ex6. Side Bar

Source code:

Html:

```html
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="./index.css">
8       <title>Ex6</title>
9   </head>
10  <body>
11
12      <div class="parent">
13          <button id="toggleBtn">Click Me</button>
14          <div id="sidebar">
15              <div class="parent3">
16                  <div>
17                      <h2>SIDE-BAR</h2>
18                  </div>
19              </div>
20              <div class="parent4">
21                  <div>Home</div>
22                  <div>About</div>
23                  <div>Projects</div>
24                  <div>Contact</div>
25              </div>
26              <div class="parent5">
27                  <i class="fab fa-facebook-square fa-3x"></i>
28                  <i class="fab fa-twitter-square fa-3x"></i>
29                  <i class="fab fa-linkedin fa-3x"></i>
30              </div>
```

```
31              </div>
32          </div>
33
34          <script>
35              var toggleBtn = document.getElementById("toggleBtn");
36              var sidebar = document.getElementById("sidebar");
37              var parent = document.querySelector(".parent");
38
39              toggleBtn.addEventListener("click", function() {
40                  parent.classList.toggle("sidebar-open");
41              });
42          </script>
43
44      </body>
45  </html>
```
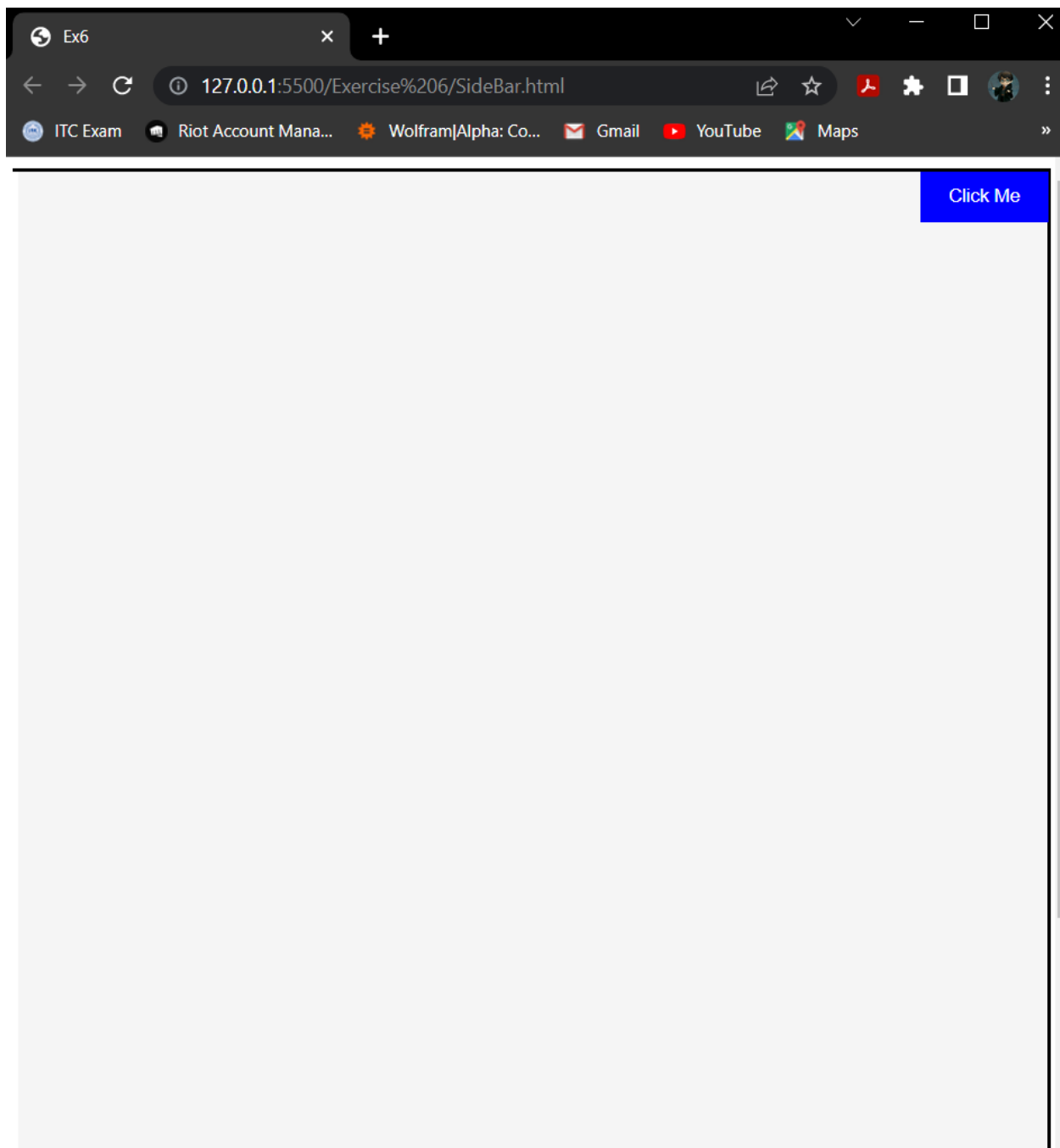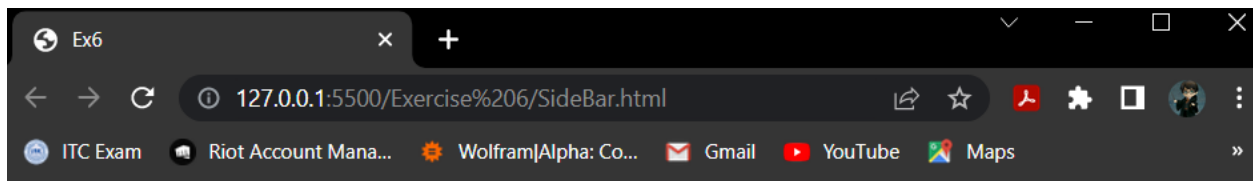
CSS:

```css
.parent {
    border: 3px solid ■black;
    width: 100%;
    height: 900px;
    background-color: ■whitesmoke;
}

#sidebar {
    background-color: ■white;
    width: 300px;
    height: 895px;
    position: absolute;
    left: -300px;
    top: 0;
    transition: left 0.5s;
    margin-top: 10px;
    margin-left: 12px;
}

.sidebar-open #sidebar {
    left: 0;
}

#toggleBtn {
    position: absolute;
    right: 5px;
    top: 10px;
    background-color: ■blue;
    border: none;
    color: ■white;
```

```css
31        padding: 10px 20px;
32        cursor: pointer;
33    }
34
35    .parent3 {
36        display: flex;
37        justify-content: center;
38        align-items: center;
39        height: 50px;
40    }
41
42    .parent4 {
43        display: flex;
44        flex-direction: column;
45        row-gap: 30px;
46        margin-left: 10px;
47    }
48
49    .parent5 {
50        margin-top: 550px;
51        display: flex;
52        justify-content: center;
53    }
```

Output:

127.0.0.1:5500/Exercise%206/SideBar.html

Click Me

SIDE-BAR

Click Me

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