INSTITUTE OF TECHNOLOGY OF CAMBDIA

DEPARTEMENT OF INFORMATION AND COMMUNCATION ENGINERING

Subject   : Internet-Programming

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TP04

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TP04

Github url: https://github.com/Tuon-Sreynit/Internet-Programming/tree/tp-ip/TP04

Ex1

Src:

```css
@import url("https://fonts.googleapis.com/css2?family=Nunito&display=swap");
:root {
  --font:"Comic Sans MS", cursive;
}

* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: var(--font);
}

body {
  width: 100vw;
  min-height: 100vh;
}
body .tab {
  background-color: #f1f5f8;
  width: 80%;
  min-height: 70vh;
  display: flex;
  flex-direction: column;
  justify-content: space-evenly;
  align-items: center;
  margin:auto;
  margin-top: 10rem;
  border: 5px solid black;
}
body .tab > div {
  width: 100%;
}
body .tab .header {
  text-align: center;
}
body .tab .header h1 {
  font-size: 3rem;
}
body .tab .header p {
  font-size: 1.7rem;
}
body .tab .wrapper {
  padding: 1rem;
  display: flex;
  gap: 1rem;
}
@media only screen and (max-width: 50%) {
  body .tab .wrapper {
    flex-direction: column;
  }
}
body .tab .wrapper > div {
  width: 100%;
  max-height: 50vh;
}
body .tab .wrapper > div img {
  width: 100%;
  -o-object-fit: cover;
     object-fit: cover;
  height: 100%;
}
body .tab .wrapper .img {
  border-radius: 0.7rem;
  overflow: hidden;
}
body .tab .wrapper .content {
  border-radius: 0.8rem;
  overflow: hidden;
  background-color: white;
}
body .tab .wrapper .content .btn {
  width: 100%;
  display: flex;
}
body .tab .wrapper .content .btn button {
  width: 100%;
  padding: 0.5rem 0.7rem;
  border: none;
  outline: none;
  background-color: #dbe2ec;
  font-size: 2rem;
  cursor: pointer;
}
body .tab .wrapper .content .btn button.active {
  background-color: white;
}
body .tab .wrapper .content .btn button:hover {
  background-color: #f1f5f8;
}
body .tab .wrapper .content .text_wrapper {
  display: flex;
  overflow: hidden;
}
body .tab .wrapper .content .text_wrapper div {
  min-width: 100%;
  padding: 0.7rem;
  transition: 250ms;
  transform: translateX(var(--transform-x-percen));
}
body .tab .wrapper .content  {
  font-size: 1.7rem;
}/*# sourceMappingURL=style.css.map */
```

```javascript
const history=document.querySelector(".history")
const vision=document.querySelector(".vision")
const goal=document.querySelector(".goals")
const content=document.querySelector(".text_wrapper")

const moveToHistory=()=>{
    content.style.cssText="--transform-x-percen:0%;"
    clearActive()
    history.classList.add("active")
}
const moveToVision=()=>{
    content.style.cssText="--transform-x-percen:-100%;"
    clearActive()
    vision.classList.add("active")
}
const moveToGoal=()=>{
    content.style.cssText="--transform-x-percen:-200%;"
    clearActive()
    goal.classList.add("active")
}
history.addEventListener("click",moveToHistory)
vision.addEventListener("click",moveToVision)
goal.addEventListener("click",moveToGoal)
const clearActive=()=>{
    if(history.classList.contains("active")){
        history.classList.remove("active")
    }
    if(vision.classList.contains("active")){
        vision.classList.remove("active")
    }
    if(goal.classList.contains("active")){
        goal.classList.remove("active")
    }
}
```

Output:

About

Hello welcome to new design in javascript with me.

History	Vision	Goal

History

Historically, letters have existed from ancient India, ancient Egypt and Sumer, through Rome, Greece and China, up to the present day. During the 17th and 18th centuries, letters were used to self-educate. The main purposes of letters were to send

Ex2

Src:

```
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>Responsive Menu</title>
8       <link rel="stylesheet" href="./Ex2.css">
9   </head>
10  <body>
11      <section class="food-area">
12          <div class="container">
13              <div class="title">
14                  <h4>our menu</h4>
15                  <div style="margin: auto; width: 300px; border: 2px solid rgb(175, 156, 156); align-items: center; text-align: center;"></div>
16                  <div class="btn_wraper"  style="display: flex; justify-content: center; gap: 50px; margin-top: 30px;">
17                      <button class="btn">All</button>
18                      <button class="btn">Breakfast</button>
19                      <button class="btn">Lunch</button>
20                      <button class="btn">Snake</button>
21                      <button class="btn">Dinner</button>
22                  </div>
23              </div>
24              <div class="foods">
25                  <div class="single-food">
26                      <div class="food-img">
27                          <img src="./image/img4" alt="">
28
29
30                      </div>
31                      <ul class="food-list">
32                          <div>
33                              <li style="font-weight: 900; color: blue;">Dinner Double <span>$13.99</span></li>
34                              <li>vaporware iPhone mumblecore selvage raw denim slow-carb leggings gochujang helvetica man braid jianbing Marta thundercats</li>
35                          </div>
36                      </ul>
37
38                  </div>
39                  <div class="single-food">
40                      <div class="food-img">
41                          <img style="width: 100%; height: 100%;" src="./image/img2" alt="">
42
43                      </div>
44                      <ul class="food-list">
45                          <div>
46                              <li style="font-weight: 900; color: blue;">Dinner Double <span>$13.99</span></li>
47                              <li>vaporware iPhone mumblecore selvage raw denim slow-carb leggings gochujang helvetica man braid jianbing Marta thundercats</li>
48                          </div>
49                      </ul>
50
51                  </div>
52                  <div class="single-food">
53                      <div class="food-img">
54                          <img src="./image/img2" alt="">
55
56                      </div>
57                      <ul class="food-list">
58                          <div>
59                              <li style="font-weight: 900; color: blue;">Dinner Double <span>$13.99</span></li>
60                              <li>vaporware iPhone mumblecore selvage raw denim slow-carb leggings gochujang helvetica man braid jianbing Marta thundercats</li>
61                          </div>
62                      </ul>
63
64                  </div>
65                  <div class="single-food">
66                      <div class="food-img">
67                          <img src="./image/img4" alt="">
68
69                      </div>
70                      <ul class="food-list">
71                          <div>
72                              <li style="font-weight: 900; color: blue;">Dinner Double <span>$13.99</span></li>
73                              <li>vaporware iPhone mumblecore selvage raw denim slow-carb leggings gochujang helvetica man braid jianbing Marta thundercats</li>
74                          </div>
75                      </ul>
76
77                  </div>
78                  <div class="single-food">
79                      <div class="food-img">
80                          <img src="./image/img5" alt="">
81
82                      </div>
83                      <ul class="food-list">
84                          <div>
85                              <li style="font-weight: 900; color: blue;">Smoothie<span>$10.99</span></li>
86                              <li>vaporware iPhone mumblecore selvage raw denim slow-carb leggings gochujang helvetica man braid jianbing Marta thundercats</li>
87                          </div>
88                      </ul>
89
90                  </div>
91                  <div class="single-food">
92                      <div class="food-img">
93                          <img src="./image/img5" alt="">
94                      </div>
95                      <ul class="food-list">
96                          <div>
97                              <li style="font-weight: 900; color: blue;">Normal Pancaked <span>$15.99</span></li>
98                              <li>vaporware iPhone mumblecore selvage raw denim slow-carb leggings gochujang helvetica man braid jianbing Marta thundercats</li>
99                          </div>
100                     </ul>
101
102                 </div>
103             </div>
104         </div>
105     </section>
106 </body>
107 </html>
```
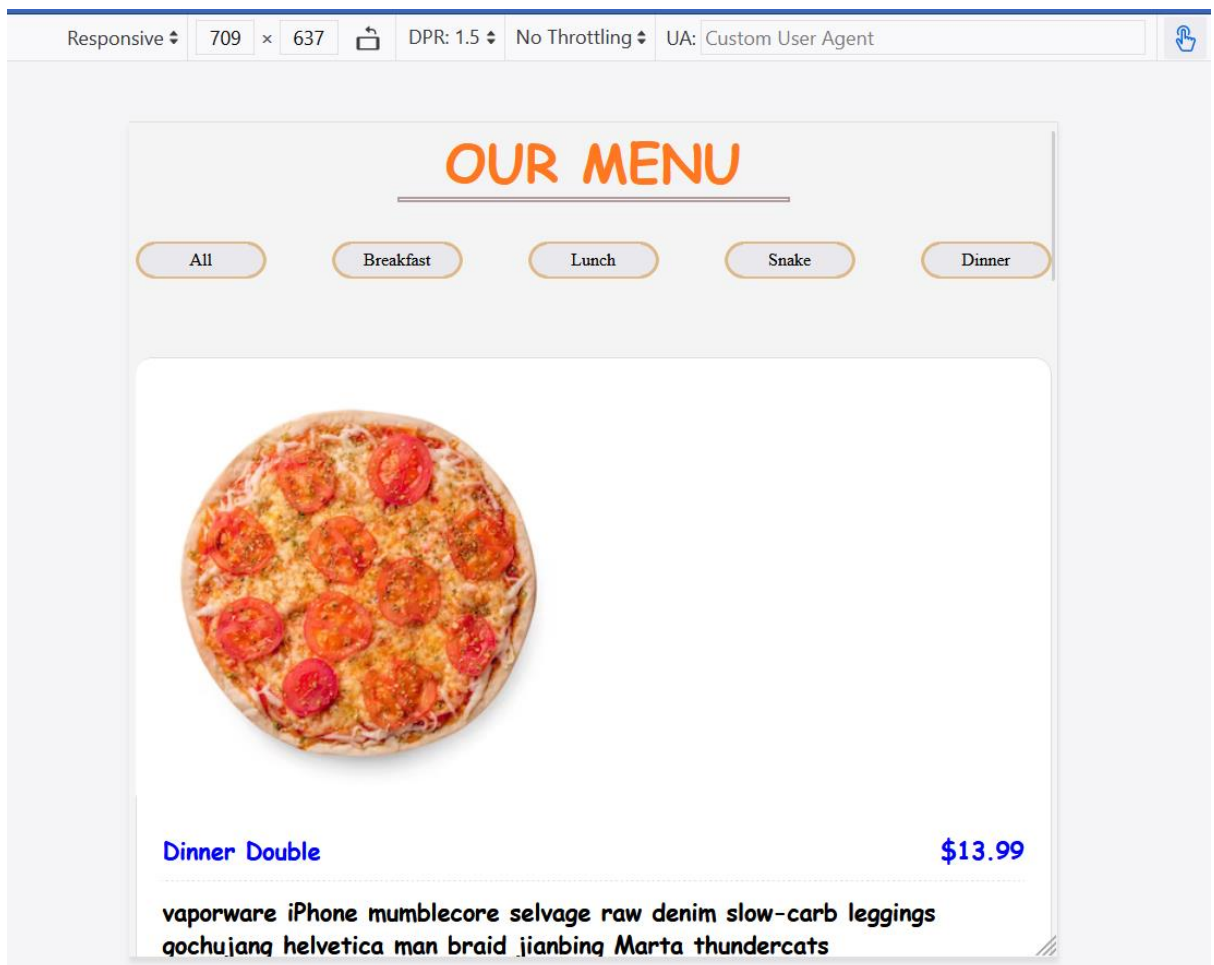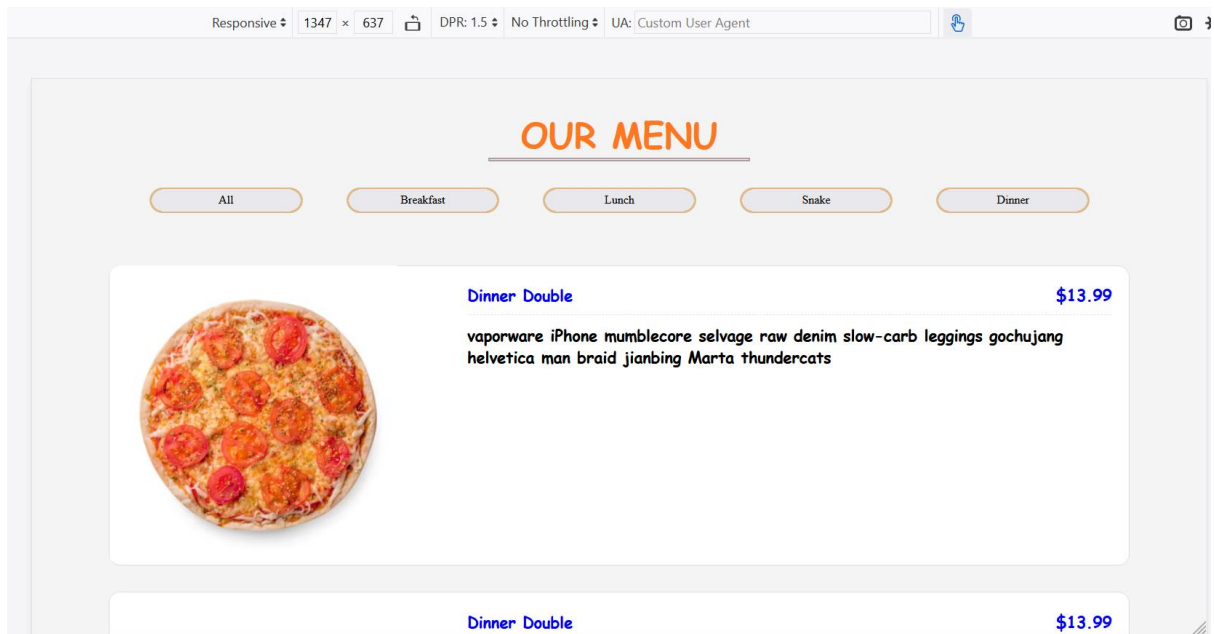
```css
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
@import url('https://fonts.googleapis.com/css2?family=Oleo+Script+Swash+Caps&display=swap');
@import url('https://fonts.googleapis.com/css2?family=Montserrat:wght@400;600;700&display=swap');

body{
    font-family: "Comic Sans MS", cursive;
}

.food-area {
    background-color: #f4f4f4;
    padding: 30px 0;
}
.container {
    width: 1170px;
    margin: 0 auto;
}
.title {
    text-align: center;
    margin-bottom: 60px;
}
.title p {
    font-family: 'Oleo Script Swash Caps', cursive;
    font-size: 22px;
}
.title h4 {
    text-transform: uppercase;
    font-size: 40px;
    margin-top: 5px;
    color: #ff7720;
}
div .btn_wrapper button{
    padding: 0.2rem 0.7rem;
    border: none;
    position: relative;
    --border-radius:7px;
    border-radius: var(--border-radius);
}
button .btn{
    background-image: linear-gradient( 50deg, rgba(167, 140, 7, 0.973), rgba(238, 204, 37, 0.973));
    border: 7px;
}
.foods {
    display: inline;
    flex-wrap: wrap;
    justify-content: space-between;
}
.single-food {
    background-color: #fff;
    border: 1px solid #ddd;
    border-radius: 12px;
    margin-bottom: 30px;
    overflow: hidden;
    flex-basis: 31%;
    display: flex;
}
.food-img {
    position: relative;
    height: 100%;
    width: 50%;
    border-radius: 0.7rem;
    overflow: hidden;
}
.food-img img {
    border-radius: 12px 12px 0 0;
    transition: .3s;
}
.btn{
    width: 15%;
    border: 2px solid burlywood;
    border-radius: 1rem;
}
.food-img h4 {
    position: absolute;
    left: 0;
    top: -50px;
    background-color: #ff7720;
    color: #fff;
    text-transform: capitalize;
    padding: 10px 20px;
    font-size: 22px;
    font-weight: 600;
    transition: .3s;
}
.single-food:hover .food-img h4 {
    top: 0;
}
.single-food:hover img {
    transform: scale(1.1) rotate(3deg);
}

.food-list {
    padding: 20px;
    list-style: none;

}
.food-list li {
    font-weight: 400;
    font-size: 18px;
    display: flex;
    justify-content: space-between;
    border-bottom: 1px dashed #ddd;
    padding-bottom: 10px;
    margin-bottom: 10px;
}
.food-list li:last-child {
    border-bottom: 0;
    margin-bottom: 0;
    padding-bottom: 0;
    font-weight: 600;
}
.single-food a {
    text-decoration: navajowhite;
    background-color: #ff7720;
    color: #fff;
    text-transform: uppercase;
    font-weight: 600;
    display: block;
    padding: 10px 20px;
    width: 160px;
    margin: 20px auto 25px auto;
    border-radius: 9px;
    transition: .3s;
}
.single-food a:hover {
    background-color: orange;
}

@media only screen and (min-width:992px) and (max-width:1170px) {
    .container{
        width: 1200px;
    }
    .single-food{
        justify-content: flex-start;
    }
}

@media only screen and (min-width:768px) and (max-width:991px) {
    .container{
        width: 982px;
    }

}

@media only screen and (max-width:767px) {
    .container{
        width: 700px;
    }
    .single-food{
    flex-direction: column;
    }
}
```

Output:

Src:

```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>Counter</title>
    <link rel="stylesheet" href="./Ex3.css">
    <script src="./Ex3.js" defer></script>
</head>
<body>
    <main>
        <div class="container">
            <h1>Counter</h1>
            <span id="value">0</span>
            <div class="wrapper">
                <button class="btn decrease">DECREASE</button>
                <button class="btn reset">RESET</button>
                <button class="btn increase">INCREASE</button>
            </div>
        </div>
    </main>
</body>
</html>
```

```css
1   @import url("https://fonts.googleapis.com/css2?family=Itim&amp;display=swap");
2   :root {
3       --font-main:"Comic Sans MS", cursive;
4   }
5   * {
6       margin: 0;
7       padding: 0;
8       box-sizing: border-box;
9   }
10
11  body {
12      width: 100vw;
13      background-color: #5F9EA0;
14      display: flex;
15      justify-content: center;
16      align-items: center;
17  }
18  body .container {
19      display: flex;
20      justify-content: center;
21      border: 3px solid black;
22      align-items: center;
23      flex-direction: column;
24      width: 60vw;
25      min-height: 80vh;
26      background-color: #FFDAB9;
27      margin-top: 5rem;
28  }
29  @media only screen and (max-width: 50%) {
30      body .container {
31          width: 90%;
32      }
33  }
34  body .container h1 {
35      font-family: var(--font-main);
36      font-size: 4rem;
37      color:#0000CD;
38  }
39  body .container  > span {
40      font-size: 3.5rem;
41      color: #556B2F;
42  }
43  body .container .wrapper button + button {
44      margin-left: 0.7rem;
45  }
46  body .container .wrapper button {
47      padding: 0.3rem 0.7rem;
48      background-color: #FFDAB9;
49      border-radius: 4px;
50      text-transform: uppercase;
51      cursor: pointer;
52      transition: 250ms;
53      font-weight: bold;
54      font-size: 1.2rem;
55  }
56  @media only screen and (max-width: 600px) {
57      body .container .wrapper button {
58          font-size: 0.9rem;
59      }
60  }
61  body .container .wrapper button.increase {
62      background-color:#87CEEB;
63      color: white;
64  }
65  body .container .wrapper button.increase:hover {
66      background-color: #BC8F8F;
67      color: blue;
68  }
69  body .container .wrapper button.decrease {
70      background-color:#87CEEB;
71      color: white;
72  }
73  body .container .wrapper button.decrease:hover {
74      background-color: #BC8F8F;
75      color: blue;
76  }
77  body .container .wrapper button.reset {
78      background-color:#87CEEB;
79      color: red;
80  }
81  body .container .wrapper button.reset:hover {
82      background-color: red;
83      color: white;
84  }
85  body .container .wrapper button:hover {
86      background-color: #222222;
87      color: white;
88  }/*# sourceMappingURL=style.css.map */
```

```
1   //set initial count
2   let count=window.localStorage.getItem("count")!=null ?window.localStorage.getItem("count"):0 ;
3
4   //set value and buttons
5   const value=document.querySelector("#value");
6   const buttons=document.querySelectorAll(".btn");
7   value.textContent=count;
8   buttons.forEach(function(button){
9       button.addEventListener('click', function(e){
10          const styles=e.currentTarget.classList;
11          if(styles.contains("decrease")){
12              count--;
13          }
14          else if(styles.contains("increase")){
15              count++;
16          }
17          else{
18              count=0;
19
20          }
21          save()
22          value.textContent=count;
23      })
24  });
25  const save=()=>{
26      window.localStorage.setItem("count",count)
27  }
```

Output:

Ex4

Src:

```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>Random Color Generator</title>
    <link rel="stylesheet" href="./Ex4.css">
    <script src="./Ex4.js" defer></script>
</head>
<body>
    <div class="container">
        <div class="header">
            <h1>Random Color Generator</h1>
            <div class="wrapper">
                <div class="gener">
                    <h1>Background Color:</h1>
                    <div class="color_code"></div>
                </div>
                <div class="btn">
                    <button id="generate">GENERATE</button>
                    <button id="reset">RESET</button>
                </div>
                <div class="src_output"></div>
            </div>
        </div>
    </div>
</body>
</html>
```
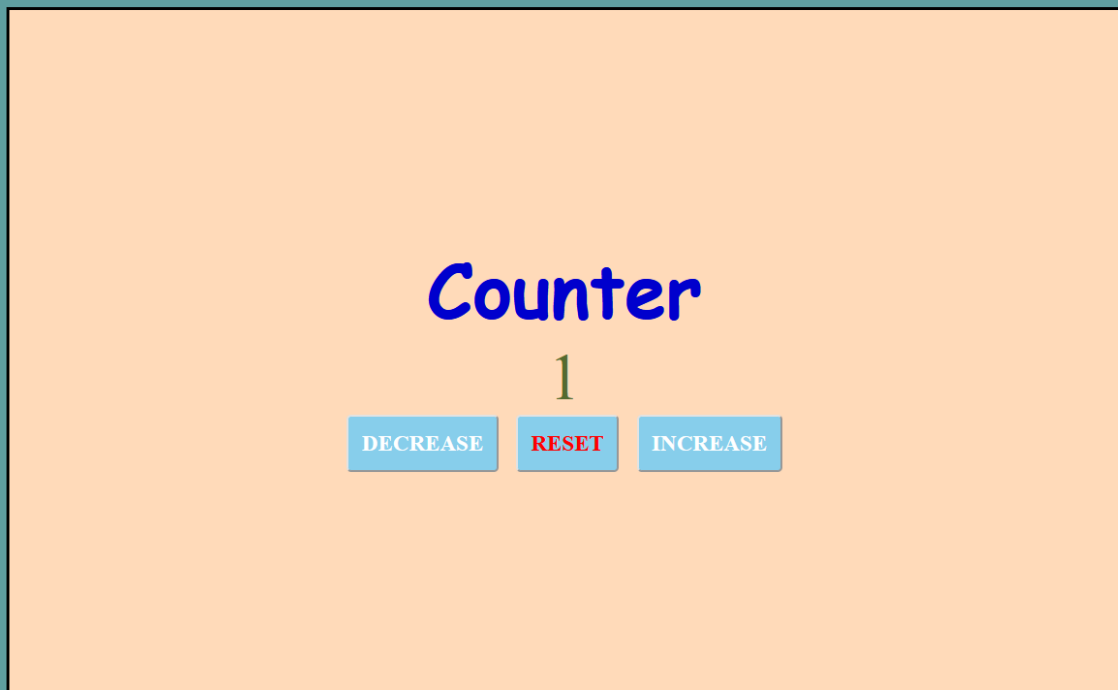
```css
1   * {
2       margin: 0;
3       padding: 0;
4       box-sizing: border-box;
5       border: none;
6       outline: none;
7       font-family: "Comic Sans MS", cursive;
8   }
9
10  body {
11      background-color: #a7acaf;
12  }
13  .container{
14      width:45%;
15      height:100vh;
16      background-color: rgb(222, 232, 231);
17      padding: 1.1em 1.1em;
18      position: absolute;
19      transform: translate(-50%,-50%);
20      top: 50%;
21      left: 50%;
22      border-radius: 10px;
23      border: 3px solid black;
24  }
25  @media only screen and (max-width: 50%) {
26      .container {
27          width: 100%;
28      }
29  }
30  .header h1{
31      font-size: 25px;
32      text-align: center;
33      color: #09599a;
34
35  }
36  .wrapper{
37      background-color: var(--bg-color);
38      height: 90vh;
39  }
40  .wrapper h1{
41      color: white;
42  }
43  .color_code {
44      display: block;
45      width: 100%;
46      color: var(--bg-color);
47      font-size: 1.5rem;
48      font-weight: 600;
49      text-align: center;
50  }
51  .gener{
52      width: 50%;
53      height: 15%;
54      background-color: rgb(39, 15, 15);
55      margin-left: 7.5rem;
56      border-radius: 2rem;
57  }
58  .btn{
59      margin-top: 10vh;
60      width: 100%;
61      display: flex;
62      justify-content: center;
63      gap: 1rem;
64  }
65  .btn button{
66      font-size: 1rem;
67      padding: 0.8em 1.7em;
68      border-radius: 7px;
69      width: 12vw;
70      font-weight: 600;
71      cursor: pointer;
72  }
73  #generate{
74      background-color: #205e94;
75      color: #ffffff;
76  }
77  #reset{
78      background-color: #d23332;
79      color: #ffffff;
80  }
81  .src_output{
82      text-align: center;
83      margin-top: 8vh;
84      background-color: rgb(248, 227, 227);
85      width: 100%;
86      height: 40vh;
87      color: rgb(62, 55, 47);
88      font-size: 1.5rem;
89      overflow-y: auto ;
90      /* --scroll-bar-color:transparent */
91      font-weight: 600;
92
93  }
94
95
```
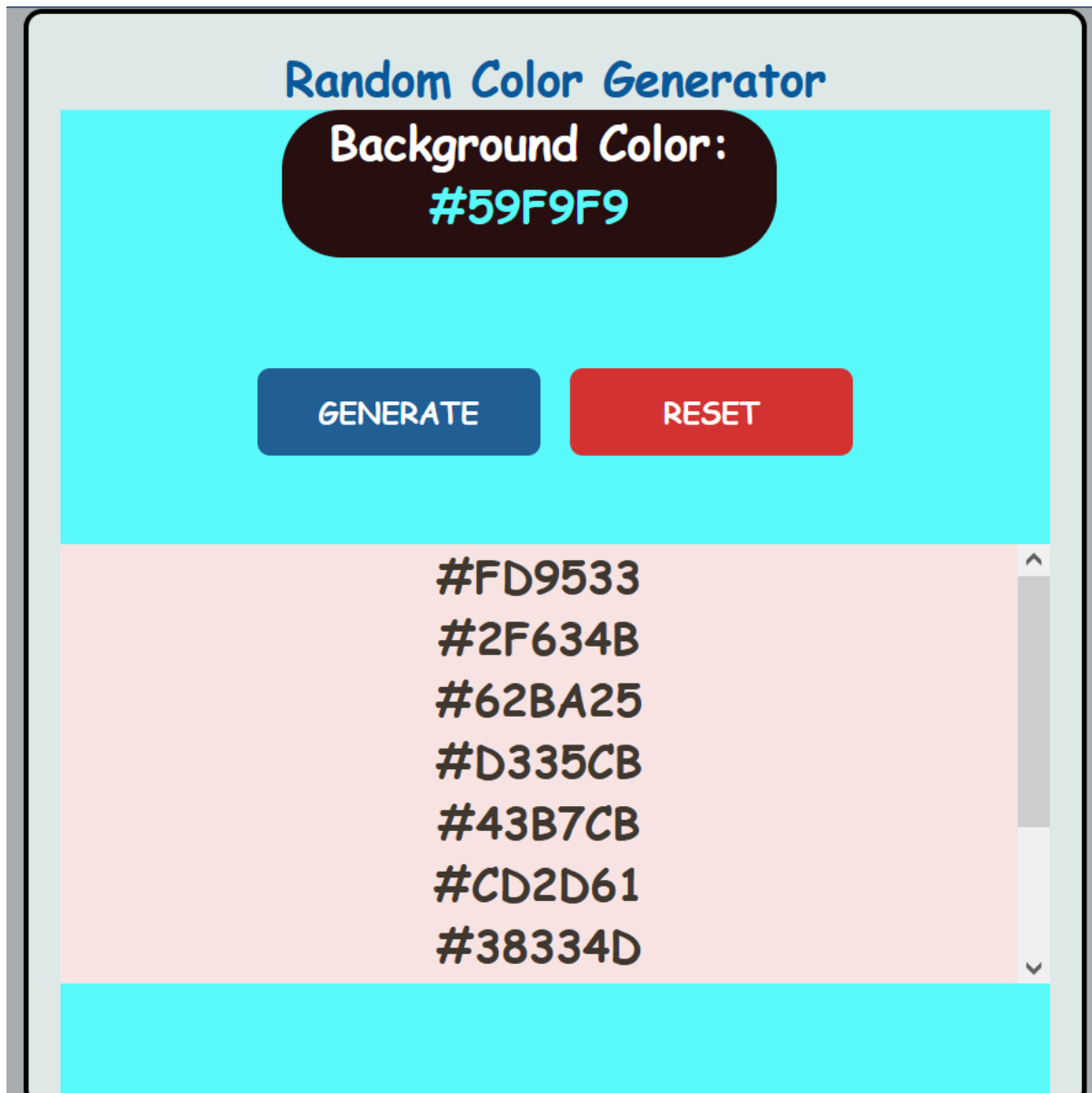
```javascript
class ColorRandom{
    constructor(){
        this.colorType="Hex";
        this.record=this.getRecord();
        this.lastestColor=this.record!=[]?this.record[this.record.length-1]:" ";
        if(this.lastestColor!=" " &&  this.lastestColor!=null && this.lastestColor!=undefined){
            this.update()
        }
    }
    generate(){
        const hexValue=[1,2,3,4,5,6,7,8,9,'A','B','C','D','E','F'];
        var hexColor='#';
        for (let i=0;i<6;i++){
            var index=Math.floor(Math.random()*hexValue.length);
            hexColor+=hexValue[index];

        }
        this.lastestColor=hexColor
        this.update()
        this.save()
    }
    getRecord(){
        return window.localStorage.getItem("colorRecord")!=null?JSON.parse(window.localStorage.getItem("colorRecord")):[];
    }
    reset(){
        this.record=[];
        this.lastestColor="  "
        document.querySelector(".src_output").innerHTML=""
        document.querySelector(".src_output").style.cssText=`--scroll-bar-color:transparent`;
        document.querySelector(".container").style.cssText=`--bg-color:transparent;`
        document.querySelector(".color_code").innerHTML=this.lastestColor;
        this.save()
    }
    update(){
        document.querySelector(".src_output").style.cssText=`--scroll-bar-color:${this.lastestColor};`;
        document.querySelector(".container").style.cssText=`--bg-color:${this.lastestColor};`
        document.querySelector(".color_code").innerText=this.lastestColor;
            if(this.lastestColor!=this.record[this.record.length-1]){
            this.record=[...this.record,this.lastestColor];
        }
        let tmpHtml="";
        this.record.forEach(item => {
            tmpHtml+= `<div class="color" style="--color-box-bg:${item};">
            ${item}
            </div>`
        });
        document.querySelector(".src_output").innerHTML=tmpHtml;


    }
    save(){
        window.localStorage.setItem("colorRecord",JSON.stringify(this.record))
    }
}
const color=new ColorRandom;
document.querySelector("#generate").addEventListener("click",()=>{
    color.generate()
})
document.querySelector("#reset").addEventListener("click",()=>{
    color.reset()
})
```

Output:

Random Color Generator

Background Color:
#59F9F9

GENERATE   RESET

#FD9533
#2F634B
#62BA25
#D335CB
#43B7CB
#CD2D61
#38334D

Ex5

Src:

```html
1   <html lang="en">
2   <head>
3       <meta charset="UTF-8">
4       <meta name="viewport" content="width=device-width, initial-scale=1.0">
5       <meta http-equiv="X-UA-Compatible" content="ie=edge">
6       <title>Responsive Navigation Bar</title>
7       <link rel="stylesheet" href="./Ex5.css">
8       <script src="./Ex5.js" defer></script>
9       <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.14.0/css/all.min.css">
10  </head>
11  <body>
12      <header class="header">
13          <div class="container">
14              <div class="row align-items-center justify-content-between">
15                  <div class="logo">
16                      <a href="#">NAR-BAR</a>
17                  </div>
18                  <button type="button" class="nav-toggler">
19                      <span></span>
20                  </button>
21                  <nav class="nav">
22                      <ul class="nava">
23                          <li><a href="#" class="active">Home</a></li>
24                          <li><a href="#">About</a></li>
25                          <li><a href="#">Projects</a></li>
26                          <li><a href="#">Contact</a></li>
27                      </ul>
28                      <ul class="social-icons">
29                          <li>
30                              <a href="https://www.twitter.com">
31                                  <i class="fab fa-facebook"></i>
32                              </a>
33                          </li>
34                          <li>
35                              <a href="https://www.twitter.com">
36                                  <i class="fab fa-twitter"></i>
37                              </a>
38                          </li>
39                          <li>
40                              <a href="https://www.twitter.com">
41                                  <i class="fab fa-behance"></i>
42                              </a>
43                          </li>
44                          <li>
45                              <a href="https://www.twitter.com">
46                                  <i class="fab fa-linkedin"></i>
47                              </a>
48                          </li>
49                          <li>
50                              <a href="https://www.twitter.com">
51                                  <i class="fab fa-sketch"></i>
52                              </a>
53                          </li>
54                      </ul>
55                  </nav>
56              </div>
57          </div>
58      </header>
59  </body>
60  </html>
```
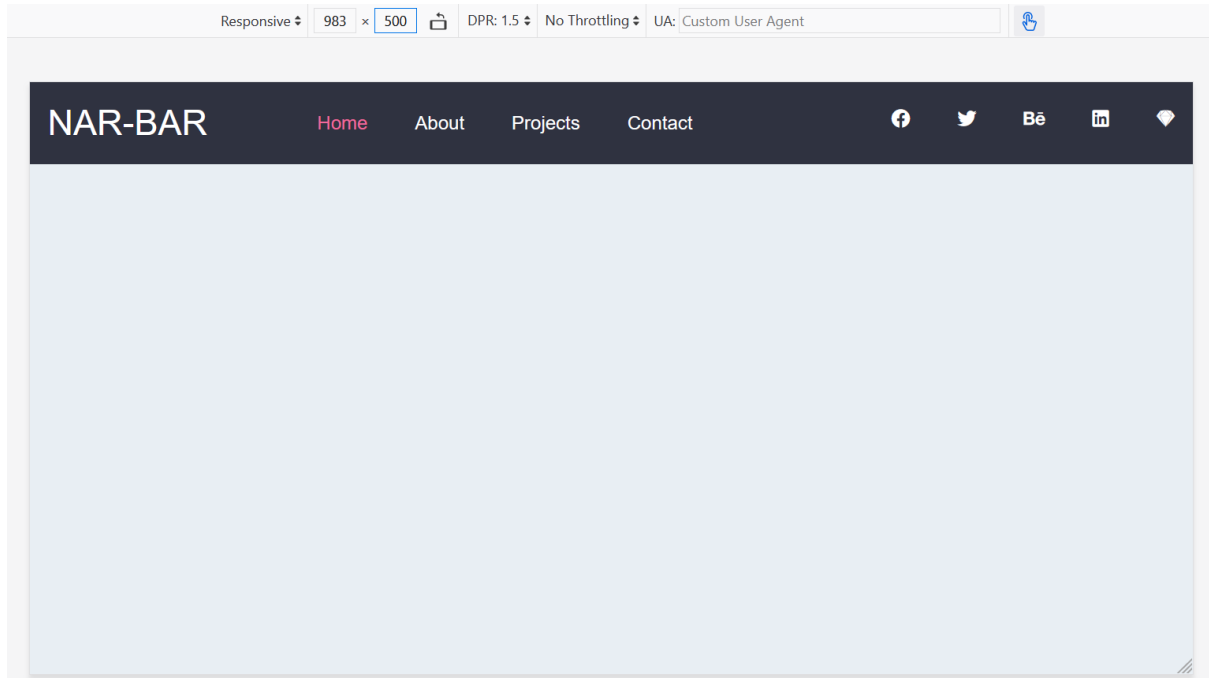
```css
:root{
    --color-1: #2f3240;
}
body{
    font-family: sans-serif;
    background-color: #e8eef3;
}
*{
    box-sizing: border-box;
    margin:0;
    padding:0;
}
ul{
    list-style: none;
}
a{
    text-decoration: none;
}
.container{
    max-width: 1170px;
    margin:auto;
}
.row{
    display: flex;
    flex-wrap: wrap;
}
.align-items-center{
    align-items: center;
}
.justify-content-between{
    justify-content: space-between;
}
/*header*/
.header{
    background-color: var(--color-1);
    padding: 12px 0;
    line-height: 1.5;
}

.header .logo,
.header .nav{
    padding:0 15px;
}
.header .logo a{
    font-size: 30px;
    color: #ffffff;
    text-transform: capitalize;
}
.header .nav ul li{
    display: inline-block;
    margin-left: 40px;
}
.header .nav ul li a{
    display: block;
    font-size: 16px;
    text-transform: capitalize;
    color: #ffffff;
    padding: 10px 0;
    transition: all 0.5s ease;
}
.header .nav ul li a.active,
.header .nav ul li a:hover{
    color: #f3699b;
}
.nav-toggler{
    height: 34px;
    width: 44px;
    background-color: #ffffff;
    border-radius: 4px;
    cursor: pointer;
    border:none;
    display: none;
    margin-right: 15px;
}
.nav-toggler:focus{
    outline: none;
    box-shadow: 0 0 15px rgba(255,255,255,0.5);
}
.nav-toggler span{
    height: 2px;
    width: 20px;
    background-color: var(--color-1);
    display: block;
    margin:auto;
    position: relative;
    transition: all 0.3s ease;
}
.nav-toggler.active span{
    background-color: transparent;
}
.nav{
    display: flex;
}
.nav-toggler span::before,
.nav-toggler span::after{
    content: '';
    position: absolute;
    left:0;
    top:0;
    width: 100%;
    height: 100%;
    background-color: var(--color-1);
    transition: all 0.3s ease;
}
.nav-toggler span::before{
    transform: translateY(-6px);
}
.nav-toggler.active span::before{
    transform: rotate(45deg);
}
.nav-toggler span::after{
    transform: translateY(6px);
}
.nav-toggler.active span::after{
    transform: rotate(135deg);
}
@media(max-width:770px){
    .nav-toggler{
        display: block;
    }
    .header .nav{
        width: 100%;
        padding:0;
        max-height: 0px;
        overflow: hidden;
        visibility: hidden;
        transition: all 0.5s ease;
    }
    .header .nav.open{
        visibility: visible;
    }
    .header .nav ul{
        padding:12px 15px 0;
        margin-top: 12px;
        border-top:1px solid rgba(159, 155, 155, 0.2);
    }
    .header .nav ul li{
        display: block;
        margin:0;
    }
}
.nava {
    display: inline-flex;
    padding-right: 8rem;
}
.social-icons {
    justify-self: center;
    display: flex;
    /* padding-bottom: 1rem; */
}
.social-icons a {
    font-size: 1.5rem;
    /* margin: 0 0rem; */
    /* padding-right: 1rem; */
}
```

```
1  const navToggler = document.querySelector(".nav-toggler");
2  navToggler.addEventListener("click", navToggle);
3
4  function navToggle() {
5      navToggler.classList.toggle("active");
6      const nav = document.querySelector(".nav");
7      nav.classList.toggle("open");
8      if(nav.classList.contains("open")){
9          nav.style.maxHeight = nav.scrollHeight + "px";
10     }
11     else{
12         nav.removeAttribute("style");
13     }
14 }
```

Output:

NAR-BAR ☰

Ex6

Src:

```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>Side Bar</title>
    <link rel="stylesheet" href="./Ex6.css">
    <script src="./Ex6.js" defer></script>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.14.0/css/all.min.css">
</head>
<body>
    <button class="sidebar-toggle">
        <i class="fas fa-bars colo"></i>
    </button>
    <aside class="sidebar">
        <div class="sidebar-header">
            <h3>SIDE-BAR</h3>
            <button class="close-btn">
                <i class="fas fa-times"></i>
            </button>
        </div>
        <ul class="links">
            <li>
                <a href="#">Home</a>
            </li>
            <li>
                <a href="#">About</a>
            </li>
            <li>
                <a href="#">Projects</a>
            </li>
            <li>
                <a href="#">Contact</a>
            </li>
        </ul>
        <ul class="social-icons">
            <li>
                <a href="https://www.twitter.com">
                    <i class="fab fa-facebook"></i>
                </a>
            </li>
            <li>
                <a href="https://www.twitter.com">
                    <i class="fab fa-twitter"></i>
                </a>
            </li>
            <li>
                <a href="https://www.twitter.com">
                    <i class="fab fa-behance"></i>
                </a>
            </li>
            <li>
                <a href="https://www.twitter.com">
                    <i class="fab fa-linkedin"></i>
                </a>
            </li>
            <li>
                <a href="https://www.twitter.com">
                    <i class="fab fa-sketch"></i>
                </a>
            </li>
        </ul>
    </aside>
</body>
</html>
```

```css
1   * {
2       margin: 0;
3       padding: 0;
4       box-sizing: border-box;
5       font-family: "Comic Sans MS", cursive;
6   }
7   body {
8       line-height: 1.5;
9       font-size: 0.875rem;
10      background-color: #f1f5f8;
11  }
12  ul {
13      list-style-type: none;
14  }
15  a {
16      text-decoration: none;
17  }
18  .colo{
19      color: #60a5fa;
20  }
21  .sidebar-toggle {
22      position: fixed;
23      top: 2rem;
24      right: 3rem;
25      font-size: 2rem;
26      background: transparent;
27      border-color: transparent;
28      cursor: pointer;
29      animation: bounce 2s ease-in-out infinite;
30  }
31
32  .sidebar-header {
33      margin-top: 2rem;
34      display: flex;
35      justify-content: space-between;
36      align-items: center;
37      font-weight: 2rem;
38      padding: 1rem 1.5rem;
39      color: blue;
40  }
41  .close-btn {
42      font-size: 1.75rem;
43      background: transparent;
44      border-color: transparent;
45      color: red;
46      cursor: pointer;
47  }
48  .close-btn:hover {
49      transform: rotate(360deg);
50  }
51  .logo {
52      justify-self: center;
53      height: 40px;
54  }
55  .links a {
56      display: block;
57      font-size: 1.5rem;
58      text-transform: capitalize;
59      padding: 1rem 1rem;
60      color: black;
61  }
62  .links a:hover {
63      padding-left: 1.75rem;
64  }
65  .social-icons {
66      justify-self: center;
67      display: flex;
68      padding-bottom: 2rem;
69  }
70  .social-icons a {
71      font-size: 1.5rem;
72      margin: 0 0.5rem;
73      padding-right: 1.5rem;
74
75  }
76  .sidebar {
77      position: fixed;
78      top: 0;
79      left: 0;
80      width: 100%;
81      height: 100%;
82      display: grid;
83      grid-template-rows: auto 1fr auto;
84      row-gap: 1rem;
85      transform: translate(-100%);
86      background-color: #ffffff;
87  }
88  .show-sidebar {
89      transform: translate(0);
90  }
91  @media screen and (min-width: 676px) {
92      .sidebar {
93          width: 400px;
94      }
95  }
```

```
1   const toggleBtn = document.querySelector(".sidebar-toggle");
2   const closeBtn = document.querySelector(".close-btn");
3   const sidebar = document.querySelector(".sidebar");
4
5   toggleBtn.addEventListener("click", function () {
6
7       sidebar.classList.toggle("show-sidebar");
8   });
9
10  closeBtn.addEventListener("click", function () {
11      sidebar.classList.remove("show-sidebar");
12  });
```

Output:

SIDE-BAR ✖

Home

About

Projects

Contact