INSTITUTE OF TECHNOLOGY OF CAMBDIA

DEPARTEMENT OF INFORMATION AND COMMUNICATION ENGINERING

Subject :   Internet Programming

Lecturer :   HOK TIN

TD02

Student Name

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TP02

Url github: https://github.com/Tuon-Sreynit/Internet-Programming/tree/tp-ip

Ex1: 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>Design UI</title>
8     <script src="tailwindcss.js"></script>
9   </head>
10
11  <body>
12    <!-- container -->
13    <div class="w-[50%] mx-auto mt-10 border-2 rounded-lg">
14      <!-- Account of user -->
15      <div class="border-b-[2px]">
16        <div class="w-[95%] mx-auto mt-[3%]">
17          <div class="flex justify-between">
18
19            <!-- profile -->
20            <div class="flex gap-[10px] items-center">
21              <!-- imgage of profole -->
22              <div>
23                <img src="./image/nit.jpg" alt="" class="w-[55px] rounded-full">
24              </div>
25              <!-- name and date -->
26              <div>
27                <div>
28                  <h1 class="font-bold text-[#385896] text-lg">Tuon Sreynit</h1>
29                </div>
30                <div class="flex gap-[4px] text-[#65676B] text-sm">
31                  <div>
32                    <p> January, 26, 2023 at 7:00 PM </p>
33                  </div>
34                  <!-- public sign -->
35                  <div>
36                    <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="currentColor" class="w-5 h-5">
37                      <path fill-rule="evenodd"
38                        d="M12 2.25c-5.385 0-9.75 4.365-9.75 9.75s4.365 9.75 9.75 9.75 9.75-4.365 9.75-9.75S17.385 2.25 12 2.25zM8.547 4.505a8.25 8.25 0 1011.672 8.2141-.46
39                        clip-rule="evenodd" />
40                      </svg>
```

```html
40                    </svg>
41                  </div>
42                </div>
43              </div>
44            </div>
45
46            <!-- choose dots -->
47            <div>
48              <svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="1.5"
49                stroke="currentColor" class="w-6 h-6">
50                <path stroke-linecap="round" stroke-linejoin="round"
51                  d="M6.75 12a.75.75 0 11-1.5 0 .75.75 0 011.5 0zM12.75 12a.75.75 0 11-1.5 0 .75.75 0 011.5 0zM18.75 12a.75.75 0 11-1.5 0 .75.75 0 011.5 0z" />
52              </svg>
53            </div>
54          </div>
55
56          <!-- caption and picture for post-->
57          <div class="mt-[3%]">
58            <!-- caption -->
59            <div>
60              <div class="leading-tight">
61                <p>Angkor Wat of Cambodia😊</p>
62                <p>Find information here. -> <a href="https://en.wikipedia.org/wiki/Angkor_Wat" class="text-[#1876F2] hover:underline">https://en.wikipedia.org</a></p>
63                <h3 class="mb-[1.5%]"><span class="text-[#1876F2] hover:underline">See translation</span></h3>
64              </div>
65              <!-- picture -->
66              <div>
67                <img src="./image/post_photo.jpg" alt="" class="w-[100%] h-[700px]">
68              </div>
69              <!-- like cmt and share -->
70              <div class="flex justify-around py-[3%] text-[#73787C]">
71                <botton type="botton" class="flex gap-[10%] hover:text-[#4581FB]">
72                  <div>
73                    <svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="4"
74                      stroke="currentColor" class="w-6 h-6">
75                      <path stroke-linecap="round" stroke-linejoin="round"
76                        d="M6.633 10.5c.806 0 1.533-.446 2.031-1.08a9.041 9.041 0 012.861-2.4c.723-.384 1.35-.956 1.653-1.715a4.498 4.498 0 00.322-1.672V3a.75.75 0 01.75-.75A2.25 2.25 0 0
77                    </svg>
78                  </div><b>Like</b>
```

```
 79              </botton>
 80              <botton type="botton" class="flex gap-[10%] hover:text-[#4581FB]">
 81                <div>
 82                  <svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="4"
 83                    stroke="currentColor" class="w-6 h-6">
 84                    <path stroke-linecap="round" stroke-linejoin="round"
 85                      d="M2.25 12.76c0 1.6 1.123 2.994 2.707 3.227 1.087.16 2.185.283 3.293.369V21l4.076a1.526 1.526 0 011.037-.443 48.282 48.282 0 005.68-.494c1.584-.233 2.707-1.6
 86                  </svg>
 87                </div><b>Comment</b>
 88              </botton>
 89              <botton type="botton" class="flex gap-[10%] hover:text-[#4581FB]">
 90                <div>
 91                  <svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="4"
 92                    stroke="currentColor" class="w-6 h-6">
 93                    <path stroke-linecap="round" stroke-linejoin="round" d="M15 1516-6m0 01-6-6m6 6H9a6 6 0 000 12h3" />
 94                  </svg>
 95                </div><b>Share</b>
 96              </botton>
 97            </div>
 98          </div>
 99
100        </div>
101      </div>
102
103
104      <div class="bg-[#F6F7F9]">
105        <!-- Write a comment -->
106        <div class="w-[95%] mx-auto">
107          <!-- emoji and number of like-->
108          <div class="flex py-[3%] gap-[2%]">
109            <!-- emoji -->
110            <div class="flex">
111              <div>
112                <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="currentColor"
113                  class="w-6 h-6 text-[#4581FB]">
114                  <path
115                    d="M7.493 18.75c-.425 0-.82-.236-.975-.632A7.48 7.48 0 016 15.375c0-1.75.599-3.358 1.602-4.634.151-.192.373-.309.6-.397.473-.183.89-.514 1.212-.924a9.042 9.042 0 012.
116                </svg>
117              </div>
118              <div>
119                <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="currentColor"
120                  class="w-6 h-6 text-[#EC5767]">
121                  <path
122                    d="M11.645 20.911-.007-.003-.022-.012a15.247 15.247 0 01-.383-.218 25.18 25.18 0 01-4.244-3.17C4.688 15.36 2.25 12.174 2.25 8.25 2.25 5.322 4.714 3 7.688 3A5.5 5.5 0
123                </svg>
124              </div>
125              <div>
126                <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="currentColor" class="w-6 h-6 text-[#F8C628]">
127                  <path fill-rule="evenodd" d="M10 18a8 8 0 100-16 8 8 0 000 16zm3.536-4.464a.75.75 0 10-1.061-1.061 3.5 3.5 0 01-4.95 0 .75.75 0 00-1.06 1.06 5 5 0 007.07 0zM9 8.5c0 .
128                </svg>
129              </div>
130            </div>
131            <div>
132              <p class="text-[#1876F2]">670</p>
133            </div>
134          </div>
135
136          <!-- cmt sth -->
137          <div class="pb-[2.5%] pt-[0%] flex gap-[2.5%] items-center">
138            <div>
139              <img src="./image/nit.jpg" alt="" class="w-[44px] rounded-full">
140            </div>
141            <!-- cmt -->
142            <div class="w-full h-[40px] border-2 rounded-3xl bg-white flex gap-[2.5%]">
143              <div class="grow w-full">
144                <form action="#">
145                  <input type="text" class="w-full h-[36px] rounded-1-3xl" placeholder="  Write a comment...">
146                </form>
147              </div>
148              <!-- more option -->
149              <div class="flex items-center gap-[4%] mr-[5%] grow-0 text-[#73787C]">
150                <botton type="botton" class="hover:text-[#F8C628]">
151                  <svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="1.5"
152                    stroke="currentColor" class="w-6 h-6">
153                    <path stroke-linecap="round" stroke-linejoin="round"
154                      d="M15.182 15.182a4.5 4.5 0 01-6.364 0M21 12a9 9 0 11-18 0 9 9 0 0118 0zM9.75 9.75c0 .414-.168.75-.375.75S9 10.164 9 9.75 9.168 9 9.375 9s.375.336.375.75zm-.375 0h.
155                  </svg>
156                </botton>
157                <botton type="botton" class="hover:text-[#4E47E5]">
158                  <svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="1.5"
159                    stroke="currentColor" class="w-6 h-6">
160                    <path stroke-linecap="round" stroke-linejoin="round"
161                      d="M6.827 6.175A2.31 2.31 0 015.186 7.23c-.38.054-.757.112-1.134.175C2.999 7.58 2.25 8.507 2.25 9.574V18a2.25 2.25 0 002.25 2.25h15A2.25 2.25 0 0021.75 18V9.574c0-1
162                    <path stroke-linecap="round" stroke-linejoin="round"
163                      d="M16.5 12.75a4.5 4.5 0 11-9 0 4.5 4.5 0 019 0zM18.75 10.5h.008v.008h-.008V10.5z" />
164                  </svg>
165                </botton>
166                <botton type="botton" class="hover:text-[#4E47E5]">
167                  <svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="1.5"
168                    stroke="currentColor" class="w-6 h-6">
169                    <path stroke-linecap="round" stroke-linejoin="round"
170                      d="M12.75 8.25v7.5m6-7.5h-3V12m0 0v3.75m0-3.75H18M9.75 9.348c-1.03-1.464-2.698-1.464-3.728 0-1.03 1.465-1.03 3.84 0 5.304 1.03 1.464 2.699 1.464 3.728 0V12h-1.5M4.5
171                  </svg>
172                </botton>
173              </div>
174            </div>
175          </div>
176        </div>
177      </div>
178    </div>
179  </body>
180  </html>
```

Output:

Ex2: 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>Runaway Button</title>
    <script src="./dist/tween.umd.js"></script>
    <script src="./tailwindcss.js"></script>
</head>
<body class=" bg-indigo-300">
    <div>
        <button class="btn bg-white w-[200px] h-[50px]
        text-[30px] text-center rounded-[12px]"
        id="btn" onmouseover="run()">Click Me🤣</button>
    </div>

    <script>
        var sqrt = document.getElementById("btn")
        var start = [0, 0]

        function render(x, y) {
        sqrt.style.position = 'absolute';
        sqrt.style.top = x + 'px';
        sqrt.style.left = y + 'px';
        sqrt.style.color = "white";
        sqrt.style.background = '#'+Math.floor(Math.random()*1000000).toString(16);
        sqrt.style.height = Math.floor(Math.random() * (45 - 2 + 1)) + 6 + 'px';
        sqrt.style.width = Math.floor(Math.random() * (150 - 51 + 1)) + 100 + 'px';
        }

        function animate() {
        requestAnimationFrame(animate)
        TWEEN.update()
        }
        requestAnimationFrame(animate)

        const moveFromSourceToDest = (startX, startY, EndX, EndY) => {
        const coords = { x: startX, y: startY }
        const tween = new TWEEN.Tween(coords)
            .to({ x: EndX, y: EndY }, 1000)
            .easing(TWEEN.Easing.Quadratic.Out)
            .onUpdate(() => {
                render(coords.x, coords.y)
                start[0] = coords.x
                start[1] = coords.y
            })
            .start()
        }

        function run() {
        const rundx = Math.floor(Math.random() * document.documentElement.clientHeight * 1)
        const rundy = Math.floor(Math.random() * document.documentElement.clientWidth * 1)
        moveFromSourceToDest(start[0], start[1], rundx, rundy)
        }
    </script>
</body>
</html>
```
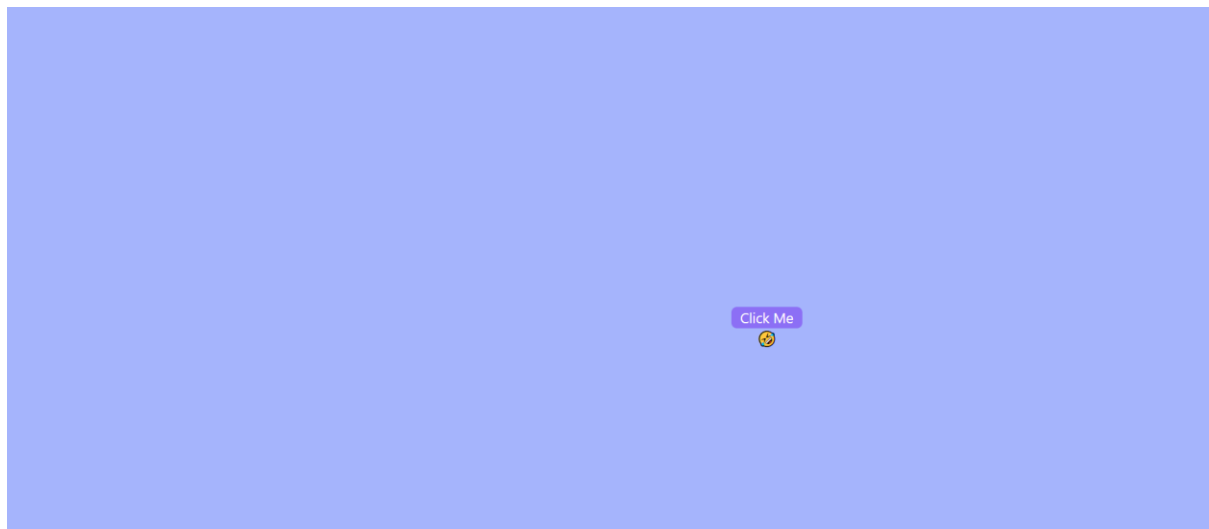
Output:

Click Me
😊

Ex3: 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>Canvas Upload Image File</title>
8       <script src="./tailwindcss.js"></script>
9   </head>
10  <body class="bg-black">
11      <div class="w-[50%] absolute top-[50%] left-[50%] translate-y-[-50%]
12      translate-x-[-50%] border-2 rounded-lg bg-cyan-500 text-white text-xl">
13          <div class="w-[98%] my-[1%] mx-auto content-center">
14              <canvas id="Canvas" class="w-full bg-white bg-gradient-to-r
15              from-purple-300 to-blue-300 border-white border-2"></canvas>
16              <p class="py-[2.5%] text-center"> Canvas 🐾 : Insert me an image please!</p>
17              <div class="text-center pb-[2.5%]">
18                  <input type="file" id="uploadImg" name="uploadImg" class="rounded-lg">
19              </div>
20          </div>
21      </div>
22
23      <script>
24          var canvas = document.getElementById('Canvas');
25          var inputImage = document.getElementById('uploadImg');
26          var ctx = canvas.getContext('2d');
27
28          inputImage.addEventListener('change', function () {
29              var img = new Image();
30
31              img.src = URL.createObjectURL(this.files[0]);
32              img.onload = function () {
33                  canvas.width = img.naturalWidth;
34                  canvas.height = img.naturalHeight;
35                  ctx.drawImage(img, 0, 0);
36              };
37          });
38      </script>
39  </body>
40  </html>
```

Output:

Canvas 🐾 : Insert me an image please!

Browse... post_photo.jpg

Ex4: Source Code:

```
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>Canvas Camera Video</title>
8       <script src="./tailwindcss.js"></script>
9   </head>
10  <body class="bg-blue-200">
11      <div class="absolute top-[50%] left-[50%] translate-y-[-50%] w-[50%] text-[#ede7e3]
12          translate-x-[-50%] rounded-lg text-xl text-[30px] drop-shadow-51g shadow-[#1E293B] bg-neutral-500">
13          <div>
14              <canvas id="canvasVideoLive" class="w-[95%] aspect-[5/3]
15              bg-[#eff7f6] border-2-[#ECF8F8] rounded-lg m-auto"></canvas>
16          </div>
17          <div class="mt-[0.25%]  mb-[10px] w-[60%] mx-auto rounded-b-[10px]">
18              <center>
19                  <p class="py-[1.5%] text-white mx-[100px] mx-auto w-[80%]">
20                      Canvas 🐢: Please show your face on me
21                  </p>
22                  <div class="w-[2.5%] h-[2.5%] bg-[#3C3C3C]"></div>
23                  <button id="switchButton" class="bg-green-500 text-white text-[30px] mt-[7%]
24                  w-[150px] mb-[2.5%] py-[0.5%] rounded-[50px]"> Play
25                  </button>
26              </center>
27          </div>
28      </div>
29
30      <script>
31          var isPlaying = true;
32          document.getElementById("switchButton").addEventListener("click", playOrPause);
33
34          function playOrPause() {
35              var switchButton = document.getElementById("switchButton");
36              if (isPlaying) {
37                  isPlaying = false;
38                  switchButton.style.background = "#22C55E";
39                  switchButton.innerHTML = "Contiune";
40                  switchButton.addEventListener("click", displayVideo);
```
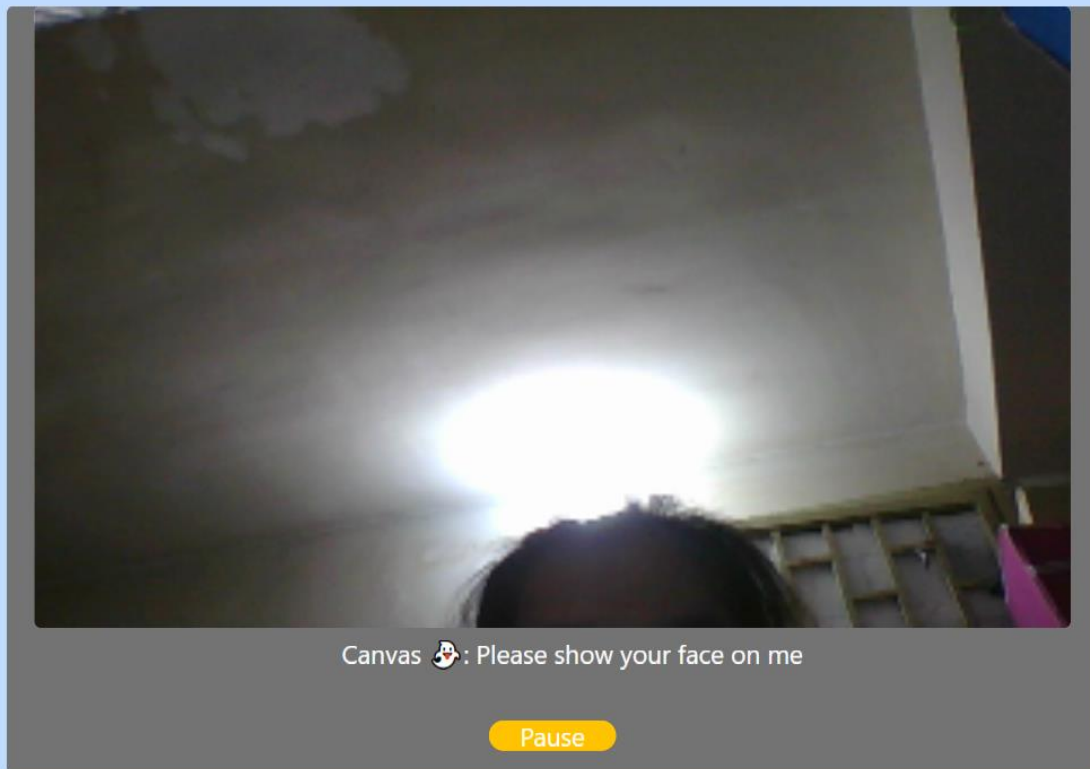
```
41              } else {
42                  isPlaying = true;
43                  switchButton.style.background = "#ffc300";
44                  switchButton.innerHTML = "Pause";
45                  dswitchButton.addEventListener("click", pauseVideo);
46              }
47          }
48
49          //access the camera
50          var video = document.createElement("video");
51          video.autoplay = true;
52
53          navigator.mediaDevices.getUserMedia({
54              audio: false, video: true
55          }).then((stream) => {
56              video.srcObject = stream;
57          }).catch((err) => {
58              console.log("navigator.MediaDevices.getUerMedia error: ", err.message, err.name);
59          });
60
61          //loop drawing
62          var vdoLive = document.getElementById('canvasVideoLive');
63          var ctxVdoLive = vdoLive.getContext('2d');
64
65          function displayVideo() {
66              if (isPlaying) {
67                  ctxVdoLive.drawImage(video, 0, 0, vdoLive.width, vdoLive.height);
68                  setTimeout(displayVideo, 1000 / 30); //video 30fps
69              }
70          }
71          function pauseVideo() {
72              if (!isPlaying) {
73                  ctxVdoLive.clearRect(0, 0, vdoLive.width, vdoLive.height);
74              }
75          }
76      </script>
77  </body>
78  </html>
```

Output:

Ex5: 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>Canvas Camera Video with Multiple Projection</title>
8      <script src="./tailwindcss.js"></script>
9  </head>
10 <body class="bg-teal-200">
11     <div>
12         <div class="absolute top-[50%] left-[50%] translate-y-[-50%] w-[1500px]  text-[#ede7e3]
13             translate-x-[-50%] rounded-lg  text-xl text-[1.5rem] drop-shadow-51g shadow-[#1E293B] bg-[#808080]">
14
15             <!-- for screens -->
16             <div class="flex justify-between w-[100%]">
17                 <!-- part: video live -->
18                 <div class="wrapper w-[50%] p-2.5">
19                     <canvas id="canvasVideoLive" class="w-[100%] aspect-[5/3] rounded-lg
20                     bg-[#ecf8f8] border-[#eff7f6] border-[2px] "></canvas>
21                     <!-- display button -->
22                     <div class="w-[50%] mt-[10px] rounded-[99px] text-[#3C3C3C] m-auto">
23                         <p class="py-[2.5%] text-[20px] w-full"> Canvas 🐧: Please show your face on me</p>
24                     </div>
25                     <div class="flex justify-center items-center">
26                         <button id="switchButton" class="bg-green-500 text-white text-[20]
27                         w-[10rem] mb-[2.5%] py-[0.7%] rounded-[40px] text-4xl ">Play</button>
28                     </div>
29                 </div>
30
31                 <!-- part: multiple screen -->
32                 <div class="GridVideo w-[50%] p-2.5">
33                     <p id="project" class="underTV w-[600px] bg-black text-4xl m-auto text-center rounded">Multiple Projection with Canvases</p>
34                     <canvas id="canvasMultiScreens" class="w-[100%] aspect-[5/3] bg-[#ecf8f8] rounded-lg
35                     border-[#eff7f6] border-[2px]"></canvas>
36                 </div>
37             </div>
38         </div>
39     </div>
40
```

```
41
42    <script>
43        var isPlaying = true;
44        document.getElementById("switchButton").addEventListener("click", playOrPause);
45
46
47        function playOrPause() {
48            var switchButton = document.getElementById("switchButton");
49            if (isPlaying) {
50                isPlaying = false;
51                switchButton.style.backgroundColor = "#02c39a";
52                switchButton.innerHTML = "Play";
53                switchButton.addEventListener("click", displayVideo);
54            } else {
55                isPlaying = true;
56                switchButton.style.backgroundColor = "#f8e16c";
57                switchButton.innerHTML = "Pause";
58                dswitchButton.addEventListener("click", pauseVideo);
59            }
60        }
61
62        //access the camera
63        var video = document.createElement("video");
64        video.autoplay = true;
65
66        navigator.mediaDevices.getUserMedia({
67            audio: false, video: true
68        }).then((stream) => {
69            video.srcObject = stream;
70        }).catch((err) => {
71            console.log("navigator.MediaDevices.getUerMedia error: ", err.message, err.name);
72        });
73
74        //loop drawing
75        var vdoLive = document.getElementById('canvasVideoLive');
76        var ctxVdoLive = vdoLive.getContext('2d');
77        var multiScreens = document.getElementById('canvasMultiScreens');
78        var ctxMultiScreen = multiScreens.getContext('2d');
79
```
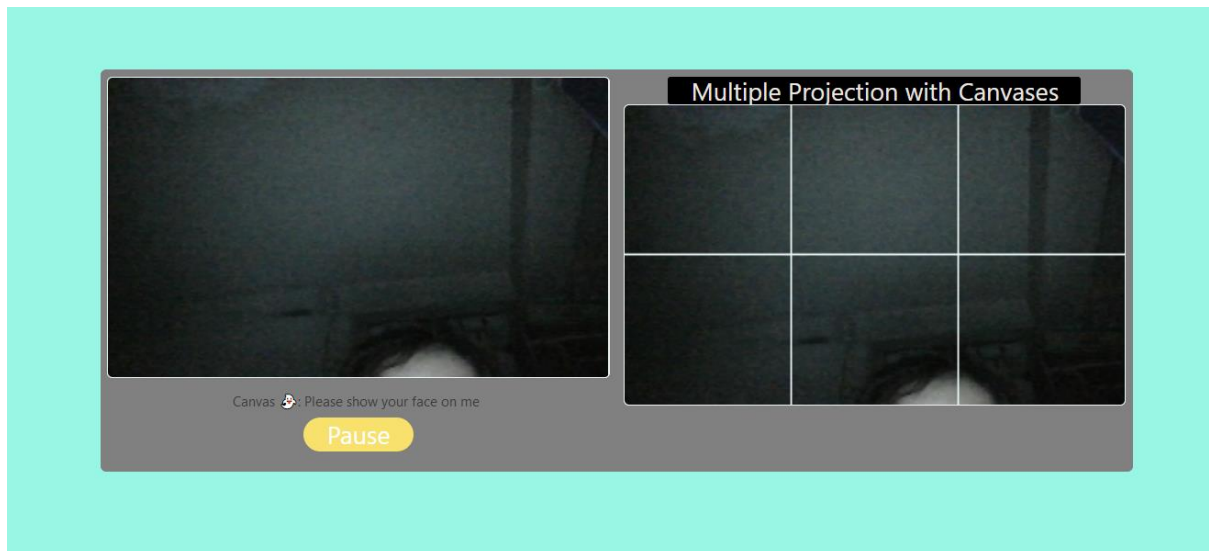
```
79
80        function displayVideo() {
81            if (isPlaying) {
82                ctxVdoLive.drawImage(video, 0, 0, vdoLive.width, vdoLive.height);
83                ctxMultiScreen.drawImage(video, 0, 0, 213, 240, 0, 0, 99, 74);
84                ctxMultiScreen.drawImage(video, 213, 0, 213, 240, 100, 0, 99, 74);
85                ctxMultiScreen.drawImage(video, 426, 0, 213, 240, 200, 0, 100, 74);
86                ctxMultiScreen.drawImage(video, 0, 240, 213, 240, 0, 75, 99, 75);
87                ctxMultiScreen.drawImage(video, 213, 240, 213, 240, 100, 75, 99, 75);
88                ctxMultiScreen.drawImage(video, 426, 240, 213, 240, 200, 75, 100, 75);
89                setTimeout(displayVideo, 1000 / 30); //video 30fps
90            }
91        }
92        function pauseVideo() {
93            if (!isPlaying) {
94                ctxVdoLive.clearRect(0, 0, vdoLive.width, canvas.height);
95                ctxMultiScreen.clearRect(video, 0, 0, 213, 240, 0, 0, 99, 74);
96                ctxMultiScreen.clearRect(video, 213, 0, 213, 240, 100, 0, 99, 74);
97                ctxMultiScreen.clearRect(video, 426, 0, 213, 240, 200, 0, 100, 74);
98                ctxMultiScreen.clearRect(video, 0, 240, 213, 240, 0, 75, 99, 75);
99                ctxMultiScreen.clearRect(video, 213, 240, 213, 240, 100, 75, 99, 75);
100               ctxMultiScreen.clearRect(video, 426, 240, 213, 240, 200, 75, 100, 75);
101           }
102       }
103   </script>
104   </body>
105   </html>
```

Output:

Multiple Projection with Canvases

Canvas 👻. Please show your face on me

Pause

Ex6: Source Code:


```
src  >  Ex6.html  >  html  >  body  >  div.flex.absolute.top-[50%].left-[50%].translate-y-[-50%].translate-x-[-50%].w-[1030px].justify-between.h-[850px]
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>Book Shop</title>
8        <script src="./tailwindcss.js"></script>
9    </head>
10   <body>
11       <div class="flex absolute top-[50%] left-[50%] translate-y-[-50%]
12       translate-x-[-50%] w-[1030px] justify-between h-[850px]">
13           <div class="w-[20%] rounded-lg bg-[#637ae0] text-[#292D3E] drop-shadow">
14               <div class="w-[80%] mx-auto text-[1.05rem] py-[10%]">
15                   <form action="" autocomplete="off" onsubmit="getBookFromForm()">
16                       <div>
17                           <h1 class="text-[1.5rem] mb-[10%] text-white text-2xl" id="pano">Add new Book</h1>
18                       </div>
19
20                       <div class="mb-[5%]">
21                           <label for="bookTitle" class="text-white text-2xl">Book Title</label> <br>
22                           <input class="bg-white w-[100%] rounded-md text-2xl" type="text" name="bookTitle" id="bookTitleInput" placeholder="  c programming"
23                           onclick="if(this.placeholder == 'c programming') {this.placeholder = ''}"
24                           onBlur="if(this.placeholder == '') {this.placeholder = 'c programming'}" />
25                       </div>
26                       <div class="mb-[5%]">
27                           <label for="bookCategory" class="text-white text-2xl">Category</label> <br>
28                           <input class=" bg-white w-[100%] rounded-md text-2xl" type="text" name="bookCategory" id="bookCategoryInput" placeholder="  Coding"
29                           onclick="if(this.placeholder == 'coding') {this.placeholder = ''}"
30                           onBlur="if(this.placeholder == '') {this.placeholder = 'coding'}" />
31                       </div>
32                       <div class="mb-[25%]">
33                           <label for="bookPrice" class="text-white text-2xl">Price</label> <br>
34                           <input class="bg-white w-[100%] rounded-md text-2xl" type="text" name="bookPrice" id="bookPriceInput" placeholder=" $"
35                           onclick="if(this.placeholder == '1,000 riels') {this.placeholder = ''}"
36                           onBlur="if(this.placeholder == '') {this.placeholder = '1,000 riels'}"  />
37                       </div>
38                       <div class="mb-[5%]">
39                           <button type="submit" class=" rounded-md w-[100px] drop-shadow bg-[#0077b6] text-2xl" id="switchBtn">Add</button>
40                       </div>
```

```html
                    </form>
                </div>
            </div>
                <!-- storing book -->
                <div class="w-[78%] rounded-lg bg-[#96ACCD] drop-shadow">
                    <div class="w-[98%] mx-auto h-[98%] my-[1%] overflow-y-scroll">
                        <div class="w-[99%] h-full">
                            <div class="w-full rounded-lg gap-[1%] h-full
                            flex flex-wrap content-start " id="bookStore">
                        </div>
                    </div>
                </div>
            </div>
        </div>

    <script>
        let x = -1;
        var books = [];
        var idForUpdate = null;
        var indexForUpdate = null;
        var isUpdate = false;
        var header = document.getElementById("pano");
        var switchBtn = document.getElementById("switchBtn");

        function getBookFromForm() {
            event.preventDefault();
            var book = {};
            book["title"] = document.getElementById("bookTitleInput").value;
            book["category"] = document.getElementById("bookCategoryInput").value;
            book["price"] = document.getElementById("bookPriceInput").value;
            book["id"] = null;
            console.log(switchBtn);
            if (!isUpdate) {
                insertNewRecord(book);
            } else {
                book.id = idForUpdate;
                updateBook(book, idForUpdate);
                switchBtn.innerHTML = "Add";
                header.innerHTML = "Add New Book";
                isUpdate = false;
```

```html
            }
            resetForm();
        }


        function insertNewRecord(book) {
            x += 1;
            book.id = x;
            books.push(book);

            document.getElementById("bookStore").innerHTML += `<div class="rounded-sm drop-shadow font-medium w-[15rem] h-fit bg-amber-100" id="book${book.id}">
                <div class="w-[90%] mx-auto my-[5%] justify-between">
                    <div class="flex gap-[10px]">
                        <button class="rounded w-[70px] bg-red-500" id="delete${book.id}" onclick="deleteBook(this.id)">Delete</button>
                        <button class="rounded w-[120px] bg-red-200" id="update${book.id}" onclick="editBook(this.id)">Change name</button>
                    </div>
                    <div>
                        <center>
                            <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="currentColor"
                            class="w-[50%] aspect-[3/5]">
                            <path
                            d="M11.25 4.533A9.707 9.707 0 006 3a9.735 9.735 0 00-3.25.555.75.75 0 00-.5.707v14.25a.75.75 0 001 .707A8.237 8.237 0 016 18.75c1.995 0 3.823.707 5.25 1.886
                        </svg>
                    </center>
                    <p id="title${book.id}">Title : ${book.title}</p>
                    <p id="category${book.id}">Category : ${book.category}</p>
                    <p id="price${book.id}">Price : $${book.price}</p>
                </div>
            </div>
        </div>`;
        }

        function editBook(id) {
            isUpdate = true;
            event.preventDefault();
            header.innerHTML = "Update information book!";
            console.log(switchBtn);
            switchBtn.innerHTML = "Update";
            idForUpdate = id;
```

```
122                    for (let i = 0; i < books.length; i++) {
123                        var tmpBook = books[i];
124                        if (`update${tmpBook.id}` == id) {
125                            document.getElementById('bookTitleInput').value = `${tmpBook.title}`;
126                            document.getElementById('bookCategoryInput').value = `${tmpBook.category}`;
127                            document.getElementById('bookPriceInput').value = `${tmpBook.price}`;
128                            break;
129                        }
130                    }
131                }
132
133                function updateBook(book, id) {
134                    for (let i = 0; i < books.length; i++) {
135                        var tmpBook = books[i];
136                        if (`update${tmpBook.id}` == id) {
137                            books[i].title = book.title;
138                            document.getElementById(`title${tmpBook.id}`).innerHTML = "Title : " + `${book.title}`;
139                            books[i].category = book.category;
140                            document.getElementById(`price${tmpBook.id}`).innerHTML = "Price : $" + `${book.price}`;
141                            books[i].price = book.price;
142                            document.getElementById(`category${tmpBook.id}`).innerHTML = "Category : " + `${book.category}`;
143                            idForUpdate = null;
144                            break;
145                        }
146                    }
147                }
148
149
150                function deleteBook(id) {
151                    for (let i = 0; i < books.length; i++) {
152                        var book = books[i];
153                        if (`delete${book.id}` == id) {
154                            if (confirm('Are you sure you want to delete this book?')) {
155                                books.splice(i, 1);
156                                document.getElementById(`book${book.id}`).remove();
157                            }
158                            break;
159                        }
160                    }
```

```
160                    }
161                    resetForm();
162                }
163
164                function resetForm() {
165                    document.getElementById('bookTitleInput').value = '';
166                    document.getElementById('bookCategoryInput').value = '';
167                    document.getElementById('bookPriceInput').value = '';
168                }
169        </script>
170    </body>
171 </html>
```

Output:

Add new Book

Book Title

c programmin

Category

Coding

Price

$

[Add]

[Delete] [Change name]

Title :
Category :
Price : $

[Delete] [Change name]

Title :
Category :
Price : $

[Delete] [Change name]

Title :
Category :
Price : $

[Delete] [Change name]

Title : Natural Body
Category : Health
Price : $25

[Delete] [Change name]

Title : Water
Category : Health
Price : $12

[Delete] [Change name]

Title :
Category :
Price : $

[Delete] [Change name]