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TP5 Assignment

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

Ex1: Activity Suggestion

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>Ex1</title>
8      <link rel="preconnect" href="https://fonts.googleapis.com">
9      <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
10     <link href="https://fonts.googleapis.com/css2?family=Irish+Grover&display=swap" rel="stylesheet">
11     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.3.0/css/all.min.css"/>
12
13     <style>
14         body{
15             display: flex;
16             height: 700px;
17             justify-content: center;
18             align-items: center;
19         }
20         .box{
21             border: 5px solid black;
22             width: 600px;
23             height: 500px;
24             text-align: center;
25             display: flex;
26             flex-direction: column;
27             align-items: center;
28         }
29         .box img{
30             width: 150px;
```

```
31     }
32     .box h3{
33         font-family: 'Irish Grover', cursive;
34     }
35     #btn{
36         background-color: #469999;
37         width: 150px;
38         padding: 10px;
39         border: none;
40         border-radius: 10px;
41         font-family: 'Irish Grover', cursive;
42     }
43     .inLoad{
44         padding-top: 100px;
45     }
46     .activity{
47         margin: 20px 0px;
48         width: 400px;
49         height: 300px;
50         overflow-x: auto;
51         border: 2px solid #c6c6c6;
52         border-radius: 7px;
53         background-color: #d9d9d9;
54     }
55     .load .para .edit i {
56         width: 20px;
57         height: 20px;
58         color: #469999;
59         margin-top: 5px;
60         margin-right: 10px;
```

```

61     }
62     .para{
63         padding-left: 30px;
64         text-align: left;
65     }
66     .edit{
67         display: flex;
68         align-items: center;
69         height: 20px;
70         padding: 5px;
71     }
72     </style>
73 </head>
74 <body>
75     <div class="box">
76         
77         <h3>Are you boring?</h3>
78         <button id="btn" onclick="loadActivity()">Tell me what to do</button>
79         <div id="loading" class="activity">
80             <div id="toLoad" class="inLoad">Loading...</div>
81             <div id="load" class="load">
82
83             </div>
84         </div>
85     </div>
86
87     <script>
88         let loading = document.getElementById('loading');
89
89         loading.hidden = true;
90

```

```

91     function loadActivity(){
92         loading.hidden = false;
93         let toLoad = document.getElementById('toLoad');
94         let load = document.getElementById('load');
95         toLoad.hidden = false;
96         load.hidden = true;
97         fetch('https://www.boredapi.com/api/activity')
98             .then(async (response) =>{
99             toLoad.hidden = true;
100             load.hidden = false;
101             let data = await response.json();
102             load.innerHTML = `
103                 <h5>${data["activity"]}</h5>
104                 <div class="para">
105                     <div class="edit">
106                         <i class="fa-solid fa-tag"></i>
107                         <p>Type: ${data["type"]}</p>
108                     </div>
109                     <div class="edit">
110                         <i class="fa-solid fa-users"></i>
111                         <p>Participants: ${data["participants"]}</p>
112                     </div>
113                     <div class="edit">
114                         <i class="fa-solid fa-dollar-sign"></i>
115                         <p>Price: ${data["price"]} $</p>
116                     </div>
117                     <div class="edit">
118                         <i class="fa-solid fa-link"></i>
119                         <p>Link: <a href="${data["link"]}">${data["link"]}</a></p>
120                     </div>

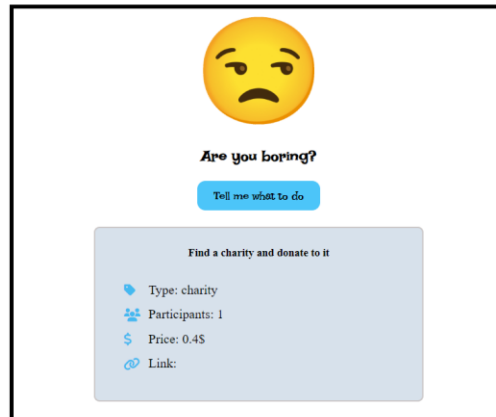
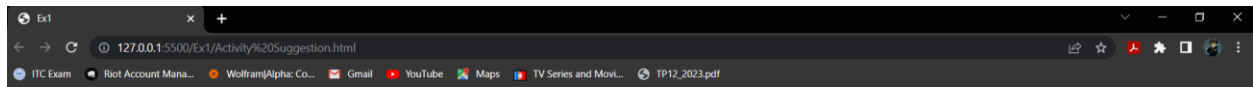
```

```

121                 </div>
122             `
123             })
124         }
125     </script>
126 </body>
127 </html>

```

Output:



Ex2: Gender Guessing

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>Ex2</title>
8    <link rel="preconnect" href="https://fonts.googleapis.com">
9    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
10   <link href="https://fonts.googleapis.com/css2?family=Irish+Grover&display=swap" rel="stylesheet">
11
12   <style>
13     body{
14       display: flex;
15       height: 550px;
16       justify-content: center;
17       align-items: center;
18     }
19     .box{
20       display: flex;
21       flex-direction: column;
22       border: 4px solid black;
23       align-items: center;
24       width: 450px;
25       height: 300px;
26       text-align: center;
27     }
28     .box img{
29       margin-top: 20px;
30       margin-bottom: -10px;
```

```
31     }
32     .box h3{
33         font-family: 'Irish Grover', cursive;
34     }
35     .box span{
36         color: rgb(20, 49, 194);
37     }
38     .inputSession{
39         display: flex;
40         justify-content: center;
41     }
42     .inputSession input{
43         margin-right: 10px;
44         padding: 7px;
45         border: 1px solid black;
46         border-radius: 5px;
47     }
48     .inputSession input::placeholder{
49         font-size: 10px;
50     }
51     .inputSession button{
52         font-size: 15px;
53         border-radius: 5px;
54         color: white;
55         background-color: blue;
56         border: none;
57     }
58     #display{
59         border: 1px solid black;
60         width: 200px;
```

```

61     height: 120px;
62     margin-top: 10px;
63     border-radius: 5px;
64     background-color: #1a1a1a;
65   }
66   #display #loading{
67     padding-top: 50px;
68     font-size: 12px;
69   }
70   #display #show h5{
71     margin-top: 8px;
72   }
73   #display #show span{
74     color: #f0f0f0;
75     text-transform: capitalize;
76   }
77   #display #show p{
78     color: #00b0f0;
79     font-family: 'Irish Grover', cursive;
80   }
81 </style>
82 </head>
83 <body>
84   <div class="box">
85     
86     <h3>I Know you <span>Gender</span></h3>
87     <div class="inputSession">
88       <input id="name" type="text" placeholder="Tell me your name">
89       <button onclick="guessing()" >Guess</button>
90     </div>

```

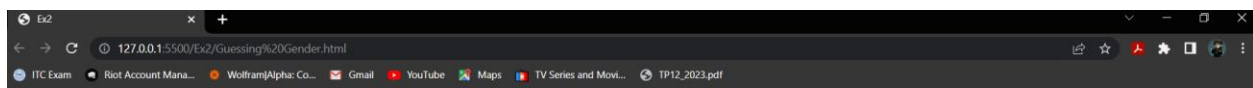
```

91   <div id="display">
92     <div id="loading">Loading...</div>
93     <div id="show">
94     </div>
95   </div>
96 </div>
97
98 <script>
99   let display = document.getElementById('display');
100   display.hidden = true;
101   function guessing(){
102     let loading = document.getElementById('loading');
103     let show = document.getElementById('show');
104     let name = document.getElementById('name');
105     display.hidden = false;
106     show.hidden = true;
107
108     fetch(`https://api.genderize.io/?name=${name.value}`)
109     .then( async(response)=>{
110       loading.hidden = true;
111       show.hidden = false;
112       let data = await response.json();
113       show.innerHTML = `
114         <h5>${data["name"]}</h5>
115         <h2><span>${data["gender"]}</span></h2>
116         <p>${data["probability"]*100}%</p>
117       `
118     })
119
120   }

```

```
120     }
121
122     </script>
123 </body>
124 </html>
```

Output:



Ex3: Nationality Guessing

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>Ex3</title>
8
9      <!-- font Irish Grover, cursive -->
10     <link rel="preconnect" href="https://fonts.googleapis.com">
11     <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
12     <link href="https://fonts.googleapis.com/css2?family=Irish+Grover&display=swap" rel="stylesheet">
13
14     <style>
15         body{
16             display: flex;
17             height: 550px;
18             justify-content: center;
19             align-items: center;
20         }
21         .box{
22             display: flex;
23             flex-direction: column;
24             align-items: center;
25             border: 5px solid black;
26             width: 350px;
27             height: 400px;
28             text-align: center;
29         }
30         .box img{
```

```
31     width: 100px;
32     margin-bottom: -30px;
33 }
34 .box h2{
35     font-family: 'Irish Grover', cursive;
36 }
37 .box span{
38     color: blue;
39 }
40 .inputSession input {
41     padding: 7px;
42     border: 1px solid black;
43     border-radius: 7px;
44 }
45 .inputSession button{
46     padding: 7px;
47     border: 1px solid black;
48     border-radius: 7px;
49     background-color: rgb(0, 166, 255);
50 }
51 #display{
52     width: 200px;
53     height: 200px;
54     border: 1px solid black;
55     margin-top: 10px;
56     border-radius: 7px;
57     background-color: aliceblue;
58 }
59 #display #loading{
60     padding-top: 90px;
```

```

61     }
62     .row{
63         background-color: ■ rgb(223, 214, 214);
64         padding: 7px 0px;
65         margin-bottom: 10px;
66         border-radius: 7px;
67     }
68     .row .left{
69         color: □ black;
70         margin-right: 120px;
71     }
72     .row .right{
73         color: ■ rgb(228, 155, 21);
74     }
75 </style>
76 </head>
77 <body>
78     <div class="box">
79         
80         <h2>I Know you <span>Home</span></h2>
81         <div class="inputSession">
82             <input id="name" type="text" placeholder="Tell me your first name">
83             <button onclick="guessing()" >Guess</button>
84         </div>
85         <div id="display">
86             <div id="loading">
87                 Loading...
88             </div>
89             <div id="show" class="show"></div>
90         </div>

```

```

91     </div>
92
93     <script>
94         let display = document.getElementById('display');
95         display.hidden = true;
96
97         function guessing(){
98             let name = document.getElementById('name');
99             let loading = document.getElementById('loading');
100             let show = document.getElementById('show');
101             display.hidden = false;
102             loading.hidden = false;
103             show.hidden = true;
104             display.style.background = "aliceblue";
105             display.style.border = "1px solid black";
106
107             fetch(`https://api.nationalize.io/?name=${name.value}`)
108                 .then(async(response) => {
109                     display.style.background = "white";
110                     display.style.border = "none";
111                     loading.hidden = true;
112                     show.hidden = false;
113                     let data = await response.json();
114                     let content = '';
115                     // console.log(data["country"][0]["country_id"]);
116
117                     for(let x of data.country) {
118                         // console.log(x.country_id);
119                         content += `
120                             <div class="row">

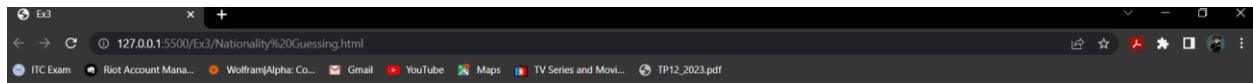
```


```

121                                 <span class="left">${x.country_id}</span>
122                                 <span class="right">${(x.probability*100).toFixed(1)}%</span>
123                             </div>
124                         `;
125                     }
126                     show.innerHTML = content;
127                 })
128                 .catch((error)=>{
129                     display.hidden = true;
130                     loading.hidden = true;
131                     show.hidden = true;
132                     console.log("Error is: "+error);
133                 })
134             }
135     </script>
136 </body>
137 </html>

```

Output:





I Know you Home

KH	79.6%
VN	10.9%
NZ	5.2%
MY	1.9%
AU	1.8%

Ex4: University List

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>Ex4</title>
8
9   <link rel="preconnect" href="https://fonts.googleapis.com">
10  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
11  <link href="https://fonts.googleapis.com/css2?family=Irish+Grover&display=swap" rel="stylesheet">
12
13
14  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.3.0/css/all.min.css"/>
15
16  <style>
17    body{
18      display: flex;
19      height: 700px;
20      justify-content: center;
21      align-items: center;
22    }
23    .box{
24      flex-direction: column;
25      width: 750px;
26      height: 410px;
27      overflow-x: auto;
28      border: 5px solid black;
29      text-align: center;
30    }
```

```
31 .box img{
32     margin-top: 15px;
33     width: 100px;
34 }
35 .box h3{
36     font-size: 23px;
37     font-family: 'Irish Grover', cursive;
38 }
39 .box select{
40     padding: 0px 10px;
41     width: 200px;
42     height: 40px;
43     border-radius: 5px;
44 }
45 #display{
46     width: 625px;
47     height: 160px;
48     margin: 10px auto;
49     border: 1px solid black;
50     border-radius: 10px;
51     background-color: aliceblue;
52 }
53 #loading{
54     padding-top: 65px;
55     font-size: 30px;
56 }
57 #show{
58     display: flex;
59     flex-wrap: wrap;
60 }
```

```
61     .university{
62         margin-top: 5px;
63         margin-left: 5px;
64         width: 200px;
65         padding: 5px 0px;
66         font-size: 12px;
67         border: 1px solid black;
68         border-radius: 5px;
69         background-color: rgba(173, 186, 197, 0.607);
70     }
71     .link{
72         display: flex;
73         justify-content: center;
74         align-items: center;
75     }
76     .link i{
77         margin: 10px 2px;
78         margin-right: 5px;
79         color: blue;
80     }
81     .link a{
82         color: blue;
83     }
84 </style>
85 </head>
86 <body>
87     <div class="box">
88         
```

```
91 <h3>Which Univ. do you want to study?</h3>
92
93 <select name="country" id="country" onchange="change()">
94   <option selected disabled>Choose a country</option>
95   <option value="Argentina">Argentina</option>
96   <option value="Bangladesh">Bangladesh</option>
97   <option value="Brazil">Brazil</option>
98   <option value="Cambodia">Cambodia</option>
99   <option value="Canada">Canada</option>
100  <option value="Colombia">Colombia</option>
101  <option value="Czech Republic">Czech Republic</option>
102  <option value="China">China</option>
103  <option value="Denmark">Denmark</option>
104  <option value="Egypt">Egypt</option>
105  <option value="Ethiopia">Ethiopia</option>
106  <option value="Finland">Finland</option>
107  <option value="Franch">Franch</option>
108  <option value="Germany">Germany</option>
109  <option value="Hungary">Hungary</option>
110  <option value="India">India</option>
111  <option value="Indonesia">Indonesia</option>
112  <option value="Ireland">Ireland</option>
113  <option value="Japan">Japan</option>
114  <option value="Malaysia">Malaysia</option>
115  <option value="Mexico">Mexico</option>
116  <option value="Mongolia">Mongolia</option>
117  <option value="Myanmar">Myanmar</option>
118  <option value="Nigeria">Nigeria</option>
119  <option value="Pakistan">Pakistan</option>
120  <option value="Philippines">Philippines</option>
```



```
121         <option value="Singapore">Singapore</option>
122         <option value="Spain">Spain</option>
123         <option value="Thailand">Thailand</option>
124         <option value="Turkey">Turkey</option>
125         <option value="United Kingdom">United Kingdom</option>
126         <option value="United States">United States</option>
127     </select>
128
129
130     <div id="display">
131         <div id="loading">
132             Loading...
133         </div>
134
135         <div id="listing">
136             <div id="show"></div>
137         </div>
138     </div>
139 </div>
140
141
142 <script>
143     let display = document.getElementById('display');
144
145     display.hidden = true;
146
147     function change() {
148
149         display.hidden = false;
150         display.style.background = "aliceblue";
```

```

151     display.style.border = "1px solid black";
152     let loading = document.getElementById('loading');
153     let listing = document.getElementById('listing');
154
155     loading.hidden = false;
156     listing.hidden = true;
157     let countrySelect = document.getElementById('country');
158     console.log(countrySelect.value);
159
160     fetch(`http://universities.hipolabs.com/search?country=${countrySelect.value}`)
161     .then(async(result) => {
162         let show = document.getElementById('show');
163         loading.hidden = true;
164         listing.hidden = false;
165         display.style.background = "white";
166         display.style.border = "none";
167
168         let data = await result.json();
169
170         let content = '';
171         // display each data by its index
172         for(let x of data) {
173             // console.log(x.domains);
174             content += `
175                 <div class="university">
176                     <span>${x.name}</span>
177                     <br>
178                     <span>${x.country} - ${x.alpha_two_code}</span>
179                     <br>
180                     <div class="link">

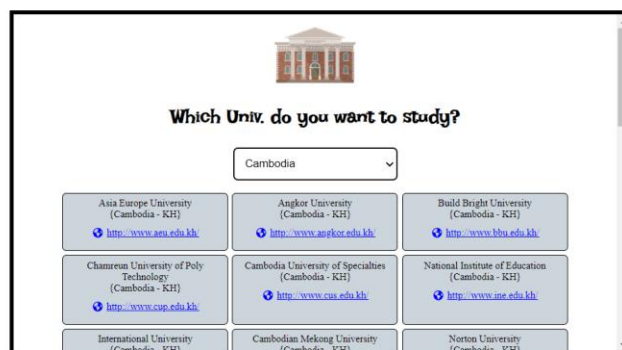
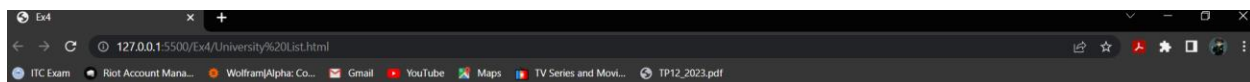
```

```

181         <i class="fa-solid fa-earth-america"></i>
182         <a href="{x.web_pages[0]}">
183             {x.web_pages[0]}
184         </a>
185     </div>
186 </div>
187 ;
188 }
189 show.innerHTML = content;
190 // console.log(data[0].domains);
191 })
192 .catch((error) => {
193
194     loading.hidden = true;
195     listing.hidden = true;
196
197     console.log("Error: "+error);
198 })
199 }
200
201 </script>
202 </body>
203 </html>

```

Output:



Ex5: Book Store

Source code: First Page

```
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>Ex5</title>
8      <style>
9
10         body{
11             display: flex;
12             height: fit-content;
13         }
14         .left{
15             background-color: #aliceblue;
16             display: flex;
17             justify-content: center;
18             width: 200px;
19             height: 100%;
20         }
21         .addSession{
22             margin: 10px 0px;
23         }
24         .inp{
25             margin-bottom: 15px;
26         }
27         #right{
28             margin-left: 5px;
29             background-color: #aliceblue;
30             width: 1030px;
```

```
31         height:max-content;
32     }
33     .book{
34         width: 200px;
35         height: 330px;
36         background-color: white;
37         padding-top: 25px;
38         margin-left: 5px;
39         margin-top: 5px;
40     }
41     #bookInfo{
42         display: flex;
43         flex-wrap: wrap;
44     }
45 </style>
46 </head>
47 <body>
48     <div class="left">
49         <div class="addSession">
50             <div class="inp">
51                 <label for="text">Name:</label><br>
52                 <input type="text" name="" id="" placeholder="c programming">
53             </div>
54             <div class="inp">
55                 <label for="text">Category:</label><br>
56                 <input type="text" name="" id="" placeholder="coding">
57             </div>
58             <div class="inp">
59                 <label for="text">Price</label><br>
60                 <input type="text" name="" id="" placeholder="1,000 riels">
```

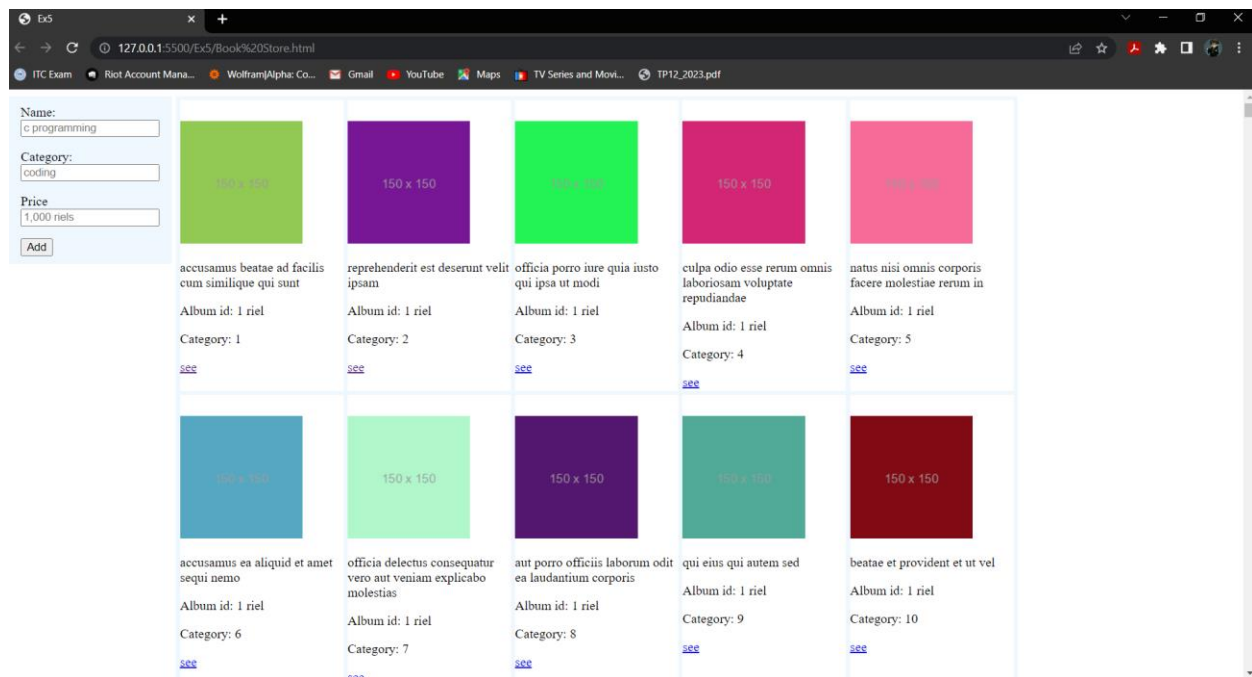
```
61         </div>
62         <div class="addBtn">
63             <button>Add</button>
64         </div>
65     </div>
66 </div>
67 <div id="right">
68     <div id="loading">Loading...</div>
69     <div id="show">
70         <div id="bookInfo"></div>
71     </div>
72 </div>
73
74 <script>
75
76     let rightSide = document.getElementById('right');
77     let loading = document.getElementById('loading');
78     let show = document.getElementById('show');
79
80     rightSide.hidden = false;
81     rightSide.style.background = "white"
82     loading.hidden = false;
83     show.hidden = true;
84
85     fetch('https://jsonplaceholder.typicode.com/photos')
86
87     .then(async(result) => {
88         loading.hidden = true;
89         rightSide.style.background = "aliceblue";
90         show.hidden = false;
```

```

91     let book = document.getElementById('bookInfo');
92     let data = await result.json();
93
94     console.log(data);
95     let content = '';
96     for(let x of data){
97         content += `
98         <div class="book">
99             
100             <p>${x.title}</p>
101             <p>Album id: ${x.albumId} riel</p>
102             <p>Category: ${x.id}</p>
103             <a href="/BookDetail.html?bookId=${x.id}">see</a>
104         </div>
105         `;
106     }
107     book.innerHTML = content;
108 })
109 </script>
110 </body>
111 </html>

```

Output: First page



Source code: Second Page

```
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 Detail</title>
8      <style>
9          body{
10              display: flex;
11              flex-direction: column;
12              height: 700px;
13              align-items: center;
14              font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
15          }
16          .description{
17              width: 100%;
18              height: 200px;
19              background-color: #292929;
20          }
21          .thumbnail{
22              width: 100%;
23              height: 500px;
24          }
25          .center{
26              width: 70%;
27              display: flex;
28              flex-direction: column;
29              align-items: center;
30              text-align: center;
```



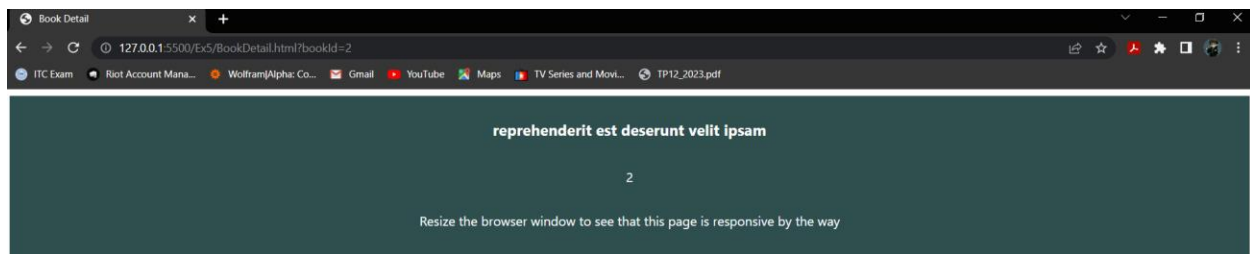
```
31         color: white;
32         margin: 10px auto;
33     }
34     .resize{
35         display: flex;
36         flex-direction: column;
37         width: 70%;
38         justify-content: center;
39         align-items: center;
40         text-align: center;
41         margin: 0px auto;
42         font-size: 20px;
43         font-weight: bold;
44     }
45
46     </style>
47 </head>
48 <body>
49
50     <div class="description">
51         <div id="firstRow" class="center"></div>
52     </div>
53     <div class="thumbnail">
54         <div id="secondRow" class="resize"></div>
55     </div>
56
57     <script>
58         // get book id value from the first html page
59         const urlParams = new URLSearchParams(window.location.search);
60         const bookId = urlParams.get('bookId');
```

```

61
62 let firstRow = document.getElementById('firstRow');
63 let secondRow = document.getElementById('secondRow');
64
65 fetch(`https://jsonplaceholder.typicode.com/photos/${bookId}`)
66   .then(async(result)=>{
67
68     let data = await result.json();
69
70     let firstContent = `
71       <h3>${data.title}</h3>
72       <p>${data.id}</p>
73       <p>Resize the browser window to see that this page is responsive by the way</p>
74     `;
75
76     let secondContent = `
77       <p>${data.id}</p>
78       
79     `;
80
81     firstRow.innerHTML = firstContent;
82     secondRow.innerHTML = secondContent;
83
84   })
85 </script>
86 </body>
87 </html>

```

Output: Second page



2

