



Institute of Technology of Cambodia
Departments of Information and Communication
Engineering



TP-05: JavaScript (Promis, Fatch)

TP: Internet Programming

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TP05.1: Activity Suggestion

HTML:

```

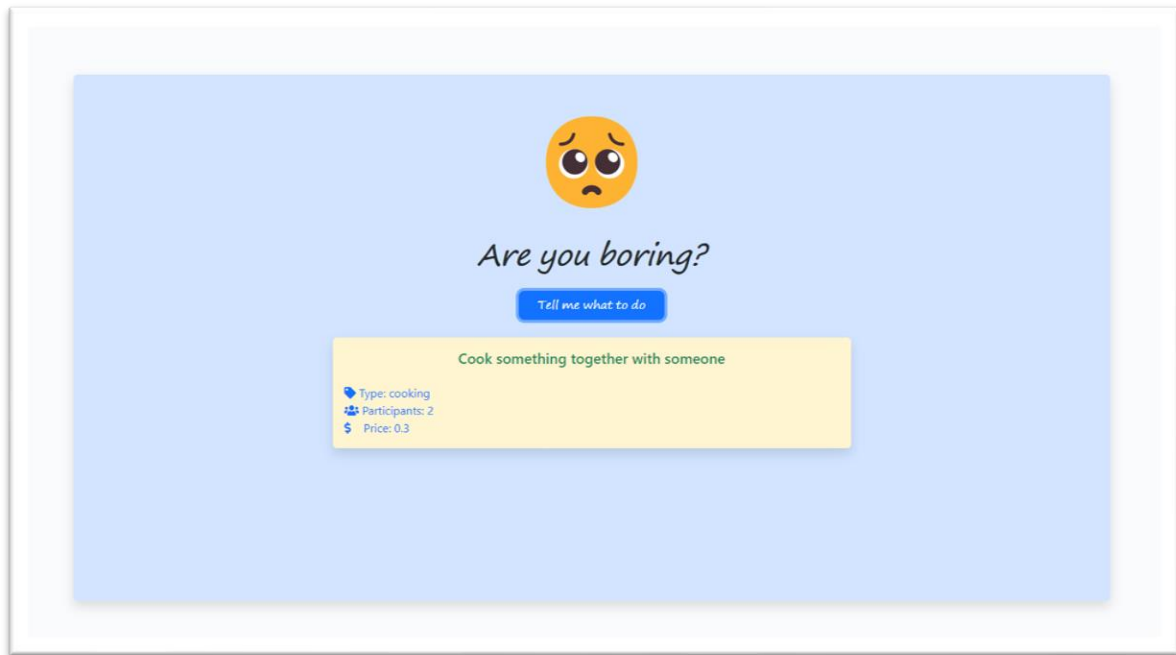
1 <html lang="en">
2 <head>
3   <meta charset="UTF-8">
4   <meta http-equiv="X-UA-Compatible" content="IE=edge">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet"
7     integrity="sha384-GhltI81R8bDzL1603oVMWsktQ0p6b7Iin1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">
8   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
9     integrity="sha384-w76AqPfkMBOx30jS1Sge6pr3x5MlQ1ZAGC+nuzB+EYdgrZgiwxhTBTkF7CXvlt" crossorigin="anonymous"></script>
10   <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
11     integrity="sha384-lZN37f5QVhGisS14W3ExZMwxyBE1SJSesQp9S+oqdi2jhcu+AS6Ebc1f3J" crossorigin="anonymous">
12 </head>
13 <body>
14   <div class="container-fluid bg-light vh-100 d-flex justify-content-center align-items-center">
15     <div class="w-75 h-75 shadow bg-primary-subtle rounded-2">
16       <p class="text-center mt-3" style="font-size:8rem ;">🙄</p>
17       <h1 class="text-center mb-4" style="font-family:AKbalthom KhmerHand ;">Are you boring?</h1>
18       <div class="d-flex justify-content-center">
19         <button onclick="getAnActivity()" class="btn btn-outline-primary rounded-3 border-2 px-4 " style="font-family:Khmer CN
20           Poipet ;">Tell me what to do</button>
21       </div>
22     <div class="container shadow p-3 mt-4 w-50 mb-5 bg-warning-subtle rounded">
23       <div id="active-name" class="text-center mb-4 h5 text-success">Active name</div>
24       <div id="loadingText" class="text-center">Loading...</div>
25       <div id="type" class="text-primary">Type</div>
26       <div id="participants" class="text-primary">Participants</div>
27       <div id="price" class="text-primary">Price</div>
28       <div id="link" class="text-primary">Link</div>
29     </div>
30   </div>
31 </body>

```

JS:

[illegible]

Result:



TP05.2: Gender Guessing

HTML:

```

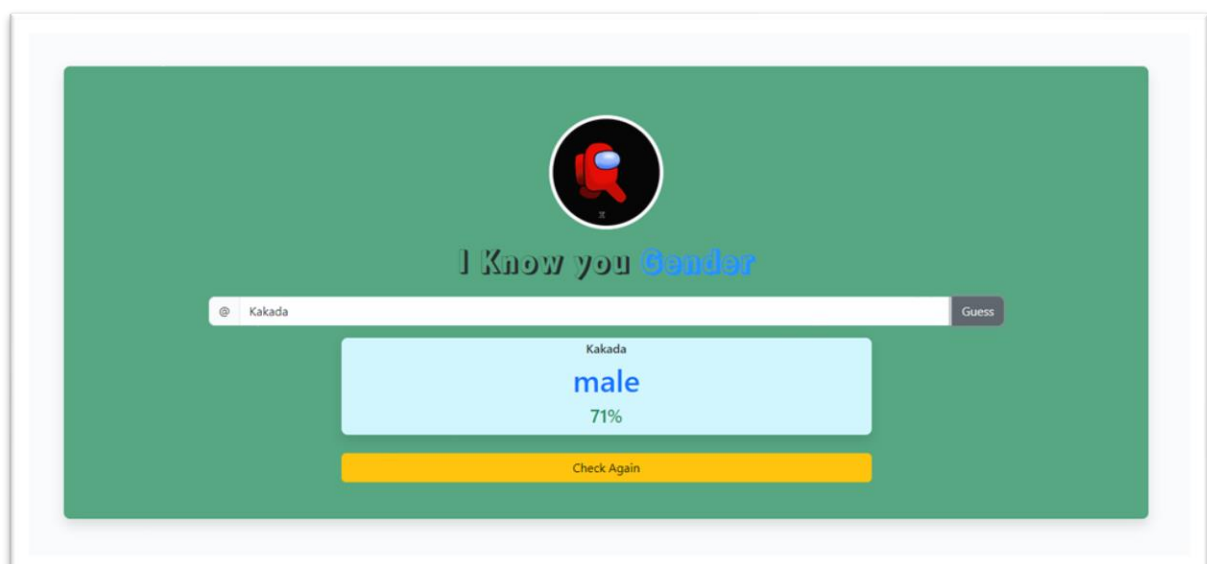
1  <html lang="en">
2  <head>
3    <meta charset="UTF-8">
4    <meta http-equiv="X-UA-Compatible" content="IE=edge">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet"
7    integrity="sha384-GlhtQT8iRABdZ11603oVMWsktQ0p6b7In1Z13/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">
8    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
9    integrity="sha384-w76AqPfdKMBDXo30jS1Sgez6pr3x5M1Q1ZAGC+nuZB+EYdgRZgiwXhTBTkF7CXvN" crossorigin="anonymous"></script>
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=Poppins&family=Rampart+One&family=Titillium+Web&display=swap" rel="stylesheet">
13   <title>Gender Guessing</title>
14 </head>
15 <body>
16   <div class="container-fluid vh-100 bg-light d-flex justify-content-center align-items-center">
17     <div class="w-75 p-3 shadow bg-success bg-opacity-75 rounded-3 pb-5">
18       <p class="text-center mt-5"></p>
19       <h1 class="text-center pb-3 text-dark" style="font-family: 'Rampart One', cursive;">I Know you <strong style="color: dodgerblue ;">Gender</strong></h1>
20       <div class="mx-auto input-group input-group-md mb-3 w-75">
21         <span class="input-group-text rounded-start-3">@</span>
22         <input id="nameInput" type="text" class="form-control" placeholder="Enter your name">
23         <button class="btn btn-secondary rounded-end-3 text-light" onclick="getGender()">Guess</button>
24       </div>
25       <div class="bg-info-subtle w-50 mx-auto shadow rounded-3 px-4 py-1">
26         <p id="loading" class="text-center pt-3">Loading...</p>
27         <p id="name" class="h6 text-center"><b></b></p>
28         <p id="gender" class="h1 text-center text-primary"></p>
29         <p id="percent" class="h4 text-center text-success"></p>
30       </div>
31       <div class="d-flex mx-auto">
32         <button class="btn btn-warning w-50 mx-auto mt-4" onclick="window.location.reload()">Check Again</button>
33       </div>
34     </div>
35   </div>

```

JS:

```
35 </body>
36
37 <script>
38   const nameInput = document.getElementById("nameInput");
39   const userName = document.getElementById("name");
40   const gender = document.getElementById("gender");
41   const percent = document.getElementById("percent");
42   const loading = document.getElementById("loading");
43
44   function getGender() {
45     const name = nameInput.value;
46     const url = `https://api.genderize.io?name=${name}`;
47     loading.hidden = false;
48     fetch(url)
49       .then(response => response.json())
50       .then(data => {
51         if (data.gender) {
52           userName.innerHTML = `${name}`;
53           gender.innerHTML = `${data.gender}`;
54           percent.innerHTML = `${(data.probability * 100)}%`;
55         }
56         else {
57           userName.innerHTML = `Could not found name ${name}`;
58         }
59       })
60       .catch(error => {
61         console.error(error);
62         userName.innerHTML = "An error occurred while fetching data";
63       })
64       .finally(()=>{
65         loading.hidden = true;
66       })
67   }
68 </script>
69 </html>
```

Result:



TP05.3: Nationality Guessing

HTML:

```

8      +E7u9nZgawXNIBKf/LAVN  crossorigin= anonymous ></script>
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=IBM+Plex+Mono:wght@600&family=Poppins&family=Rampart+One&family=Titillium+Web&display=swap" rel="stylesheet">
12
13     <style>
14         .center{
15             display: flex;
16             justify-content: center;
17             align-items: center;
18         }
19         .noData{
20             color: #dodgerblue;
21         }
22         #guessing>* {
23             padding: 0.7rem;
24             display: flex;
25             justify-content: space-between;
26         }
27     </style>
28
29     <title>Gender Guessing</title>
30 </head>
31 <body>
32     <div class="container-fluid vh-100 bg-light d-flex justify-content-center align-items-center">
33         <div class="w-75 p-3 shadow bg-info-subtle bg-opacity-75 rounded-3 pb-5">
34             <p class="text-center mt-5"></p>
35             <h1 class="text-center pb-3 text-dark" style="font-family: 'IBM Plex Mono', monospace;">I Know you <strong style="color: #453CC9;">Home</strong></h1>
36             <div class="mx-auto input-group input-group-md mb-3 w-75">
37                 <span class="input-group-text rounded-start-3"></span>
38                 <input id="name" type="text" class="form-control" placeholder="Enter your name">
39                 <button class="btn btn-secondary rounded-end-3 text-light" onclick="getAnActive()">Guess</button>
40             </div>
41
42             <div class="bg-light w-50 mx-auto shadow rounded-3 px-4 py-1">
43                 <p id="loading" class="text-center pt-3">Loading...</p>
44                 <p id="guessing" class="h3 d-flex justify-content-between flex-column text-primary text-center"></p>
45             </div>
46
47             <div class="d-flex mx-auto">
48                 <button class="btn w-25 mx-auto mt-4 shadow bg-primary-subtle" onClick="window.location.reload()">Check Again</button>
49             </div>
50         </div>
51     </div>
52 </body>

```

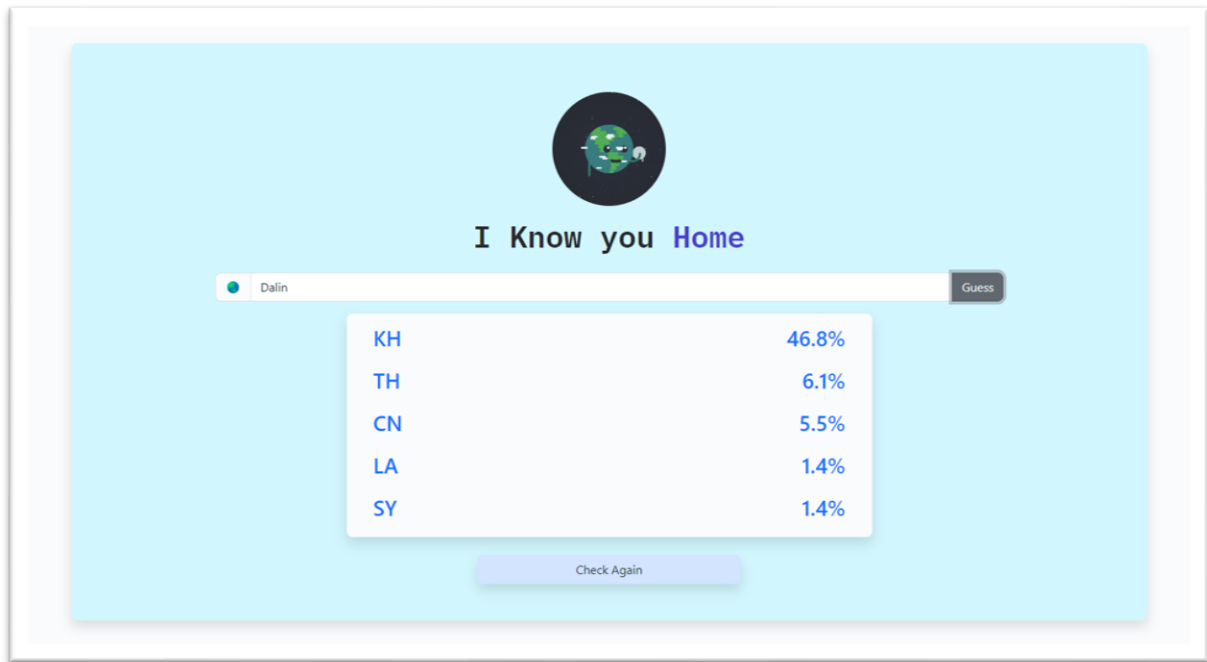
JS:

```

52 </body>
53 <script>
54   const home = document.getElementById("guessing");
55   const name = document.getElementById("name");
56   const loading=document.getElementById("loading");
57   loading.hidden = false;
58   function getAnActive() {
59     if(noData()) return;
60     home.innerHTML="";
61     loading.style.visibility="visible";
62     fetch(`https://api.nationalize.io/?name=${name.value}`)
63     .then(async (res) => {
64
65       let data = await res.json();
66       let obj=data.country;
67
68       if(nullCountry(obj)) return;
69       home.innerHTML="";
70       for(let n of obj){
71         home.innerHTML+=`<div><div>${n.country_id}</div><div>${(n.probability*100).toFixed(1)}%</div></div>`;
72       }
73     })
74     .then(()=>{
75       loading.style.visibility="hidden"
76     })
77     .catch(()=>{
78       home.innerHTML=`<div> <div class="center"> <div class="noData ">Not Found!</div> </div> </div>`;
79       loading.style.visibility="hidden";
80     })
81     .finally(()=>{
82       loading.hidden = true;
83     })
84   }
85   function noData(){
86     if(name.value==""){
87       home.innerHTML=`<div><div class="center"><div class="noData ">Not Found!</div> </div></div>`;
88       loading.hidden = true;
89       return true;
90     }
91     return false;
92   }
93   }
94   function nullCountry(obj){
95     if(obj==undefined) return false;
96     if(obj.length==0){
97       home.innerHTML=`<div> <div class="center"><div class="noData ">Not Found!</div> </div> </div>`;
98       return true;
99     }
100     return false;
101     loading.hidden = true;
102   }
103 </script>
104 </html>

```

Result:



TP05.4: University List

HTML:

```

10 <link href="https://fonts.googleapis.com/css2?family=Inter&display=swap" rel="stylesheet">
11
12 <style>
13   .university{
14     margin: 14px;
15     width: 220px;
16     padding: 10px 10px;
17     font-size: 13px;
18     border-radius: 10px;
19     box-shadow: 0px 0px 5px #gray;
20     background-color: #ffffff;
21   }
22   #show{
23     display: flex;
24     flex-wrap: wrap;
25   }
26 </style>
27 <title>University List</title>
28 </head>
29 <body>
30   <div class="container-fluid vh-100 bg-light d-flex justify-content-center align-items-center">
31     <div class="w-75 p-3 shadow bg-info-subtle bg-opacity-75 rounded-3 pb-5">
32       <p class="text-center mt-5"></p>
33       <h3 class="text-center pb-3 text-primary" style="font-family:'IBM Plex Mono', monospace;">Which Univ. Do you want to study?</h3>
34       <div class="input-group mb-3 w-50 mx-auto">
35         <label class="input-group-text" for="country">Options</label>
36       <select class="form-select" id="country" name="country" id="country" onchange="fetchData()"> ...
37     </div>
38     <div id="display" class="bg-light w-100 shadow rounded-3 px-4 py-1 h-50 overflow-auto">
39       <div class="text-center">
40         <p id="loading" class="text-center">Loading...</p>
41       </div>
42       <div id="listing" class="w-100 h-50">
43         <div id="show" class=""></div>
44       </div>
45     </div>
46     <div class="d-flex mx-auto">
47       <button class="btn w-25 mx-auto mt-4 shadow bg-primary-subtle" onClick="window.location.reload()">Check Again</button>
48     </div>
49   </div>
50 </body>

```


JS:

```

308 </body>
309 <script>
310     let display = document.getElementById('display');
311     display.hidden = true;
312
313     function fetchData() {
314         display.hidden = false;
315         display.style.background = "aliceblue";
316         display.style.border = "1px solid black";
317         let loading = document.getElementById('loading');
318         let listing = document.getElementById('listing');
319
320         loading.hidden = false;
321         listing.hidden = true;
322         let countrySelect = document.getElementById('country');
323         console.log(countrySelect.value);
324
325         fetch('http://universities.hipolabs.com/search?country=${countrySelect.value}')
326             .then(async(result) => {
327                 let show = document.getElementById('show');
328                 loading.hidden = true;
329                 listing.hidden = false;
330                 display.style.background = "white";
331                 display.style.border = "none";
332
333                 let data = await result.json();
334                 for(let x of data) {
335                     console.log(x.domains);
336                     show.innerHTML += `
337                         <div class="university"><span>${x.name}</span><br>
338                         <span>${x.country} - ${x.apha_two_code}</span><br>
339                         <div class="link">
340                             <i class="fa-solid fa-earth-america"></i>
341                             <a href="${x.web_pages[0]}"> ${x.web_pages[0]}</a></div></div>`;
342                     }
343                     console.log(data[0].domains);
344                 })
345                 .catch((error) => {
346                     loading.hidden = true;
347                     listing.hidden = true;
348                     console.log("Error: " + error);
349                 })
350             })
351     </script>
352 </html>

```

Result:

Which Univ. Do you want to study?

Options: Cambodia

Asia Europe University (Cambodia - undefined) http://www.aeu.edu.kh/	Angkor University (Cambodia - undefined) http://www.angkor.edu.kh/	Build Bright University (Cambodia - undefined) http://www.bbu.edu.kh/	Chamreun University of Poly Technology (Cambodia - undefined) http://www.cup.edu.kh/	Cambodia University of Specialties (Cambodia - undefined) http://www.cus.edu.kh/
National Institute of Education (Cambodia - undefined) http://www.ine.edu.kh/	International University (Cambodia - undefined) http://www.iu.edu.kh/	Cambodian Mekong University (Cambodia - undefined) http://www.mekong.edu.kh/	Norton University (Cambodia - undefined) http://www.norton.edu.kh/	National University of Management (Cambodia - undefined) http://www.num.edu.kh/
Pannasatra University of Cambodia (Cambodia - undefined) http://www.puc.edu.kh/	Royal University of Agriculture (Cambodia - undefined) http://www.rua.edu.kh/	Royal University of Fine Arts (Cambodia - undefined) http://www.rufa.edu.kh/	Royal University of Law and Economics (Cambodia - undefined) http://www.rule.edu.kh/	Royal University of Phnom Penh (Cambodia - undefined) http://www.rupp.edu.kh/
Svey Reong University (Cambodia - undefined) http://www.sru.edu.kh/	University of Cambodia (Cambodia - undefined) http://www.uc.edu.kh/	University of Health and Science (Cambodia - undefined) http://www.univ-sante.edu.kh/	University of Technology Phnom Penh (Cambodia - undefined) http://www.utpp.edu.kh/	Western University (Cambodia - undefined) http://www.western.edu.kh/

Check Again

TP05.5: Book Store

HTML:

```

179 <body>
180 <div class="loading">
181   <div class="loader"></div>
182 </div>
183 <div class="container">
184   <form autocomplete="off" onsubmit="onFormSubmit()">
185     <div class="add">
186       <label for="name_book">Name</label>
187       <input type="text" name="name" id="name_book" placeholder="JavaScript" onclick="if(this.placeholder == 'JavaScript')
188         {this.placeholder = ''}"
189       onBlur="if(this.placeholder == '') {this.placeholder = 'c programming'}" />
190       <label for="category_book">Category</label>
191       <input type="text" name="category" id="category_book" placeholder="Programming" onclick="if(this.placeholder ==
192         'Programming') {this.placeholder = ''}"
193       onBlur="if(this.placeholder == '') {this.placeholder = 'coding'}" />
194       <label for="price_book">Price</label>
195       <input type="text" name="price_book" id="price_book" placeholder="50000 riels" onclick="if(this.placeholder == '50000
196         riels') {this.placeholder = ''}"
197       onBlur="if(this.placeholder == '') {this.placeholder = '1000 riels'}" />
198       <button type="submit" class="add_book">Add</button>
199       <button type="submit" class="edit_book">update</button>
200     </div>
201   </form>
202   <div class="home" id="add_items"></div>

```

CSS:

```
9      <style>
10      * {
11          margin: 0px;
12          padding: 0px;
13          box-sizing: border-box;
14      }
15      .container {
16          width: 80%;
17          height: 1000px;
18          display: flex;
19          justify-content: center;
20      }
21      .add {
22          height: 100vh;
23          width: 300px;
24          background-color: #eee;
25          position: fixed;
26          padding: 15px;
27          border-radius: 10px;
28      }
29      .add input[type=text] {
30          width: 100%;
31          border: 2px solid #aaa;
32          border-radius: 4px;
33          margin: 8px 0;
34          outline: none;
35          padding: 8px;
36          box-sizing: border-box;
37          transition: .3s;
38      }
39      .add input[type=text]:focus {
40          border-color: dodgerBlue;
41          box-shadow: 0 0 8px 0 dodgerBlue;
42      }
43      .add .edit_book {
44          visibility: hidden;
45      }
46      .add_book,
47      .edit_book {
48          background-color: #aaa;
49          color: white;
50          border-style: outset;
51          border-color: #0066A2;
52          height: 25px;
53          width: 50px;
54          font: bold15px arial, sans-serif;
```

```
54     font: bold15px arial, sans-serif;
55     text-shadow: none;
56     height: 30px;
57     margin-top: 10px;
58     border-radius: 5px;
59 }
60 .edit_book {
61     background-color: #4169e1;
62 }
63 .home {
64     height: auto;
65     width: 800px;
66     top: 0px;
67     display: flex;
68     flex-wrap: wrap;
69     margin-left: 350px;
70     border-radius: 10px;
71     background-color: #ffffff;
72 }
73 .home .book-info {
74     background-color: #87ceeb;
75     text-align: center;
76     height: 35px;
77     font-size: large;
78     color: #ffffff;
79     position: sticky;
80     width: 780px;
81     margin: 10px 0 10px 10px;
82     border-radius: 5px;
83 }
84 .home .items {
85     text-align: center;
86     width: 23%;
87     margin: 1%;
88     margin-left: 1%;
89     box-shadow: #4682b4 0px 7px 29px 0px;
90     border-radius: 10px;
91 }
92 .items>img {
93     margin-top: 10px;
94     margin-bottom: 10px;
95 }
96 .items .name,
97 .price,
98 .category {
99     text-align: start;
```

```
99     text-align: start;
100     margin-left: 10px;
101     padding-top: 10px;
102 }
103 .items>button {
104     text-align: start;
105 }
106 .button {
107     margin-top: 10px;
108     margin-bottom: 5px;
109 }
110 .button .editBtn,
111 .deleteBtn {
112     border-radius: 5px;
113     background-color: #0066A2;
114     color: white;
115     border-style: outset;
116     border-color: #0066A2;
117     text-shadow: none;
118     height: 30px;
119 }
120 .deleteBtn {
121     margin-left: 4px;
122     background-color: #D9534F;
123 }
124 .edit_book {
125     margin-left: -55px;
126     text-align: center;
127     width: 60px;
128 }
129 .items>img {
130     height: 90px;
131 }
132 .loading {
133     justify-content: center;
134     align-items: center;
135 }
136 .btn {
137     border: none;
138     background: none;
139     appearance: none;
140     width: 35px;
141     margin: 8px;
142     padding: 3px;
143     text-decoration: underline;
144     display: flex;
```

```
144     display: flex;
145   }
146   .btn>a {
147     text-decoration: none;
148   }
149   @import url(https://fonts.googleapis.com/css?family=Roboto:100);
150   h1 {
151     font: 2em 'Roboto', sans-serif;
152     margin-bottom: 40px;
153   }
154   .loader {
155     display: inline-block;
156     width: 50px;
157     height: 50px;
158     margin: 50px;
159     padding: 50px;
160     border: 3px solid ■ rgba(51, 221, 13, 0.804);
161     border-radius: 50%;
162     border-top-color: ■ #ca1010;
163     -webkit-animation: spin 1s ease-in-out infinite;
164     animation: spin 1s ease-in-out infinite;
165   }
166   @keyframes spin {
167     to {
168       -webkit-transform: rotate(360deg);
169     }
170   }
171   @-webkit-keyframes spin {
172     to {
173       -webkit-transform: rotate(360deg);
174     }
175   }
176 </style>
```

JS:

```

201 <script>
202   var selectedRow = null;
203   let header = document.getElementsByClassName("header-add")[0];
204   //read data from local storage and display
205   let books = [{}];
206   const getB = localStorage.getItem("books");
207   const dataB = JSON.parse(getB);
208
209   let results = [];
210   let output = '';
211   var loading = (value) => {
212     if (value == 'true') {
213       setTimeout(() => {
214
215         }, 1000)
216       document.getElementsByClassName('loading')[0].style.display = 'flex'
217       document.getElementsByClassName('container')[0].style.display = 'none'
218     } else {
219       document.getElementsByClassName('container')[0].style.display = 'flex';
220       document.getElementsByClassName('loading')[0].style.display = 'none';
221     }
222   }
223   loading("true");
224
225   fetch('https://jsonplaceholder.typicode.com/photos').then(async(res) => {
226     results = await res.json();
227     var title = '';
228     for (result in results) {
229       output +=
230         `<div class="items">` +
231         `` +
232         `<div class="name">Title : ${results[result].title.toString().substring(0, 10)}...</div>` +
233         `<div class="price">Id : ${results[result].id}</div>` +
234         `<div class="category">Album ID : ${results[result].albumId}</div>` +
235         `<button class="btn">` +
236         `<a href="/fetchapi-detail.html?bookid=${parseInt(result)+1}">see</a>` +
237         `</button>` +
238         `</div>`;
239     }
240     document.getElementById("add_items").innerHTML += output;
241     setTimeout(() => {
242       loading("false");
243     }, 100)
244   });
245
246

```

```

246
247   function onFormSubmit(e) {
248     event.preventDefault();
249     var formData = readFormData();
250     if (selectedRow === null) {
251       insertNewRecord(formData);
252     } else {
253       updateRecord(formData);
254     }
255     resetForm();
256   }
257   //clear placeholder
258   document.querySelector('.add_book').placeholder = '';
259
260   //Retrieve the data
261   function readFormData() {
262     var formData = {};
263     formData["name_book"] = document.getElementById("name_book").value;
264     formData["price_book"] = document.getElementById("price_book").value;
265     formData["category_book"] = document.getElementById("category_book").value;
266
267     return formData;
268   }

```

```
268     }
269     //Insert the data
270     function insertNewRecord(data) {
271         const getdata = localStorage.getItem('books');
272         let databookss = JSON.parse(getdata);
273
274         books = Object.assign([], databookss);
275         let x;
276         if (databookss == null) {
277             x = 0
278         } else {
279             x = databookss.length;
280         }
281         const book = {
282             name: `${data.name_book}`,
283             price: `${data.price_book}`,
284             category: `${data.category_book}`
285         };
286         books[x] = book;
287         localStorage.setItem('books', JSON.stringify(books));
288         let databooks = getbooks();
289
290         document.getElementById("add_items").innerHTML +=
291             `<div class="items">` +
292             `` +
293             `<div class="name">Name : ${databooks[x].name}</div>` +
294             `<div class="price">Price : ${databooks[x].price} riel</div>` +
295             `<div class="category">Category : ${databooks[x].category}</div>` +
296             `<div class="button">` +
297             `<button id="${parseInt(x)}" class="editBtn" onclick="editBook(this.id)">Edit</button>` +
298             `<button id="${parseInt(x)}" class="deleteBtn" onclick="deleteBook(this.id)">Delete</button>` +
299             `</div>` +
300             `</div>`;
301     }
302     //Edit the data
303     function editBook(id) {
304         header.innerHTML = "Edit information here!";
305         header.style.backgroundColor = "rgb(61,133,198)";
306
307         let getdatabooks = getbooks();
308
309         selectedRow = id;
310         document.getElementsByClassName("edit_book")[0].style.visibility = 'visible';
311         document.getElementsByClassName("add_book")[0].style.visibility = 'hidden';
312
313         document.getElementById('name_book').value = getdatabooks[id].name;
```



```

313     document.getElementById('name_book').value = getdatabooks[id].name;
314     document.getElementById('price_book').value = getdatabooks[id].price;
315     document.getElementById('category_book').value = getdatabooks[id].category;
316 }
317
318 function updateRecord(formData) {
319     document.getElementsByClassName("name")[selectedRow].innerHTML = "Name : " + formData.name_book;
320     document.getElementsByClassName("price")[selectedRow].innerHTML = "Price : " + formData.price_book + " riels";
321     document.getElementsByClassName("category")[selectedRow].innerHTML = "Category : " + formData.category_book;
322     document.getElementsByClassName("edit_book")[0].style.visibility = 'hidden';
323     document.getElementsByClassName("add_book")[0].style.visibility = 'visible';
324
325     //get books from localStorage
326     let bookss = getbooks();
327     const bookUpdate = {
328         name: `${formData.name_book}`,
329         price: `${formData.price_book}`,
330         category: `${formData.category_book}`
331     };
332
333     //merge bookss to books
334     books = Object.assign([], bookss);
335     books[selectedRow] = bookUpdate;
336     localStorage.setItem('books', JSON.stringify(books));
337
338     document.getElementsByClassName("header-add")[0].innerHTML = "Add new book here!";
339     header.style.backgroundColor = "rgb(147, 196, 125)";
340     selectedRow = null;
341 }
342
343 //delete
344 function deleteBook(id) {
345     //get books from localStorage
346     let databooks = getbooks();
347     if (confirm('Do you want to delete this record?')) {
348         //remove books at id and count 1
349         databooks.splice(id, 1);
350         localStorage.setItem('books', JSON.stringify(databooks));
351
352         //reset home to update id element
353         document.getElementById("add_items").innerHTML = '';
354         document.getElementById("add_items").innerHTML = `<div class="book-info">Book</div>`;
355         for (databook in databooks) {
356             document.getElementById("add_items").innerHTML +=
357                 `<div class="items">` +
358                 `` +

```

```

358                 `` +
359                 `<div class="name">Name : ${databooks[databook].name}</div>` +
360                 `<div class="price">Price : ${databooks[databook].price} riels</div>` +
361                 `<div class="category">Category : ${databooks[databook].category}</div>` +
362                 `<div class="button">` +
363                 `<button id="${parseInt(databook)}" class="editBtn" onclick="editBook(this.id)">Edit</button>` +
364                 `<button id="${parseInt(databook)}" class="deleteBtn" onclick="deleteBook(this.id)">Delete</button>` +
365                 `</div>` +
366                 `</div>`;
367         }
368     }
369     resetForm();
370 }
371
372 function resetForm() {
373     document.getElementById('name_book').value = '';
374     document.getElementById('price_book').value = '';
375     document.getElementById('category_book').value = '';
376 }
377 //get books from localStorage
378 function getbooks() {
379     const getbooks = localStorage.getItem('books');
380     let databooks = JSON.parse(getbooks);
381     return databooks;
382 }
383 </script>

```

Result:

Name

Category

Price

Add

Title : accusamus ...

Id : 1

Album ID : 1

500

Title : reprehende...

Id : 2

Album ID : 1

500

Title : officia po...

Id : 3

Album ID : 1

500

Title : culpa odio...

Id : 4

Album ID : 1

500

Title : natus nisi...

Id : 5

Album ID : 1

500

Title : accusamus ...

Id : 6

Album ID : 1

500

Title : officia de...

Id : 7

Album ID : 1

500

Title : aut porro ...

Id : 8

Album ID : 1

500

Title : qui eius q...

Id : 9

Album ID : 1

500

Title : beatae et ...

Id : 10

Album ID : 1

500

Title : nihil at a...

Id : 11

Album ID : 1

500

Title : mollitia s...

Id : 12

Album ID : 1

500

aut porro officis laborum odit ea laudantium corporis

1

8

500 x 500