CARRAZ-BILLAT Armand

TP 05 Internet Programming

URL : https://armczbtgic.github.io/TP05/

1. **Exercice 1: Bored API**
    a. **HTML**

```html
<section id="Ex1">

    <section>

        <h3>Are you bored ?</h3>

        <h1>Let's find an activity for you !</h1>

    </section>

    <section>
        <img src="3342363.webp">
    </section>

    <section>

        <button class="button-35" id="btn1" onclick="boredApi()">Click me</button>
        <section id="load">
            <div class="lds-ring"><div></div><div></div><div></div><div></div></div>
        </section>


    </section>

</section>
```

```html
<section id="results">



    <table id="tableAc">
        <tr>
            <td class="name">Activity Name</td>
            <td id="aname"></td>
        </tr>
        <tr>
            <td class="name">Activity type</td>
            <td id="type"></td>
        </tr>
        <tr>
            <td class="name">Number of participants</td>
            <td id="partic"></td>
        </tr>
        <tr>
            <td class="name">Price</td>
            <td id="price"></td>
        </tr>
        <tr>
            <td class="name">Link</td>
            <td id="link"></td>
        </tr>
        <tr>
            <td class="name">Key</td>
            <td id="key"></td>
        </tr>
        <tr>
            <td class="name">Accesibility</td>
            <td id="acc"></td>
        </tr>

    </table>

</section>
```

b. JavaScript

```javascript
var btn1 = document.getElementById('btn1');
var aname = document.getElementById('aname');
var type = document.getElementById('type');
var partic = document.getElementById('partic');
var price = document.getElementById('price');
var link = document.getElementById('link');
var key = document.getElementById('key');
var acc = document.getElementById('acc');
var load = document.getElementById('load');
```

```javascript
function boredApi() {
  load.hidden = false;
  fetch('https://www.boredapi.com/api/activity').then(async (res) => {
    let data = await res.json();
    tabAc = false;
    console.log(data);
    aname.innerHTML=data.activity;
    type.innerHTML=data.type;
    partic.innerHTML=data.participants;
    price.innerHTML=data.price;
    link.innerHTML=data.link;
    key.innerHTML=data.key;
    acc.innerHTML=data.accessibility;
    load.hidden = true;
  })
}
```

2. Exercice 2 : Know Your Gender API
a. HTML

```html
<section id="Ex2">

    <section>

        <h3>Know your gender?</h3>

        <h1>What gender are you ?</h1>

    </section>

    <section>
        <img src="4073340.webp">
    </section>

    <section>
        <div>
            <br>
            <br>
            <input type="text" id="name" name="name" placeholder="What's your name?" required minlength="2" maxlength="15" size="10">
            <br>
            <br>
            <button class="button-35" id="btn2" onclick="genderapi()">Click me</button>
        </div>

        <section id="load2">
            <div class="lds-ring"><div></div><div></div><div></div><div></div></div>
        </section>

    </section>

    <section id="results">

        <p id="resGen"></p>

    </section>
```

b. **JavaScript**

```javascript
function genderapi() {

    let value = document.getElementById("name").value;
    if(value!==''){
        load2.hidden = false;
        fetch('https://api.genderize.io?name='+value).then(async (res) => {
            let data = await res.json();
            console.log(data);
            let color;
            if(data.gender==='female'){
                color='FF95C4';
            }else{
                color='7BBFFF';
            }
            resGen.innerHTML="<span style='color: black; font-weight: bold;'>"+value+"</span>"+" is a "+"<span style='color:#"+color+"; font-weight: bold;'>"+data.gender+"</spa
            load2.hidden = true;
        })
    }else{
        alert("You didn't write a name !")
    }

}
```

The end of line « resGen...."

```
: bold;'>"+data.gender+"</span>"+" with a probability of "+"<span style='color: red; font-weight: bold;'>"+(data.probability*100)+" % !"+"</span>";
```

3. **Exercise 3 : Nationality API**
   a. **HTML**

```html
<section id="Ex3">

    <section>

        <h3>Know your nationality?</h3>

        <h1>Which nationality are you?</h1>

    </section>

    <section>
        <img src="3718748.webp">
    </section>

    <section>
        <div>
            <br>
            <br>
            <input type="text" id="name2" name="name2" placeholder="What's your name?" required minlength="2" maxlength="15" size="10">
            <br>
            <br>
            <button class="button-35" id="btn2" onclick="nationality()">Click me</button>
        </div>

        <section id="load3">
            <div class="lds-ring"><div></div><div></div><div></div><div></div></div>
        </section>
    </section>


    <section id="results">


        <table id="resNat">


        </table>


    </section>

</section>
```

b. Javascript

```javascript
function nationality() {

  let value = document.getElementById("name2").value;
  if(value!==''){
    load3.hidden = false;
    fetch('https://api.nationalize.io/?name='+value).then(async (res) => {
      let data = await res.json();
      console.log(data);
      let text='';
      for(let i=0; i<data.country.length; i++){
        text+="<tr><td><span style='font-weight: bold;'>"+data.country[i].country_id+"</span></td><td>"+(data.country[i].probability*100)+" %</td></tr>";
      }

      resNat.innerHTML=text;

      load3.hidden = true;
    })
  }else{
    alert("You didn't write a name !")
  }

}
```

4. Exercise 4 : Universities API
   a. HTML

```html
<section id="Ex4">

    <section>

        <h3>Where do you wanna study?</h3>

        <h1>Which school is made for you?</h1>

    </section>

    <section>
        <img src="2589413.webp">
    </section>

    <section>
        <div>
            <br>
            <br>
            <input type="text" id="name3" name="name3" placeholder="What's your country?" required minlength="2" maxlength="15" size="10">
            <br>
            <br>
            <button class="button-35" id="btn3" onclick="universities()">Click me</button>
        </div>

        <section id="load4">
            <div class="lds-ring"><div></div><div></div><div></div><div></div></div>
        </section>

    </section>

    <section id="resSt">

        <div class="grid-container" id="gridRes">

        </div>

    </section>

</section>
```

b. Javascript

```javascript
function universities(){

  let value = document.getElementById('name3').value;
  if(value!==''){
  fetch('http://universities.hipolabs.com/search?country='+value).then(async (res) => {
    load4.hidden=false;
    let data = await res.json();
    console.log(data);
    let text='';
    for(let i=0; i<data.length; i++){
      text+="<div class='grid-item'><p><span style='font-weight: bold;'>"+data[i].name+"</span></p><p>"+data[i].country+"-"+data[i].alpha_two_code+"</p><a href="+dat

    }

    resGrid.innerHTML=text;

    load4.hidden = true;
  })
}else{
  alert('No country entered')
}

}
```

And the end of the line text....

```javascript
na_two_code+"</p><a href="+data[i].web_pages[0]+">"+data[i].web_pages[0]+"</a></div>";
```

5. Exercise 5 : Books API
a. HTML

```html
<section id="Ex5">

    <section>

        <h3>What do you wanna read?</h3>

        <h1>As I wasn't here during 1st semester, I don't have the book app</h1>

    </section>

    <section>
        <img src="3162192.webp">
    </section>

    <section>
        <div>
            <br>
            <br>
            <button class="button-35" id="btn4" onclick="catchbooks()">See all books</button>
        </div>

        <section id="load5">
            <div class="lds-ring"><div></div><div></div><div></div><div></div></div>
        </section>

    </section>

    <section id="resBook">

        <div class="grid-container" id="gridResBook">


        </div>


    </section>

</section>
```

b. JavaScript

```javascript
function catchbooks(){

  fetch('https://jsonplaceholder.typicode.com/photos').then(async (res) => {
    load5.hidden=false;
    let data = await res.json();
    console.log(data);
    let text='';
    for(let i=0; i<data.length; i++){
      text+="<div class='grid-item'><img src='"+data[i].thumbnailUrl+"'alt='' class='book'><p><span style='font-weight: bold;'> Titre:"+data[i].title+"</span></p>
    }

    resb.innerHTML=text;

    load5.hidden = true;
  })

}
```

```
data[i].title+"</span></p><p> Album ID:"+data[i].albumId+"</p><p> Category:"+data[i].id+"</p><a href='./bookinfo.html?bookId="+data[i].id+"' target='popup' onclick='win
```

```
+data[i].id+"' target='popup' onclick='window.open(./bookinfo.html?bookId="+data[i].id+",'_blank'); return false;'>More details</a></div>";
```