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TP 06 Internet Programming

URL : https://armczbtgic.github.io/TP06/

1. Exercice 1: Infinite scroller

a. HTML

```
1
2    <section id="Ex1">
3
4        <section id="Titles">
5
6            <h3>Infinite scroller</h3>
7
8            <h1>Build a scrollable content with a pagination API for infinite scroll !</h1>
9
10
11       </section>
12
13   <section id="scrollerPar">
14
15       <div id="scroller2">
16
17           <div id="scroller">
18
19               <h2>Loading for the first time !</h2>
20
21           </div>
22
23       </div>
24
25
26       <div id="load"><div class="lds-ring"><div></div><div></div><div></div><div></div></div></div>
27
28   </section>
29
30   </section>
```

b. JavaScript

```javascript
const scroller = document.getElementById("scroller");
const scroller2 = document.getElementById("scroller2");
const scrollerd = document.getElementById("scrollerd");
const scrollerd2 = document.getElementById("scrollerd2");
var txt = "";
var page = 1;
var limit = 15;
var txt2 = "";
var page2 = 1;
var limit2 = 15;
var isLoading = false;
var isLoading2 = false;
var load = document.getElementById('load');
var load2 = document.getElementById('load2');

window.localStorage.clear();


function getInfos() {
    return fetch(`https://api.instantwebtools.net/v1/passenger?page=${page}&size=${limit}`)
        .then(async (res) => {
            let data = await res.json();
            console.log(data);
            localStorage.setItem(`${page}`, JSON.stringify(data));
            localStorage.setItem(`max-page`, page);
            return data;
        });
}
```

```javascript
function appInfos() {

    const storedPage = localStorage.getItem(`max-page`); // récupère l
e numéro de page stocké dans localStorage
    if (storedPage) {
        page = parseInt(storedPage) + 1;
    }
    load.hidden=false;
    getInfos().then((dat) => {
        console.log(dat);

        for (let i = 0; i < dat.data.length; i++) {
            txt += "<div class='flight'><p> ✈ " + dat.data[i].airlin
e[0].name + " - " + dat.data[i].airline[0].country + "</p><p> 😃 " +
dat.data[i].name + "</p></div>";
        }
        load.hidden=true;
        scroller.innerHTML = txt;
        txt = scroller.innerHTML;
    });
}
```

```javascript
appInfos();
scroller2.addEventListener("scroll", handleScroll);



function handleScroll() {
    const { scrollTop, clientHeight, scrollHeight } = scroller2;
    if ((clientHeight + scrollTop) >= scrollHeight*0.99 && !isLoading) {
        isLoading = true;
        load.hidden=false;
        page++;
        const storedData = localStorage.getItem(`${page}`); // récupère les données stockées pour la page courante
        if (storedData) {
            const dat = JSON.parse(storedData);
            for (let i = 0; i < dat.data.length; i++) {
                txt += "<div class='flight'><p> ✈ " + dat.data[i].airline[0].name + " - " + dat.data[i].airline[0].country + "</p><p> 😃 " + dat.data[i].name + "</p></div>";
            }
            load.hidden=true;
            scroller.innerHTML = txt;
            txt = scroller.innerHTML;
            isLoading = false;
            if ((clientHeight + scrollTop) >= scrollHeight*0.99) {
                handleScroll();
            }
        } else {
            getInfos().then((dat) => {
                console.log(dat);

                for (let i = 0; i < dat.data.length; i++) {
                    txt += "<div class='flight'><p> ✈ " + dat.data[i].airline[0].name + " - " + dat.data[i].airline[0].country + "</p><p> 😃 " + dat.data[i].name + "</p></div>";
                }
                load.hidden=true;
                scroller.innerHTML = txt;
                txt = scroller.innerHTML;
                isLoading = false;
                if ((clientHeight + scrollTop) >= scrollHeight*0.99) {
                    handleScroll();
                }
            });
        }
    }
}
```

2. Exercice 2 : Know Your Favorite Drink
a. HTML

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

    <section id="Titles">

        <h3>Find Your Favorite Drink !</h3>

        <h1>Build a paginated scrollable list and design a details viewer next to the list</h1>


    </section>

<section id="scrollerPar2">

    <div id="scrollerd2">

        <div id="scrollerd">

            <h2>Loading for the first time !</h2>

        </div>

    </div>


        <div id="details2">
            <h2>Click on a drink to see details here!</h2>
        </div>

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

</section>
</section>
```

b. JavaScript

```javascript
function getInfosDrink() {
    return fetch(`https://api.punkapi.com/v2/beers?page=${page2}&per_page=${limit2}`)
        .then(async (res2) => {
            let data2 = await res2.json();
            console.log(data2);
            localStorage.setItem(`${page2}`, JSON.stringify(data2)); // stocke les données dans localStorage avec la clé `passengerData${page}`
            localStorage.setItem(`max-page-drink`, page2); // stocke le numéro de page dans localStorage avec la clé `passengerPage`
            return data2;
        });
}
```

```javascript
function appInfosDrink() {
    console.log(page2,limit2);
    const storedPage2 = localStorage.getItem(`max-page-drink`); // récupère le numéro de page stocké dans localStorage
    if (storedPage2) {
        page2 = parseInt(storedPage2) + 1;
    }
    console.log(page2,limit2);
    load2.hidden=false;
    getInfosDrink().then((dat2) => {
        console.log(dat2);

        for (let i = 0; i < dat2.length; i++) {
            txt2 += "<div class='drink' data-id='"+dat2[i].id+"'><h2 data-id='"+dat2[i].id+"'> " + dat2[i].name + "</h2><p class='desc' data-id='"+dat2[i].id+"'>" + dat2[i].description + "</p></div>";
        }
        load2.hidden=true;
        scrollerd.innerHTML = txt2;
        txt2 = scrollerd.innerHTML;
    });
}
```

```javascript
scrollerd2.addEventListener("scroll", handleScrollDrink);

function handleScrollDrink() {
    const { scrollTop, clientHeight, scrollHeight } = scrollerd2;

    if ((clientHeight + scrollTop) >= scrollHeight*0.99 && !isLoading2) {

        isLoading2 = true;
        load2.hidden=false;
        page2++;
        const storedData2 = localStorage.getItem(`${page2}`); // récupère les données stockées pour la page courante
        if (storedData2) {
            const dat2 = JSON.parse(storedData2);
            for (let i = 0; i < dat2.length; i++) {
                txt2 += "<div class='drink' data-id='"+dat2[i].id+"'><h2 data-id='"+dat2[i].id+"'> " + dat2[i].name + "</h2><p class='desc' data-id='"+dat2[i].id+"'>" + dat2[i].description + "</p></div>";
            }
            load2.hidden=true;
            scrollerd.innerHTML = txt2;
            txt2 = scrollerd.innerHTML;
            isLoading2 = false;
            if ((clientHeight + scrollTop) >= scrollHeight*0.99) {
                handleScrollDrink();
            }
        } else {
            getInfosDrink().then((dat2) => {
                console.log(dat2);

                for (let i = 0; i < dat2.length; i++) {
                    txt2 += "<div class='drink' data-id='"+dat2[i].id+"'><h2 data-id='"+dat2[i].id+"'> " + dat2[i].name + "</h2><p class='desc' data-id='"+dat2[i].id+"'>" + dat2[i].description + "</p></div>";
                }
                load2.hidden=true;
                scrollerd.innerHTML = txt2;
                txt2 = scrollerd.innerHTML;
                isLoading2 = false;
                if ((clientHeight + scrollTop) >= scrollHeight*0.99) {
                    handleScrollDrink();
                }
            });
        }
    }
}


const details2 = document.getElementById('details2');

async function fetchDrinkDetails(drinkId) {
    const response = await fetch(`https://api.punkapi.com/v2/beers/${drinkId}`);
    const data = await response.json();
    return data;
}



scrollerd2.addEventListener('click', async (event) => {
    console.log(event.target.dataset.id);
    const drinkId = event.target.dataset.id;
    const drinkDetails = await fetchDrinkDetails(drinkId);
    console.log(drinkDetails);
    details2.style.opacity = 0;

    setTimeout(function(){
        details2.innerHTML = `<img src="${drinkDetails[0].image_url}" alt="${drinkDetails.name}"><h2>${drinkDetails[0].name}</h2><p>${drinkDetails[0].description}</p>`;
        details2.style.opacity = 1;
    },500);

    // Afficher les informations de la boisson dans la div "details"

    event.target.parentNode.style.opacity = 1;
});
```