Name: Rotha Dapravith
ID: e20190915
Group: I4 GIC(C)

TP06 JavaScript (Pagination, Local data sync)

GitHub repository: https://github.com/Dapravith/TP Internet Programming/tree/TP06

Exercise01: Pagination (infinie scroll)

`https://api.instantwebtools.net/v1/passenger

?page=\${page}&size=\${limit}`

Build a scrollable content with a pagination API for infinite scroll.

- index.html

```
Exercise01 > ♦ index.html > ♦ html > ♦ body > ♦ div.wrapper > ♦ div.content-wrapper
      <!DOCTYPE html>
      <html lang="en">
           <meta charset="UTF-8">
           <meta http-equiv="X-UA-Compatible" content="IE=edge">
           <meta name="viewport" content="width=device-width, initial-scale=1.0">
           <link rel="stylesheet" href="./style.css">
           <title>Ex01 Pagination Infinite Scroll</title>
      </head>
           <div class="wrapper">
               <div id="page-Number">0</div>
               <div class="content-wrapper">
                   <div class="content">
                   </div>
                   <div id="loader"></div>
               k/div>
 19
           </div>
           <script src="./pagination.js"></script>
      </body>
      </html>
```

```
Exercise01 > (6) style.scss > 😂 #page-Number
                          margin: 0;
                         padding: 0;
                         box-sizing: border-box;
             .wrapper {
    width: 800px;
    height: 400px;
    margin: auto;
    margin-top: 4rem;
    border: 4px solid □ black;
               display: ⊞ flex;
                         background-color: __rgb(190, 182, 182);
             .content-wrapper {
             padding: 8px;
width: 95%;
overflow-y: auto;
overflow-x: hidden;
background-color: __rgb(255, 255, 255);
          .content {
   width: 100%;
   padding: 3px;
   height: fit_content;
   background-color: grey;
         .content>* {
    padding: 1px;
    height: 6rem;
    min-height: fit-content;
    margin-top: 3px;
    background-color: white;
    border-radius: 4px;
}
          v.content p {
    display: □ flex;
    height: fit-content;
    align-items: center;
    margin: θ;

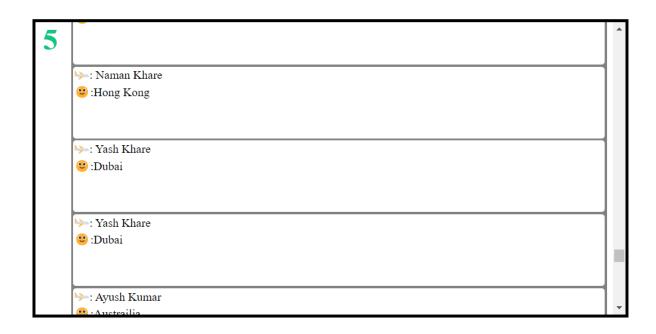
    #loader {
        margin: auto;
}

                       border: 16px solid ■#ffffff;
border-radius: 50%;
border-top: 16px solid ■hsl(30, 62%, 51%);
border-bottom: 16px solid □hsl(44, 100%, 40%
                       border-bottom: 16px solid hsl(44, 100 width: 100px; height: 100px; animation: spin 1500ms linear infinite; display: flex; justify-content: center; align-items: center; display:none;
```

- pagination.js

```
Exercise01 > (); pagination.js > ...
                              const contentWrapper = document.getElementsByClassName("content-wrapper")[0];
                              const content = document.getElementsByClassName("content")[0];
                              const pageNumber = document.getElementById("page-Number");
                             let pageNum = 0
                             let loading = false;
                             const loader=document.getElementById("loader");
                                                                 loading=true;
                                                                  fetch(\ \underline{\ https://api.instantwebtools.net/v1/passenger?page=\$\{pageNum\}\&size=25\ \underline{\ ).then(async (res) => \{pageNum\}\&size=25\ \underline{\ ).then(async (res) => \{
                                                                                  const data = await res.json();
                                                                                  loading=false;
                                                                                  pageNumber.innerHTML=pageNum;
                                                                                 pageNum++;
                              contentWrapper.addEventListener("scroll", () => {
                               function onFetch() {
                                                 fetAPI().then((res) => {
                                                                  for (let c of data) {
                                                                                                      <img style="height: 1.3rem;" src="./airplane.png">: ${c.name}
```

- Result for Ex01:



Ex02: Local data sync

Apply local storage for infinite scroll.

-index.html

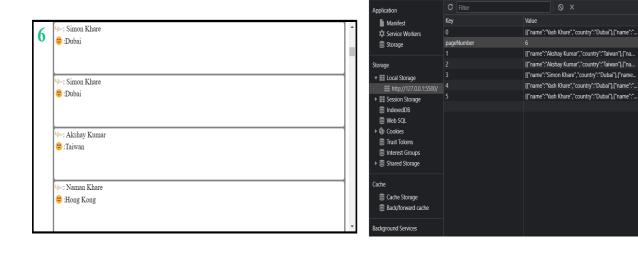
```
<!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="./style.css">
    <title>Exercise02 Local Data Sync</title>
    <div class="wrapper">
        <div id="page-Number">0</div>
        <div class="content-wrapper">
            <div class="content">
            </div>
            <div id="loader"></div>
        </div>
    </div>
    <script src="./localdata.js"></script>
</body>
</html>
```

```
Exercise02 > (6) style.scss > 😂 *
       *c {
            margin: 0;
            padding: 0;
            box-sizing: border-box;
       .wrapper {
           width: 800px;
           height: 400px;
           margin: auto;
           margin-top: 4rem;
           border: 4px solid □black;
            display: flex;
            background-color: ☐ rgb(190, 182, 182);
       #page-Number {
           width: 5%;
       .content-wrapper {
           padding: 8px;
           overflow-x: hidden;
            background-color: ☐rgb(255, 255, 255);
       }
       .content {
           width: 100%;
           padding: 3px;
           height: fit-content;
            background-color: ☐ grey;
       3
          padding: 1px;
           height: 6rem;
          min-height: fit-content;
margin-top: 3px;
          background-color: ☐white;
          display: Eflex;
           height: fit-content;
           align-items: center;
           margin: 0;
           margin: auto;
           border: 16px solid □#ffffff;
          border-top: 16px solid □ hsl(30, 62%, 51%);
border-bottom: 16px solid □ hsl(44, 100%, 40%)
           width: 100px;
height: 100px;
           display: Eflex;
           justify-content: center;
           display:none;
```

- localdata.js

```
if (pageNum == 0) onFetch()
function onFetch() {
       let objString = [];
for (let c of data) {
               <img style="height: 1.3rem;" src="./airplane.png">: ${c.name}
                 :${c.airline[0].country}
           </div>
           objString.push(obj);
       localStorage.setItem(pageNum, JSON.stringify(objString));
       pageNum++;
       pageNumber.innerHTML = pageNum;
        localStorage.setItem("pageNumber", pageNum)
fetchData_LocalStorage();
function fetchData_LocalStorage() {
   for (let i in localStorage) {
       const a=localStorage.getItem(i);
                   <img style="height: 1.3rem;" src="./airplane.png">: ${c.name}
```

- Result for Ex02



Exercise03: List and Viewer

`https://api.punkapi.com/v2/beers?

Page=\${page}&per page=\${limit}`

Build a paginated scrollable list and design a details viewer next to the list.

*** Infinite Scroll + Local store sync

-index.html

```
Exercise03 > ↔ index.html > ...
  1 <!DOCTYPE html>
  2 ∨ <html lang="en">
          <meta charset="UTF-8">
         <meta http-equiv="X-UA-Compatible" content="IE=edge">
          <meta name="viewport" content="width=device-width, initial-scale=1.0">
          <link rel="stylesheet" href="./style.css">
           <title>Exercise 3 List and View</title>
      </head>
 11 \vee \langlebody\rangle
 12 V <div id="container">
             <div><h1>Find your Favorite ?</h1></div>
             <div id="block">
                  <div id="block list"></div>
                   <div id="block_display"></div>
               </div>
          </div>
           <script src="./listview.js"></script>
     </body>
      </html>
```

style.scss

```
#block display{
       font-family: Arial, Helvetica, sans-serif;
       border: 2px solid ☐#f4f4f4;
       width: 400px;
       height: 500px;
       background-color: ☐white;
       margin: 5px;
       border-radius: 10px;
46
    #loading{
      margin-top: 250px;
       width: 50%;
       height: 100px;
    .box_list{
      display: m flex;
      margin-top: 5px;
      margin-left: 10px;
       width: 95%;
      height: 100px;
      background-color: □white;
       border-radius: 5px;
    .image_list{
    .box_list:hover{
       background-color: ☐ rgb(64, 105, 210);
    .text1{
       margin-top: 10px;
        .text2{
            margin-top: 10px;
        .block_display_beer{
             display: grid;
             justify-content: center;
      }
.image_beer{
             display: 🖪 flex;
             justify-content: center;
             width: 200px;
             height: 400px;
             margin-top: 20px;
        .description{
             text-align: center;
        .name{
             margin-top: 10px;
        .time{
            margin-top: 10px;
        .contribution{
            margin-top: 10px;
        .builder{
            font-weight: bold;
```

- Listview.js

```
Exercise03 > (); listview.js > .
      let list data = document.getElementById("block list");
      let dataLoading =false;
      let page=0;
      let parseddata="";
      function click_display(){
          for(let i=0,len=list data.children.length;i<len;i++){</pre>
                  list_data.children[i].onclick=function(){
                      tmp1=
                      <div class="block_display_beer">
                          <div class="image_beer"><img src="${parseddata[index].image_url}" class="beer"></img></div>
                          <div class="description">
                              <h3 class="name">${parseddata[index].name}</h3>
                              ${parseddata[index].first_brewed}
${parseddata[index].description}
                              Contribution
                             ( ${parseddata[index].contributed_by} )
                      </div>
                      document.getElementById("block display").innerHTML=tmp1;
           const str = localStorage.getItem('data');
                   `<div class="box list">
                      <div class="image_list"> </div>
                          ${parseddata[i].name}
               number_page=parseddata.length/10;
               page=parseddata.length;
               size=page+10;
               fetch(`https://api.punkapi.com/v2/beers? page=${page}}&per_page=${size}`).then(async (res) =>{
                  let data_list = await res.json();
const data_json = JSON.stringify(data_list);
                   window.localStorage.setItem('data', data_json);
                   for(let i=page ; i<data_list.length;i++){</pre>
                           `<div class="box_list">
                              <div class="list_each_data">
                                  ${data_list[i].name}
                                  ${data_list[i].description.substring(0, 30).concat('...')}
                   document.getElementById("block_list").innerHTML=tmp;
                   click_display()
```

- Result for Ex03:

