

INTERNET PROGRAMMING

TP3 - Local storage,
Cookie, and session

Lecturer
HOK TIN

Student
CHHORN KAKADA
E20190146
GIC-A

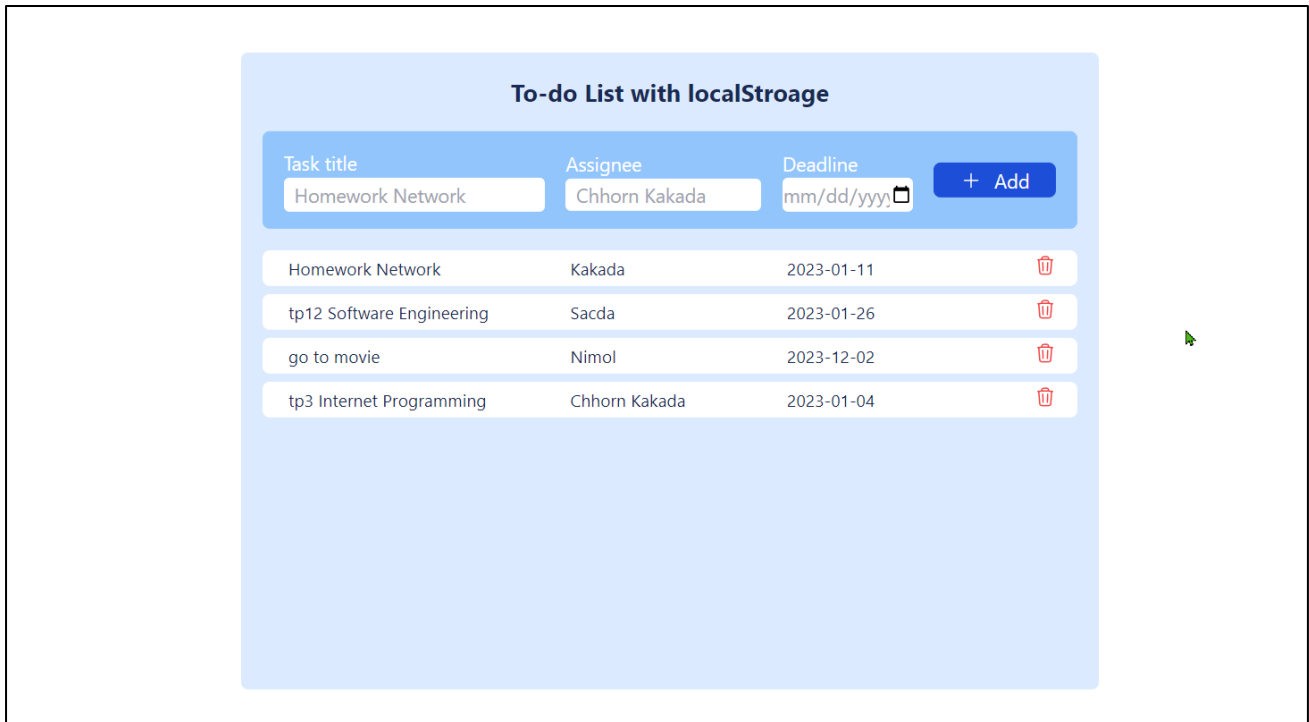
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Github account :

<https://github.com/ChhornKakada/InternetProgramming.I4/tree/main/tp3.Local%20storage%2C%20Cookie%20and%20Session/>

1. To-Do list with Local storage

- index.html



- app.js

```
File Edit Selection View Go Run Terminal Help app.js - tp3.Local storage, Cookie and Session - Visual Studio Code
JS app.js JS tailwindcss
ex1. ToDoList_LocalStorage > JS app.js > ...
1 const htmlRecordTask = document.getElementById("recordData");
2
3 let keys = Object.keys(localStorage);
4 for (let key of keys) {
5   var toDo = JSON.parse(`${localStorage.getItem(key)}`);
6   displayInHtml(key, toDo);
7 }
8
9 // record a task and store it in Localstorage
10 function recordDataToLocalStorage() {
11   // event.preventDefault();
12   var toDo = {};
13   toDo["title"] = document.getElementById("taskTitleInput").value;
14   toDo["assignee"] = document.getElementById("assignee").value;
15   toDo["deadline"] = document.getElementById("deadline").value;
16
17   var today = new Date();
18   const value = JSON.stringify(toDo);
19   var key = today.getTime();
20   localStorage.setItem(`${key}`, value);
21   displayInHtml(key, toDo);
22
23   clearForm();
24 }
25
26 // display the task in html
```

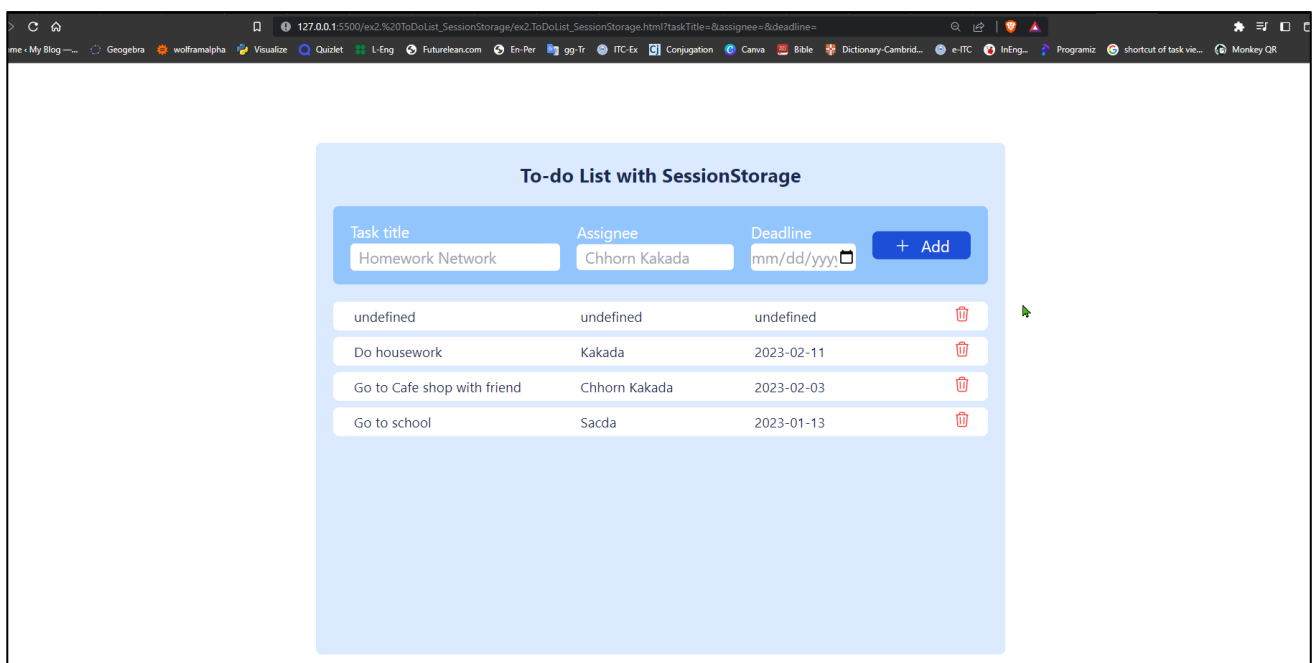
```

25
26 // display the task in html
27 function displayInHtml(key, toDo) {
28   htmlRecordTask.innerHTML += `
29     <div class="flex justify-evenly w-full mb-[1%] rounded-lg items-center bg-white py-[0.5%] text-[#192A52]"
30       id="data${key}">
31       <div class="w-[32%]">
32         <p>&nbsp;&nbsp;&nbsp;${toDo.title}</p>
33       </div>
34       <div class="w-[24%]">
35         <p>&nbsp;&nbsp;&nbsp;${toDo.assignee}</p>
36       </div>
37       <div class="w-[16%]">
38         <p>&nbsp;&nbsp;&nbsp;${toDo.deadline}</p>
39       </div>
40       <div class="w-[15%] text-end text-red-500">
41         <button id="${key}" onclick="deleteData(this.id)">
42           <svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="1.5"
43             stroke="currentColor" class="w-6 h-6">
44             <path stroke-linecap="round" stroke-linejoin="round"
45               d="M14.74 9l-.346 9m-4.788 0L9.26 9m9.968 3.21c.342.052.682.107 1.022.166m-1.022-.165L18.16 19.673a2.2!
46             </svg>
47           </button>
48         </div>
49       </div>
50     `;
51   }
52
53 // delete data(task)
54 function deleteData(key) {
55   if (confirm('Are you sure you want to delete this task?')) {
56     localStorage.removeItem(`${key}`);
57     document.getElementById(`data${key}`).remove();
58   }
59 }
60
61 // clear from
62 function clearForm() {
63   document.getElementById("taskTitleInput").value = '';
64   document.getElementById("assignee").value = '';
65   document.getElementById("deadline").value = '';
66 }
67
68

```

2. To-Do list with Session Storage

1. index.html



2. app.js

```

JS app.js ex1. ToDoList_LocalStorage JS app.js ex2. ToDoList_SessionStorage X
ex2. ToDoList_SessionStorage > JS app.js > recordData
1 let keys = Object.keys(sessionStorage);
2 for (let key of keys) {
3   var toDo = JSON.parse(`${sessionStorage.getItem(key)}`);
4   displayInHtml(key, toDo);
5 }
6
7 function recordData() {
8   var toDo = {};
9   toDo["title"] = document.getElementById("taskTitleInput").value;
10  toDo["assignee"] = document.getElementById("assignee").value;
11  toDo["deadline"] = document.getElementById("deadline").value;
12
13  var today = new Date();
14  const value = JSON.stringify(toDo);
15  var key = today.getTime();
16  sessionStorage.setItem(`${key}`, value);
17  displayInHtml(key, toDo);
18
19  clearForm();
20 }
21
22 function displayInHtml(key, toDo) {
23   document.getElementById("recordData").innerHTML += `
24   <div class="flex justify-evenly w-full mb-[1%] rounded-lg items-center bg-white py-[0.5%] text-[#192A52]"
25   id="data${key}">
26     <div class="w-[32%]">
27       <p>&nbsp;${toDo.title}</p>
28     </div>
29     <div class="w-[24%]">
30       <p>&nbsp;${toDo.assignee}</p>
31     </div>
32     <div class="w-[16%]">
33       <p>&nbsp;${toDo.deadline}</p>
34     </div>
35     <div class="w-[15%] text-end text-red-500">
36       <button id="${key}" onclick="deleteData(this.id)">
37         <svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="1.5"
38         stroke="currentColor" class="w-6 h-6">
39           <path stroke-linecap="round" stroke-linejoin="round"
40             d="M14.74 9l-.346 9m-4.788 0L9.26 9m9.968 3.21c.342.052.682.107 1.022.166m-1.022-.165L18.16 19.673a2.2!
41         </svg>
42       </button>
43     </div>
44   </div>
45   `;
46 }
47
48 function deleteData(key) {
49   if (confirm('Are you sure you want to delete this task?')) {
50     sessionStorage.removeItem(`${key}`);
51     document.getElementById(`data${key}`).remove();
52   }
53 }
54
55 function clearForm() {
56   document.getElementById("taskTitleInput").value = '';
57   document.getElementById("assignee").value = '';
58   document.getElementById("deadline").value = '';
59 }

```