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TP3 Assignment

Git url: <https://github.com/nmaury/TpsCambodge/tree/main/InternetProgramming/tp3>

Ex01. Todo list with LocalStorage

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="tp3-01.css">
    <script src="https://cdn.tailwindcss.com"></script>
  </head>
  <body style="background-color: #1C3144">
    <div class="container-menu">
      <div class="center bold text-xl">TO-do List with LocalStorage</div>
      <div class="menu">
        <div>
          <div>Task title</div>
          <input class="input" id="title" name="title" placeholder=" Title">
        </div>
        <div>
          <div>Assingnee</div>
          <input class="input" id="assignee" name="assignee" placeholder=" John">
        </div>
        <div>
          <div>Dateline</div>
          <input class="input" id="dateline" type="date" name="dateline">
        </div>
        <div>
          <button class="add">Add</button>
        </div>
      </div>
      <div class="items" id="items-wrapper">
      </div>
    </div>
    <script>
      function addNewLine(title,assignee,dateline){
        const titleStorage = "line"+title;
        localStorage.setItem(titleStorage,JSON.stringify({title:title,assignee:assignee,dateline:dateline}))
        displayList();
      }
      document.querySelector(".add").addEventListener('click', (e)=>{
        const title = document.getElementById("title").value;
        const assignee = document.getElementById("assignee").value;
        const dateline = document.getElementById("dateline").value;
        if(title===""){
          alert("the title is missing");
        }else if(assignee===""){
          alert("the assignee is missing");
        }else if(dateline===""){

```

```

        alert("the dateline is missing")
    }else{
        addNewLine(title,assignee,dateline);
    }
})
function displayList(){
    var listContent = "";
    const keys = Object.keys(localStorage);
    keys.forEach(key=>{
        item = JSON.parse(localStorage.getItem(key));
        listContent=listContent+<div class="item">
            <div>${item.title}</div>
            <div>${item.assignee}</div>
            <div>${item.dateline}</div>
            <button class="bin" onclick="removeItem('${key}')"style="height:15px;width:20px"><svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" strokeWidth=
                <path strokeLinecap="round" strokeLinejoin="round" 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 19.673a2.25 2.25 0
            </svg>
            </button>
        </div>`
    })
    document.getElementById('items-wrapper').innerHTML=listContent;
}
displayList();
function removeItem(key){
    console.log(key);
    localStorage.removeItem(key);
    displayList();
}
/*document.querySelector(".bin").addEventListener('click',(e)=>{
    console.log('click')
    removeItem(e.currentTarget.id);
})*/
</script>
</body>
</html>

```

```

.container-menu{
    position: absolute;
    top:50%;
    left:50%;
    transform: translate(-50%,-50%);
    width:600px;
    height:400px;
    background-color: #FFFFFF;
    border:solid black 4px;
    text-align:center
}
.menu{
    width:90%;
    height:70px;
    background-color: #A0BFD6;
    border-radius: 10px;
    margin-left: 30px;
    margin-top:10px;
    display:flex;
    justify-content: space-between;
    align-items: center;
}
.add{
    color:#FFFFFF;
    width:50px;
    height: 27px;
    background-color: #0164B5;
    border-radius: 10px;
}
.input{
    width: 90%;
    border-radius: 10px;
    height: 35px;
}
.item{
    border:solid grey 1px;
    width: 90%;
    height:35px;
    display:flex;
    justify-content: space-between;
    align-items: center;
    border-radius: 10px;
    margin-left: 30px;
    margin-top:10px;
}

```

Output :

TO-do List with LocalStorage

Task title

assignment

Assingnee

nathan

Dateline

01/30/2023

Add

start

nathan

2023-01-17

assignment

nathan

2023-01-30

Ex02. Todo list with SessionStorage

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="tp3-02.css">
    <script src="https://cdn.tailwindcss.com"></script>
  </head>
  <body style="background-color: #1C3144">
    <div class="container-menu">
      <div class="center bold text-xl">TO-do List with SessionStorage</div>
      <div class="menu">
        <div>
          <div>Task title</div>
          <input class="input" id="title" name="title" placeholder=" Title">
        </div>
        <div>
          You, 12 hours ago • internet programming OK ...
        </div>
        <div>Assingnee</div>
        <input class="input" id="assignee" name="assignee" placeholder=" John">
        </div>
        <div>
          <div>Dateline</div>
          <input class="input" id="dateline" type="date" name="dateline">
        </div>
        <div>
          <button class="add">Add</button>
        </div>
      </div>
      <div class="items" id="items-wrapper">
      </div>
    </div>
    <script>
      //var listItems=[];
      function addNewLine(title,assignee,dateline){
        const titleStorage = "line"+title;
        sessionStorage.setItem(titleStorage,JSON.stringify({title:title,assignee,assignee,dateline:dateline}))
        displayList();
      }
      document.querySelector(".add").addEventListener('click', (e)=>{
        const title = document.getElementById("title").value;
        const assignee = document.getElementById("assignee").value;
        const dateline = document.getElementById("dateline").value;
        if(title===""){
          alert("the title is missing");
        }else if(assignee===""){
          alert("the assignee is missing")
        }else if(dateline===""){

```

```

        alert("the dateline is missing")
    }else{
        addNewLine(title,assignee,dateline);
    }
})
function displayList(){
    var listContent = "";
    const keys = Object.keys(sessionStorage)
    keys.forEach(key=>{
        if(key !== "IsThisFirstTime_log_From_LiveServer"){
            item = JSON.parse(sessionStorage.getItem(key));
            listContent=listContent+`<div class="item">
                <div>${item.title}</div>
                <div>${item.assignee}</div>
                <div>${item.dateline}</div>
                <button class="bin" onclick="removeItem('${key}')"style="height:15px;width:20px"><svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" strokeWidth=
                    <path strokeLinecap="round" strokeLinejoin="round" 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 19.673a2.25 2.25 0
                </svg>
                </button>
            </div>`
        }
    })
    document.getElementById('items-wrapper').innerHTML=listContent;
}
displayList();
function removeItem(key){
    console.log(key);
    sessionStorage.removeItem(key);
    displayList();
}
}
</script>
</body>
</html>

```




```

.container-menu{
    position: absolute;
    top:50%;
    left:50%;
    transform: translate(-50%,-50%);
    width:600px;
    height:400px;
    background-color: #FFFFFF;
    border:solid black 4px;
    text-align:center
}
.menu{
    width:90%;
    height:70px;
    background-color: #A0BFD6;
    border-radius: 10px;
    margin-left: 30px;
    margin-top:10px;
    display:flex;
    justify-content: space-between;
    align-items: center;
}
.add{
    color:#FFFFFF;
    width:50px;
    height: 27px;
    background-color: #0164B5;
    border-radius: 10px;
}
.input{
    width: 90%;
    border-radius: 10px;
    height: 35px;
}
.item{
    border:solid grey 1px;
    width: 90%;
    height:35px;
    display:flex;
    justify-content: space-between;
    align-items: center;
    border-radius: 10px;
    margin-left: 30px;
    margin-top:10px;
}

```

Output:

TO-do List with SessionStorage

Task title	Assingnee	Dateline	
<input type="text" value="find gift"/>	<input type="text" value="nathan"/>	<input type="text" value="01/29/2023"/> 	<input type="button" value="Add"/>
<input type="text" value="beginning"/>	<input type="text" value="nathan"/>	<input type="text" value="2023-01-01"/>	
<input type="text" value="find gift"/>	<input type="text" value="nathan"/>	<input type="text" value="2023-01-29"/>	

Ex03. Cookie

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="tp3-03.css">
    <script src="https://cdn.tailwindcss.com"></script>
  </head>
  <body style="background-color: #1C3144">
    <div class="container-menu">
      <div class="center bold text-xl">Cookie Management</div>
      <div class="menu">
        <div>
          <div>Key</div>
          <input class="input" id="key" name="key" placeholder=" Key">
        </div>
        <div>
          <div>Value</div>
          <input class="input" id="value" name="value" placeholder=" Value">
        </div>
        <div>
          <div>Expired</div>
          <input class="input" id="dateline" type="date" name="dateline">
        </div>
        <div>
          <button class="add">Add</button>
        </div>
      </div>
      <div class="items" id="items-wrapper">
      </div>
    </div>
    <script>
      //var listItems=[];
      function addNewLine(key,value,dateline){
        //const titleStorage = "line"+key;
        //listItems.push({title:title,assignee:assignee,dateline:dateline});
        const date = new Date(dateline);
        document.cookie= encodeURIComponent(key)+'='+encodeURIComponent(value)+"; path=/; expires="+date
        displayList();
      }
      document.querySelector(".add").addEventListener('click', (e)=>{
        const key = document.getElementById("key").value;
        const value = document.getElementById("value").value;
        const dateline = document.getElementById("dateline").value;
        if(key==""){
          alert("the title is missing");
        }else if(value==""){

```

```

        alert("the assignee is missing")
    }else if(dateline===""){
        alert("the dateline is missing")
    }else{
        addNewLine(key,value,dateline);
    }
})
function displayList(){
    var listContent = "";
    if(document.cookie!==""){
        const items= document.cookie.split('; ');
        console.log(items)
        items.forEach(item=>{
            const key = item.split('=')[0];
            const value = item.split('=')[1];
            listContent=listContent+'<div class="item">
            <div>${key}</div>
            <div>${value}</div>
            <button class="bin" onclick="removeItem('${key}')" style="height:20px;width:110px;display:flex;border:solid black 1px;border-radius:10px;background-color:#EB9486"><di
            <path strokeLinecap="round" strokeLinejoin="round" d="M14.74 9l-.346 9m-4.788 0l9.26 9m9.968-3.21c.342.342.682.107 1.022-.165l18.16 19.673a2.25 2.25 0
            </svg>
            </button>
            </div>'
        })
    }
    document.getElementById('items-wrapper').innerHTML=listContent;
}
displayList();
function removeItem(key){
    document.cookie=encodeURIComponent(key)+"=expired ; path=/; expires=Mon, 9 Jan 2023 00:00:00 GMT"
    displayList();
}
</script>
</body>
</html>

```

```

.container-menu{
    position: absolute;
    top:50%;
    left:50%;
    transform: translate(-50%,-50%);
    width:600px;
    height:400px;
    background-color: #FFFFFF;
    border:solid black 4px;
    text-align:center
}
.menu{
    width:90%;
    height:70px;
    background-color:#A0BFD6;
    border-radius: 10px;
    margin-left: 30px;
    margin-top:10px;
    display:flex;
    justify-content: space-between;
    align-items: center;
}
.add{
    color:#FFFFFF;
    width:50px;
    height: 27px;
    background-color:#0164B5;
    border-radius: 10px;
}
.input{
    width: 90%;
    border-radius: 10px;
    height: 35px;
}
.item{
    border:solid grey 1px;
    width: 90%;
    height:35px;
    display:flex;
    justify-content: space-between;
    align-items: center;
    border-radius: 10px;
    margin-left: 30px;
    margin-top:10px;
}

```


Output:

Cookie Management

Key

Value

Expired

Add

Key

Value

mm/dd/yyyy

user1

nathan

Set expired

Ex04. Book shop CRUD with Local storage

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="tp3-04.css">
  </head>
  <body>
    <div id="div-wrapper" class="div-wrapper">
      <div class="form-wrapper">
        <div>Name:</div>
        <input id="name" placeholder="c programming">
        <div>Category:</div>
        <input id="category" placeholder="coding">
        <div>Price:</div>
        <input id="price" placeholder="1.000 riels">
        <div><button class="add">Add</button>
      </div>
    </div>
    <div class="list-wrapper" id="list-wrapper">
      <!--<div class="changeInput" id="changeInput">
        <div>New name: </div>
        <input id="input" placeholder=" name">
        <button onclick="changeOK()">OK!</button>
      </div-->
    </div>
  </div>
  <script>
    document.querySelector('.add').addEventListener('click', (e) => {
      const name= document.getElementById('name').value;
      const category= document.getElementById('category').value;
      const price= document.getElementById('price').value;
      if(name===""){
        alert("the name is missing");
      }else if(category===""){
        alert("the category is missing")
      }else if(price===""){
        alert("the price is missing")
      }else{
        addItem(name,category,price);
      }
    });
    //var listItems=[];
    function addItem(name,category,price){
      //listItems.push({name:name,category:category,price:price});
      const titleStorage = "line"+encodeURIComponent(name);
      localStorage.setItem(titleStorage,JSON.stringify({name:name,category:category,price:price}));
    }
  </script>
</body>
</html>
```

```

    displayItems();
}
function displayItems(){
    var listContent="";
    const keys = Object.keys(localStorage)
    keys.forEach(key=>{
        item = JSON.parse(localStorage.getItem(key));
        console.log(item)
        const name = encodeURIComponent(item.name);
        listContent=listContent+'<div class="item">
        <div class="button-wrapper">
            <button onClick=deleteClick('${key}')>Delete</button>
            <button onClick=changeName('${key}')>Change name</button>
        </div>
        <div>
            <svg style="height:100px;padding:30px" xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" strokeWidth={1.5} stroke="#595457" className="w-6 h-6">
                <path strokeLinecap="round" strokeLinejoin="round" d="M12 6.042A8.967 8.967 0 06 3.75c-1.052 0-2.062.18-3 .512v14.25A8.987 8.987 0 016 18c2.305 0 4.408.867
            </svg>
        </div>
        <div>Name: ${item.name}</div>
        <div>Price: ${item.price}</div>
        <div>Category:${item.category}</div>
    </div>';
    });
    document.getElementById('list-wrapper').innerHTML=listContent;
}
displayItems(); // You, 12 hours ago • internet programming OK ...
function deleteClick(key){
    console.log(key);
    localStorage.removeItem(key);
    displayItems();
}
function changeName(key){
    const newDiv = document.createElement("div");
    newDiv.classList.add("changeInput");
    const divText = document.createElement("div");
    const newContent = document.createTextNode("New name: ");
    divText.appendChild(newContent);
    const inputChange = document.createElement("input");
    const button = document.createElement("button");
    const buttonText = document.createTextNode("OK!");
    button.appendChild(buttonText);
    button.addEventListener('click', (e)=>{
        if(inputChange.value===""){
            alert("the new name is empty!")
        }
    });
}

```

```

        }else{
            const item = JSON.parse(localStorage.getItem(key));
            localStorage.setItem(key,JSON.stringify({name:inputChange.value,category:item.category,price:item.price}))
            newDiv.remove();
            displayItems();

            /*listItems.forEach(elt=>{
                if(encodeURIComponent(elt.name)===name){
                    elt.name = encodeURIComponent(inputChange.value);
                    newDiv.remove();
                    displayItems();
                }
            });*/
        }
    });

    newDiv.appendChild(divText);
    newDiv.appendChild(inputChange);
    newDiv.appendChild(button);

    const currentDiv = document.getElementById('list-wrapper');
    document.getElementById("div-wrapper").insertBefore(newDiv,currentDiv);
    //document.getElementById('changeInput').display="block";
}
/*function changeOk(){
    console.log(document.getElementById('changeInput').value);
}*/
</script>
</body>
</html>

```

```

.container-menu{
  position: absolute;
  top:50%;
  left:50%;
  transform: translate(-50%,-50%);
  width:600px;
  height:400px;
  background-color: #FFFFFF;
  border:solid black 4px;
  text-align:center
}
.menu{
  width:90%;
  height:70px;
  background-color: #A0BFD6;
  border-radius: 10px;
  margin-left: 30px;
  margin-top:10px;
  display:flex;
  justify-content: space-between;
  align-items: center;
}
.add{
  color:#FFFFFF;
  width:50px;
  height: 27px;
  background-color: #0164B5;
  border-radius: 10px;
}
.input{
  width: 90%;
  border-radius: 10px;
  height: 35px;
}
.item{
  border:solid grey 1px;
  width: 90%;
  height:35px;
  display:flex;
  justify-content: space-between;
  align-items: center;
  border-radius: 10px;
  margin-left: 30px;
  margin-top:10px;
}

```

Output:


Name:
shoe

Category:
clothes


Price:
5000

Add

Delete
Change name



Name: c
Price: 1000
Category:code



Name: shoe
Price: 5000
Category:clothes

Ex05. Login Form with Cookie

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="tp3-05.css">
    <script src="https://cdn.tailwindcss.com"></script>
  </head>
  <body style="background-color: #1C3144">
    <div id="loginPage" class="container-menu">
      <div>Given login info</div>
      <div>Email: test@gmail.com</div>
      <div>Pwd: Gic123</div>
      <div class="loginForm">
        <div style="margin-left:50px"><svg style="height:100px"xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24" fill="currentColor" className="w-6 h-6">
          <path fillRule="evenodd" d="M7.5 6a4.5 4.5 0 119 0 4.5 4.5 0 1-9 0zM3.75 20.105a8.25 8.25 0 016.498 0 .75.75 0 01-.437.695A18.683 18.683 0 012 22.5c-2.786 0-5.475
          </path>
        </svg>
        <div class="bold">Email</div>
        <input id="email" class="input" placeholder="Enter email">
        <div class="bold">Password</div>
        <input id="password" class="input" placeholder="Enter Password">
        <button class="button" onclick="loginClick()">Login</button>
      </div>
    </div>
    <div style="display: none" id="mainPage" class="container-menu">
      <div class="text-xl">Welcome to Home Page</div>
      <div>You will be automatically logged out after 30 seconds</div>
      <div>Keep refreshing your page</div>
      <button class="logout" onclick="logOut()">Logout</button>
    </div>
    <script>
      function loginClick(){
        const email = document.getElementById("email").value;
        const password = document.getElementById("password").value;
        if((email==="test@gmail.com")&&(password==="Gic123")){
          if(!checkCookie(email)){
            setCookie(email);
          }
          loadMainPage();
        }else{
          alert("wrong email or password!")
        }
      }
      function loadMainPage(){
        document.getElementById("loginPage").style.display="none";
        document.getElementById("mainPage").style.display="block";
      }
    </script>
  </body>
</html>
```

```

}
function checkCookie(email){
    const cookies = document.cookie.split(";");
    cookies.forEach(c=>{
        if(c===email){
            return true;
        }
    });
    return false;
}
function setCookie(email){
    console.log(email)
    const d = new Date();
    d.setTime(d.getTime() + (30*1000));
    document.cookie = email+' ; path=/; expires='+d.toUTCString();
}
function logOut(){
    forcedExpiration();
    loadLoginPage();
}
function loadLoginPage(){
    document.getElementById("mainPage").style.display="none";
    document.getElementById("loginPage").style.display="block";
}
function forcedExpiration(){
    const d = new Date();
    d.setTime(d.getTime() - (30*1000));
    document.cookie = 'test@gmail.com ; path=/; expires='+d.toUTCString();
}
(function loop(){
    if(document.cookie===""){
        loadLoginPage();
    }else{
        loadMainPage();
    }
    setTimeout(loop,1000/30);
})();

```

</script>

</body>

</html>

You, 12 hours ago • internet programming 0

```
.container-menu{
  position: absolute;
  top:50%;
  left:50%;
  transform: translate(-50%,-50%);
  width:600px;
  height:450px;
  background-color: #FFFFFF;
  border:solid black 4px;
}
.menu{
  width:90%;
  height:70px;
  background-color:#A0BFD6;
  border-radius: 10px;
  margin-left: 30px;
  margin-top:10px;
  display:flex;
  justify-content: space-between;
  align-items: center;
}
.add{
  color:#FFFFFF;
  width:50px;
  height: 27px;
  background-color:#0164B5;
  border-radius: 10px;
}
.input{
  width: 90%;
  border-radius: 10px;
  height: 35px;
}
.item{
  border:solid grey 1px;
  width: 90%;
  height:35px;
  display:flex;
  justify-content: space-between;
  align-items: center;
  border-radius: 10px;
  margin-left: 30px;
  margin-top:10px;
}
```

```

.loginForm{
  width: 200px;
  height:350px;
  border:solid black 1px;
  margin-left: 200px;
}
.input{
  border: solid black 1px;
}
.button{
  border: solid black 1px;
  width:200px;
  margin-top: 10px;
  background-color: #66A182;
  color: #FFFFFF;
}
.logout{
  width: 100px;
  border:solid black 1px;
  background-color: #646165;
  color: #FFFFFF;
}


```

Output:

Given login info

Email: test@gmail.com

Pwd: Gic123



Email

Password

Login

Welcome to Home Page

You will be automatically logged out after 30 seconds

Keep refreshing your page

Logout