#### **Array.prototype.forEach()**

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_Objects/Array/forEach

The forEach() method executes a provided function once for each array element.

const array1 = ['a', 'b', 'c'];

array1.forEach(element => console.log(element));

// expected output: "a"

// expected output: "b"

// expected output: "c"

<!DOCTYPE html>

<html>

<head>

<title>JavaScript List Project</title>

<style>

.box {

padding: 10px;

width: 300px;

margin: 5px 0;

border: 1px solid #ddd;

}

.box span {

width: 20px;

height: 20px;

border: 1px solid red;

padding: 2px;

border-radius: 10px;

color: red;

margin-left: 20px;

}

.box span:hover {

cursor: pointer;

background-color: cornsilk;

color: black;

}

.confirmed {

color: green;

}

.notConfirmed {

color: red;

}

</style>

</head>

<body>

<h1>JavaScript</h1>

<div class="output"></div>

<script src="app4.js"></script>

</body>

</html>

const output = document.querySelector('.output');

const btn1 = document.createElement('button');

btn1.textContent = 'Reload JSON';

btn1.addEventListener('click', reloader);

const input1 = document.createElement('input');

const input2 = document.createElement('input');

const btn2 = document.createElement('button');

const div1 = document.createElement('div');

div1.append(input1);

div1.append(input2);

div1.append(btn2);

btn2.textContent = 'Add to List';

input1.setAttribute('placeholder', 'Name');

input2.setAttribute('type', 'number');

input2.value = '1';

document.body.append(div1);

document.body.append(btn1);

btn2.addEventListener('click', addToList);

console.log(output);

const url = 'list.json';

let myList = [];

let localData = localStorage.getItem('myList');

console.log(localData);

window.addEventListener('DOMContentLoaded', () => {

output.textContent = 'Loading......';

if (localData) {

myList = JSON.parse(localStorage.getItem('myList'));

console.log(myList);

maker();

} else {

reloader();

}

});

function addToList() {

console.log(input1.value);

console.log(input2.value);

if (input1.value.length > 3) {

const myObj = {

"name": input1.value,

"guests": input2.value,

"status": false

}

const val = myList.length;

myList.push(myObj);

savetoStorage();

makeList(myObj, val);

}

input1.value = '';

}

function reloader() {

fetch(url).then(rep => rep.json())

.then((data) => {

myList = data;

maker();

savetoStorage();

})

}

function maker() {

output.innerHTML = '';

myList.forEach((el, index) => {

makeList(el, index);

});

}

function makeList(item, index) {

const div = document.createElement('div');

div.classList.add('box');

div.innerHTML = `${item.name} #(${item.guests})`;

output.append(div);

if (item.status) {

div.classList.add('confirmed');

} else {

div.classList.add('notConfirmed')

}

div.addEventListener('click', (e) => {

div.classList.toggle('confirmed');

div.classList.toggle('notConfirmed');

console.log(div.classList.contains('confirmed'));

if (div.classList.contains('confirmed')) {

myList[index].status = true;

} else {

myList[index].status = false;

}

savetoStorage();

})

const span = document.createElement('span');

span.textContent = 'X';

div.append(span);

span.addEventListener('click', (e) => {

console.log(index);

e.stopPropagation();

div.remove();

myList.splice(index, 1);

savetoStorage();

})

}

function savetoStorage() {

console.log(myList);

localStorage.setItem('myList', JSON.stringify(myList));

}

[

{

"name": "John",

"guests": 5,

"status": false

},

{

"name": "Steve",

"guests": 2,

"status": false

},

{

"name": "Mary",

"guests": 1,

"status": true

},

{

"name": "Mike",

"guests": 1,

"status": true

},

{

"name": "Jenny",

"guests": 5,

"status": true

}

]