**4th project**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link rel="stylesheet" href="styles.css">

<title>To-Do List App</title>

</head>

<body>

<div class="container">

<h1>To-Do List</h1>

<div class="add-task">

<input type="text" id="newTask" placeholder="Add a new task...">

<button onclick="addTask()">Add</button>

</div>

<ul id="taskList">

<!-- Tasks will be dynamically added here -->

</ul>

</div>

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

</body>

</html>

body {

font-family: 'Arial', sans-serif;

margin: 0;

padding: 0;

background-color: #f8f8f8;

}

.container {

max-width: 600px;

margin: 50px auto;

background-color: #fff;

padding: 20px;

border-radius: 8px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

h1 {

text-align: center;

color: #333;

}

.add-task {

display: flex;

margin-bottom: 20px;

}

input {

flex: 1;

padding: 10px;

}

button {

background-color: #4caf50;

color: #fff;

border: none;

padding: 10px;

cursor: pointer;

}

ul {

list-style: none;

padding: 0;

}

li {

display: flex;

justify-content: space-between;

align-items: center;

border-bottom: 1px solid #eee;

padding: 10px;

}

.completed {

text-decoration: line-through;

color: #888;

}

.delete-btn {

background-color: #ff3333;

color: #fff;

border: none;

padding: 5px;

cursor: pointer;

}

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

// Check local storage for saved tasks

const savedTasks = JSON.parse(localStorage.getItem('tasks')) || [];

savedTasks.forEach(task => addTask(task));

// Add event listener to the input field for pressing Enter key

document.getElementById('newTask').addEventListener('keypress', (event) => {

if (event.key === 'Enter') {

addTask();

}

});

});

function addTask(taskText) {

const taskInput = document.getElementById('newTask');

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

const task = document.createElement('li');

task.innerHTML = `

<span>${taskText || taskInput.value}</span>

<div>

<button onclick="toggleTask(this)">Done</button>

<button onclick="deleteTask(this)" class="delete-btn">Delete</button>

</div>

`;

taskList.appendChild(task);

// Clear input field after adding a task

taskInput.value = '';

// Save tasks to local storage

saveTasksToLocalStorage();

}

function toggleTask(button) {

const taskText = button.parentElement.previousElementSibling;

taskText.classList.toggle('completed');

// Save tasks to local storage

saveTasksToLocalStorage();

}

function deleteTask(button) {

const task = button.parentElement.parentElement;

task.remove();

// Save tasks to local storage

saveTasksToLocalStorage();

}

function saveTasksToLocalStorage() {

const tasks = document.querySelectorAll('li span');

const tasksArray = Array.from(tasks).map(task => ({

text: task.textContent,

completed: task.classList.contains('completed'),

}));

localStorage.setItem('tasks', JSON.stringify(tasksArray));

}