<!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</title>

</head>

<body>

<div class="container">

<h1>To-Do List</h1>

<ul id="taskList"></ul>

<div>

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

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

</div>

</div>

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

</body>

</html>

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

background-color: #f4f4f4;

}

.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;

}

ul {

list-style-type: none;

padding: 0;

}

li {

display: flex;

justify-content: space-between;

align-items: center;

border-bottom: 1px solid #ddd;

padding: 8px;

}

.completed {

text-decoration: line-through;

color: #999;

}

input[type="text"] {

width: 70%;

padding: 8px;

}

button {

padding: 8px;

cursor: pointer;

}

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

// Load tasks from local storage

const storedTasks = JSON.parse(localStorage.getItem("tasks")) || [];

renderTasks(storedTasks);

// Add task function

window.addTask = function () {

const newTaskInput = document.getElementById("newTask");

const taskText = newTaskInput.value.trim();

if (taskText !== "") {

const task = { text: taskText, completed: false };

storedTasks.push(task);

saveTasks(storedTasks);

renderTasks(storedTasks);

newTaskInput.value = "";

}

};

// Render tasks function

function renderTasks(tasks) {

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

taskList.innerHTML = "";

tasks.forEach((task, index) => {

const listItem = document.createElement("li");

listItem.innerHTML = `

<span class="${task.completed ? 'completed' : ''}">${task.text}</span>

<button onclick="editTask(${index})">Edit</button>

<button onclick="deleteTask(${index})">Delete</button>

<input type="checkbox" ${task.completed ? 'checked' : ''} onchange="toggleCompletion(${index})">

`;

taskList.appendChild(listItem);

});

}

// Edit task function

window.editTask = function (index) {

const newText = prompt("Edit task:", storedTasks[index].text);

if (newText !== null) {

storedTasks[index].text = newText.trim();

saveTasks(storedTasks);

renderTasks(storedTasks);

}

};

// Delete task function

window.deleteTask = function (index) {

storedTasks.splice(index, 1);

saveTasks(storedTasks);

renderTasks(storedTasks);

};

// Toggle completion function

window.toggleCompletion = function (index) {

storedTasks[index].completed = !storedTasks[index].completed;

saveTasks(storedTasks);

renderTasks(storedTasks);

};

// Save tasks to local storage

function saveTasks(tasks) {

localStorage.setItem("tasks", JSON.stringify(tasks));

}

});