**todo.js**

document.addEventListener("DOMContentLoaded", function() {

let todoForm = document.getElementById("newTodoForm");

let todoList = document.getElementById("todoList");

todoForm.addEventListener("submit", function(event) {

event.preventDefault();

let removeButton = document.createElement("button");

removeButton.innerText = "X";

let newTodo = document.createElement("li");

newTodo.innerText = document.getElementById("task").value;

todoList.appendChild(newTodo);

newTodo.appendChild(removeButton);

todoForm.reset();

});

todoList.addEventListener("click", function(event) {

const targetTagToLowerCase = event.target.tagName.toLowerCase();

if (targetTagToLowerCase === "li") {

event.target.style.textDecoration = "line-through";

} else if (targetTagToLowerCase === "button") {

event.target.parentNode.remove();

}

});

});

**Todo-localStorage.js**

const todoForm = document.getElementById("newTodoForm");

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

// retrieve from localStorage

const savedTodos = JSON.parse(localStorage.getItem("todos")) || [];

for (let i = 0; i < savedTodos.length; i++) {

let newTodo = document.createElement("li");

newTodo.innerText = savedTodos[i].task;

newTodo.isCompleted = savedTodos[i].isCompleted ? true : false;

if (newTodo.isCompleted) {

newTodo.style.textDecoration = "line-through";

}

todoList.appendChild(newTodo);

}

todoForm.addEventListener("submit", function(event) {

event.preventDefault();

let newTodo = document.createElement("li");

let taskValue = document.getElementById("task").value;

newTodo.innerText = taskValue;

newTodo.isCompleted = false;

todoForm.reset();

todoList.appendChild(newTodo);

// save to localStorage

savedTodos.push({ task: newTodo.innerText, isCompleted: false });

localStorage.setItem("todos", JSON.stringify(savedTodos));

});

todoList.addEventListener("click", function(event) {

let clickedListItem = event.target;

if (!clickedListItem.isCompleted) {

clickedListItem.style.textDecoration = "line-through";

clickedListItem.isCompleted = true;

} else {

clickedListItem.style.textDecoration = "none";

clickedListItem.isCompleted = false;

}

// breaks for duplicates - another option is to have dynamic IDs

for (let i = 0; i < savedTodos.length; i++) {

if (savedTodos[i].task === clickedListItem.innerText) {

savedTodos[i].isCompleted = !savedTodos[i].isCompleted;

localStorage.setItem("todos", JSON.stringify(savedTodos));

}

}

});