To-Do List HTML Project

This is a complete To-Do List application using only HTML, CSS, and JavaScript in a single file. The todos are stored in the browser's Local Storage and are retained even after page refresh.

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <title>To-Do List</title>  
 <style>  
 body {  
 font-family: Arial, sans-serif;  
 background: linear-gradient(to right, #c94b4b, #4b134f);  
 color: white;  
 text-align: center;  
 margin: 0;  
 padding: 30px;  
 }  
  
 h1 {  
 margin-bottom: 20px;  
 }  
  
 .todo-container {  
 margin-top: 20px;  
 }  
  
 #todo-input {  
 padding: 10px;  
 font-size: 16px;  
 width: 200px;  
 border-radius: 5px;  
 border: none;  
 }  
  
 #add-btn {  
 padding: 10px;  
 font-size: 18px;  
 cursor: pointer;  
 border-radius: 5px;  
 background-color: white;  
 }  
  
 ul {  
 list-style: none;  
 padding: 0;  
 margin-top: 20px;  
 }  
  
 li {  
 background: white;  
 color: black;  
 margin: 5px auto;  
 padding: 10px;  
 width: 300px;  
 display: flex;  
 justify-content: space-between;  
 border-radius: 5px;  
 }  
  
 li.completed {  
 text-decoration: line-through;  
 background-color: #b0e57c;  
 }  
  
 button {  
 border: none;  
 cursor: pointer;  
 font-size: 16px;  
 }  
  
 .complete-btn {  
 background-color: green;  
 color: white;  
 margin-right: 5px;  
 padding: 5px;  
 }  
  
 .delete-btn {  
 background-color: red;  
 color: white;  
 padding: 5px;  
 }  
 </style>  
</head>  
<body>  
 <h1>To-Do-List</h1>  
 <div class="todo-container">  
 <input type="text" id="todo-input" placeholder="Enter The Work">  
 <button id="add-btn">➕</button>  
 <ul id="todo-list"></ul>  
 </div>  
  
 <script>  
 const input = document.getElementById("todo-input");  
 const addBtn = document.getElementById("add-btn");  
 const todoList = document.getElementById("todo-list");  
  
 // Load todos from localStorage  
 document.addEventListener("DOMContentLoaded", loadTodos);  
  
 addBtn.addEventListener("click", () => {  
 if (input.value.trim() !== "") {  
 addTodo(input.value);  
 saveTodo(input.value);  
 input.value = "";  
 }  
 });  
  
 function addTodo(text, completed = false) {  
 const li = document.createElement("li");  
 if (completed) li.classList.add("completed");  
  
 li.innerHTML = `  
 ${text}  
 <span>  
 <button class="complete-btn">✔</button>  
 <button class="delete-btn">🗑</button>  
 </span>  
 `;  
  
 todoList.appendChild(li);  
  
 // Complete btn  
 li.querySelector(".complete-btn").addEventListener("click", () => {  
 li.classList.toggle("completed");  
 updateStorage();  
 });  
  
 // Delete btn  
 li.querySelector(".delete-btn").addEventListener("click", () => {  
 li.remove();  
 updateStorage();  
 });  
 }  
  
 // Save to localStorage  
 function saveTodo(text) {  
 const todos = JSON.parse(localStorage.getItem("todos")) || [];  
 todos.push({ text: text, completed: false });  
 localStorage.setItem("todos", JSON.stringify(todos));  
 }  
  
 // Load todos  
 function loadTodos() {  
 const todos = JSON.parse(localStorage.getItem("todos")) || [];  
 todos.forEach(todo => addTodo(todo.text, todo.completed));  
 }  
  
 // Update localStorage  
 function updateStorage() {  
 const todos = [];  
 document.querySelectorAll("#todo-list li").forEach(li => {  
 todos.push({  
 text: li.firstChild.textContent.trim(),  
 completed: li.classList.contains("completed")  
 });  
 });  
 localStorage.setItem("todos", JSON.stringify(todos));  
 }  
 </script>  
</body>  
</html>