

**NATIONAL UNIVERSITY OF MODERN LANGUAGES,  
ISLAMABAD**



**Web Engineering - Lab**

**Assignment # 2**

**Submitted By**

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**Submitted To**

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**Code**

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>To-Do List</title>

  <style>

    body {

      font-family: Arial, sans-serif;

      background-color: #f4f4f4;

      margin: 0;

      display: flex;

      align-items: center;

      justify-content: center;

      height: 100vh;

    }

    #todo-container {

      width: 300px;

      background-color: #fff;

      border-radius: 8px;

      padding: 20px;

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

    }

    input[type="text"] {

      width: 100%;

      padding: 8px;

      margin-bottom: 10px;

      box-sizing: border-box;
```

```
}
```

```
button {  
    background-color: #4caf50;  
    color: white;  
    padding: 8px 16px;  
    border: none;  
    border-radius: 4px;  
    cursor: pointer;  
}
```

```
button:hover {  
    background-color: #45a049;  
}
```

```
ul {  
    list-style-type: none;  
    padding: 0;  
}
```

```
li {  
    margin-bottom: 8px;  
}
```

```
label {  
    display: flex;  
    align-items: center;  
}
```

```
input[type="checkbox"] {  
    margin-right: 8px;
```

```
    }  
  </style>  
</head>  
<body>  
  
<div id="todo-container">  
  <h2>To-Do List</h2>  
  <input type="text" id="taskInput" placeholder="Enter a new task">  
  <button onclick="addTask()">Add</button>  
  <ul id="taskList"></ul>  
</div>  
  
<script>  
  function addTask() {  
    var taskInput = document.getElementById("taskInput");  
    var taskList = document.getElementById("taskList");  
  
    var taskText = taskInput.value.trim();  
  
    if (taskText === "") {  
      alert("Please enter a task");  
      return;  
    }  
  
    var listItem = document.createElement("li");  
    var checkbox = document.createElement("input");  
    checkbox.type = "checkbox";  
    checkbox.addEventListener("change", function () {  
      updateTaskStatus(listItem, checkbox);  
    });  
  }  
</script>
```

```
var label = document.createElement("label");
label.appendChild(checkbox);
label.appendChild(document.createTextNode(taskText));

var deleteButton = document.createElement("button");
deleteButton.innerHTML = "Delete";
deleteButton.addEventListener("click", function () {
    removeTask(listItem);
});

listItem.appendChild(label);
listItem.appendChild(deleteButton);
taskList.appendChild(listItem);

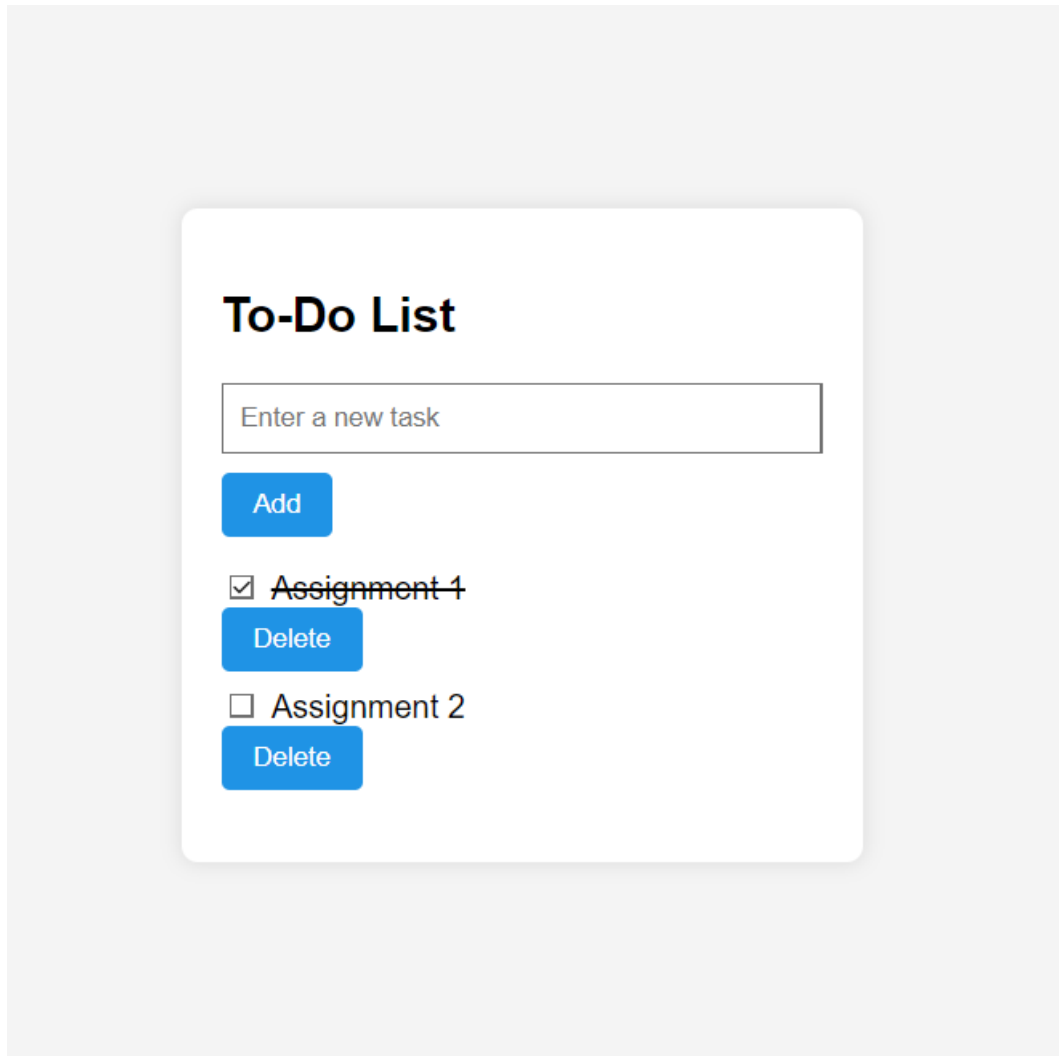
taskInput.value = "";
}

function updateTaskStatus(listItem, checkbox) {
    if (checkbox.checked) {
        listItem.style.textDecoration = "line-through";
    } else {
        listItem.style.textDecoration = "none";
    }
}

function removeTask(listItem) {
    var taskList = document.getElementById("taskList");
    taskList.removeChild(listItem);
}
</script>
```

```
</body>
```

```
</html>
```

**Output**

The screenshot displays a web application titled "To-Do List". It features a light gray background with a central white card. At the top of the card is the title "To-Do List" in bold black text. Below the title is a text input field with the placeholder "Enter a new task". Underneath the input field is a blue "Add" button. The list of tasks consists of two items: "Assignment 1" and "Assignment 2". Each item is preceded by a checkbox. The checkbox for "Assignment 1" is checked, and the text "Assignment 1" is crossed out with a diagonal line. Below "Assignment 1" is a blue "Delete" button. The checkbox for "Assignment 2" is unchecked, and below it is another blue "Delete" button.