NATIONAL UNIVERSITY OF MODERN LANGUAGES, ISLAMABAD

Web Engineering - Lab

Assignment # 2

Submitted By

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Submitted To

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<mark>**Code**</mark>

```html
<!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;
```

```css
        }


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);

        });
```

```
    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>
```
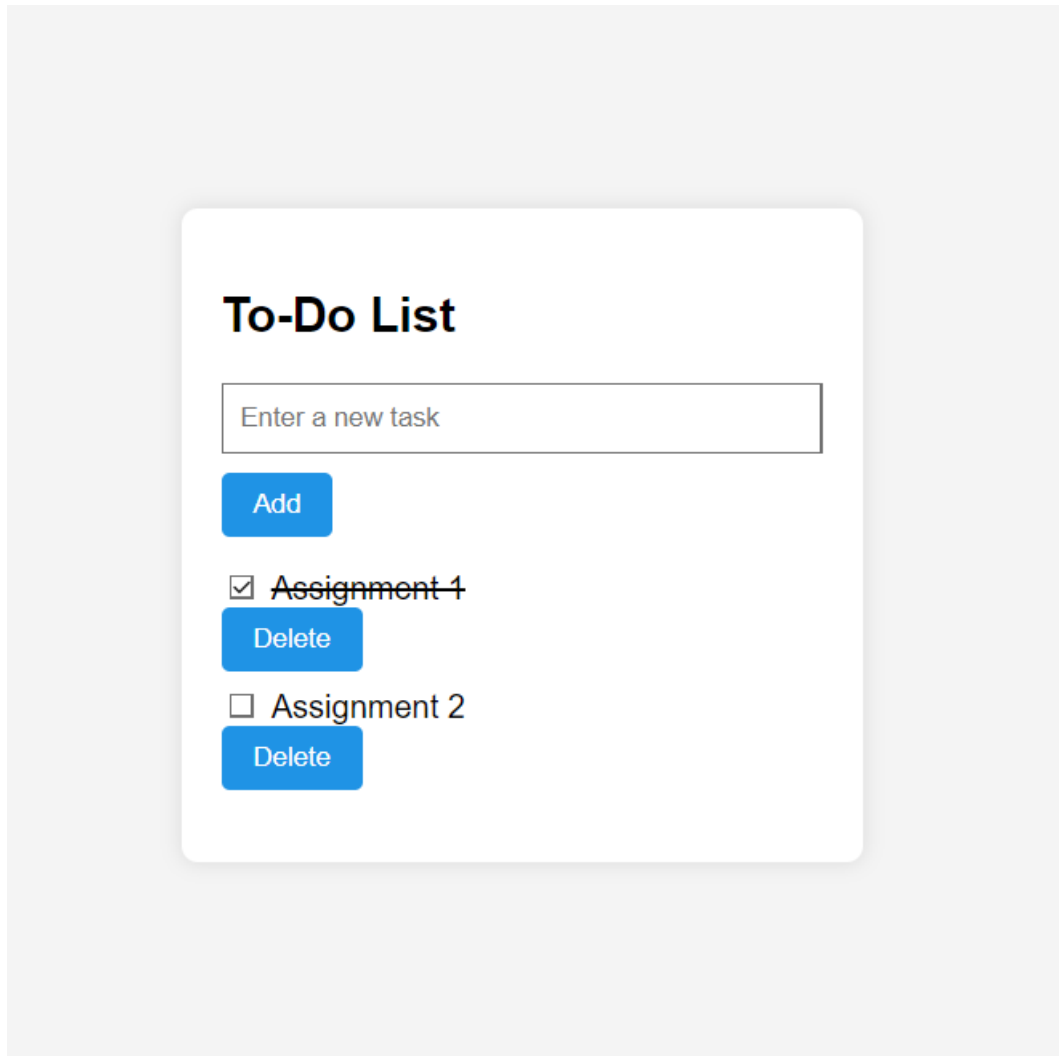
```
</body>
</html>
```

Output