

Experiment 5

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Experiment 5 - To Do List</title>
</head>
<body>

    <h2>My To-Do List</h2>

    <!-- Input field and button for task entry -->
    <input type="text" id="taskInput" placeholder="Enter a task">
    <button id="addBtn">Add Task</button>

    <!-- List to display tasks -->
    <ul id="taskList"></ul>

    <!-- Link external JavaScript file -->
    <script src="script.js"></script>

</body>
</html>
```

```
let addButton = document.getElementById("addBtn");
let taskInput = document.getElementById("taskInput");
let taskList = document.getElementById("taskList");

addButton.addEventListener("click", addTask);

function addTask() {
    let taskText = taskInput.value;

    if (taskText === "") {
        alert("Please enter a task");
        return;
    }

    let li = document.createElement("li");
    li.innerText = taskText;

    let deleteBtn = document.createElement("button");
    deleteBtn.innerText = "Remove";

    deleteBtn.addEventListener("click", function () {
        taskList.removeChild(li);
    });

    li.appendChild(deleteBtn);

    taskList.appendChild(li);

    taskInput.value = "";
}
```

Output:

The image displays four sequential screenshots of a web-based 'My To-Do List' application, showing the state of the task input field over time.

- Screenshot 1:** The task input field contains the placeholder text "Enter a task".
- Screenshot 2:** The task input field now contains the text "do this".
- Screenshot 3:** The task input field still contains "do this". Below it, a list item "• do this" is shown with a "Remove" button next to it.
- Screenshot 4:** The task input field is empty again.

The browser title bar consistently shows "Experiment 5 - To Do List" and the file path "C:/Users/reuel/Desktop/index.html".