# EXPERIMENT-5

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#Code :

#HTML

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <title>Dynamic To-Do List</title>

  <link rel="stylesheet" href="style1.css">

</head>

<body>


<div class="container">

  <h2> 📝 To-Do List</h2>


  <div class="input-group">

    <input type="text" id="taskInput" placeholder="Enter a task">

    <button id="addBtn">Add</button>

  </div>
```

```html
    <ul id="taskList"></ul>

    <button id="clearAll">Clear All</button>
</div>

<script>
    const taskInput = document.getElementById("taskInput");
    const addBtn = document.getElementById("addBtn");
    const taskList = document.getElementById("taskList");
    const clearAllBtn = document.getElementById("clearAll");

    document.addEventListener("DOMContentLoaded", loadTasks);
    addBtn.addEventListener("click", addTask);
    clearAllBtn.addEventListener("click", clearAllTasks);

    function addTask() {
        const taskText = taskInput.value.trim();

        if (taskText === "") {
            alert("Please enter a task!");
```

```javascript
        return;
    }

    createTaskElement(taskText);
    saveTask(taskText);
    taskInput.value = "";
}

function createTaskElement(taskText) {
    const li = document.createElement("li");
    li.textContent = taskText;

    const deleteBtn = document.createElement("button");
    deleteBtn.textContent = "Delete";
    deleteBtn.classList.add("delete");

    deleteBtn.addEventListener("click", function () {
        li.remove();
        removeTask(taskText);
    });
```

```
      li.appendChild(deleteBtn);

      taskList.appendChild(li);

    }


    function saveTask(task) {

      let tasks = JSON.parse(localStorage.getItem("tasks")) || [];

      tasks.push(task);

      localStorage.setItem("tasks", JSON.stringify(tasks));

    }


    function loadTasks() {

      let tasks = JSON.parse(localS);

    }
</script>

</body>
</html>
```

```css
#CSS

body {
    box-sizing: border-box;
    font-family: Arial, sans-serif;
}


body {
    background: linear-gradient(135deg, #667eea, #764ba2);
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
}


.container {
    background: white;
    padding: 25px;
    width: 350px;
    border-radius: 10px;
    box-shadow: 0 10px 25px rgba(0,0,0,0.2);
}
```

```css
h2 {
  text-align: center;
  margin-bottom: 20px;
}

.input-group {
  display: flex;
}

input {
  flex: 1;
  padding: 10px;
  border: 2px solid #ddd;
  border-radius: 5px 0 0 5px;
  outline: none;
}

button {
  padding: 10px 15px;
  border: none;
```

```css
    cursor: pointer;

}


#addBtn {

    background: #667eea;

    color: white;

    border-radius: 0 5px 5px 0;

}


#addBtn:hover {

    background: #5a67d8;

}


ul {

    list-style: none;

    padding: 0;

    margin-top: 20px;

}


li {

    background: #f4f4f4;
```

```css
    padding: 10px;

    margin-bottom: 10px;

    display: flex;

    justify-content: space-between;

    align-items: center;

    border-radius: 5px;
}


.delete {

    background: #e53e3e;

    color: white;

    padding: 5px 8px;

    border-radius: 5px;

    font-size: 12px;
}


.delete:hover {

    background: #c53030;
}


#clearAll {
```

```css
    width: 100%;

    margin-top: 10px;

    background: #2d3748;

    color: white;

    border-radius: 5px;

}


#clearAll:hover {

    background: #1a202c;

}
```