

## WEEK3

### Miniproject:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Task Manager</title>

</head>

<script>

document.addEventListener('DOMContentLoaded', async () =>

{

await loadTasks();

document.getElementById('addTask').addEventListener('click',
addTaskToList);

document.getElementById('taskList').addEventListener('click',
handleTaskClick);

});

async function loadTasks()

{

let tasks = await getTasksFromStorage();

tasks.forEach(task => displayTask(task));

}

function displayTask(task)
```

```
{  
  
let li = document.createElement('li');  
  
li.textContent = task;  
  
li.setAttribute('data-task', task);  
  
let deleteBtn = document.createElement('button');  
  
deleteBtn.textContent = 'Delete';  
  
deleteBtn.classList.add('delete');  
  
li.appendChild(deleteBtn);  
  
  
document.getElementById('taskList').appendChild(li);  
  
}  
  
function handleTaskClick(e)  
  
{  
  
if (e.target.classList.contains('delete'))  
  
{  
  
let task = e.target.parentElement.getAttribute('data-task');  
  
deleteTask(task);  
  
e.target.parentElement.remove();  
  
}  
  
}  
  
async function addTaskToList()  
  
{  
  
let task = document.getElementById('taskInput').value.trim();  
  
if (task)  
  
{
```

```
    await saveTaskToStorage(task);

    displayTask(task);

    document.getElementById('taskInput').value = '';
  }
}

async function getTasksFromStorage()
{
  let tasks = localStorage.getItem('tasks');
  return tasks ? JSON.parse(tasks) : [];
}

async function saveTaskToStorage(task)
{
  let tasks = await getTasksFromStorage();
  tasks.push(task);
  localStorage.setItem('tasks', JSON.stringify(tasks));
}

async function deleteTask(taskToDelete)
{
  let tasks = await getTasksFromStorage();
  tasks = tasks.filter(task => task !== taskToDelete);
  localStorage.setItem('tasks', JSON.stringify(tasks));
}

</script>

<body>

<h1>Task Manager</h1>
```

```
<input type="text" id="taskInput" placeholder=" Implement your task  
here...">  
<button id="addTask">Add Task</button>  
<ul id="taskList"></ul>  
<script src="app.js"></script>  
</body>  
</html>
```

## OUTPUT:

