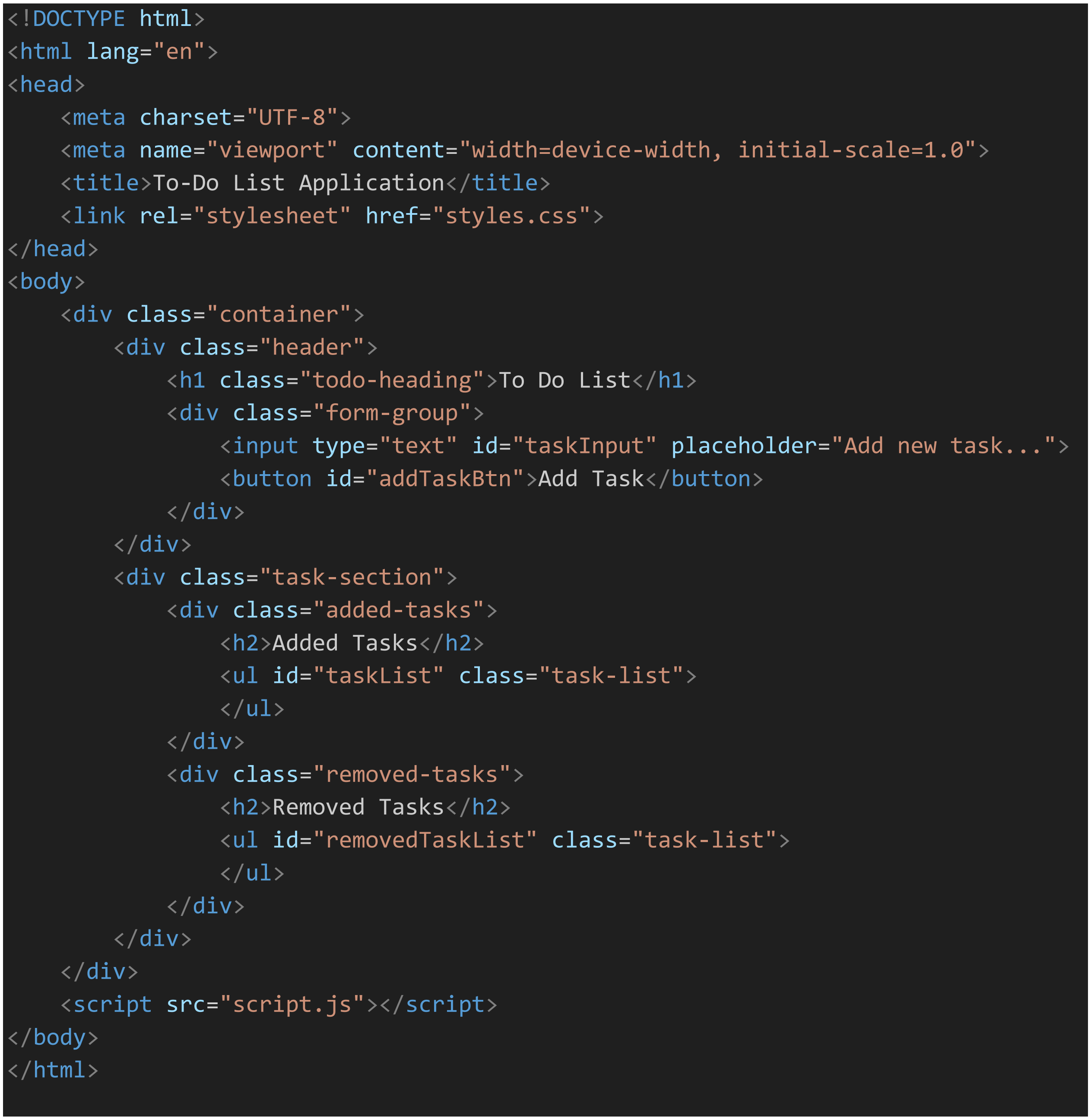
KARL ANDREW GOJAR
BIT32

S-ITPE003LA: EA1 Finals

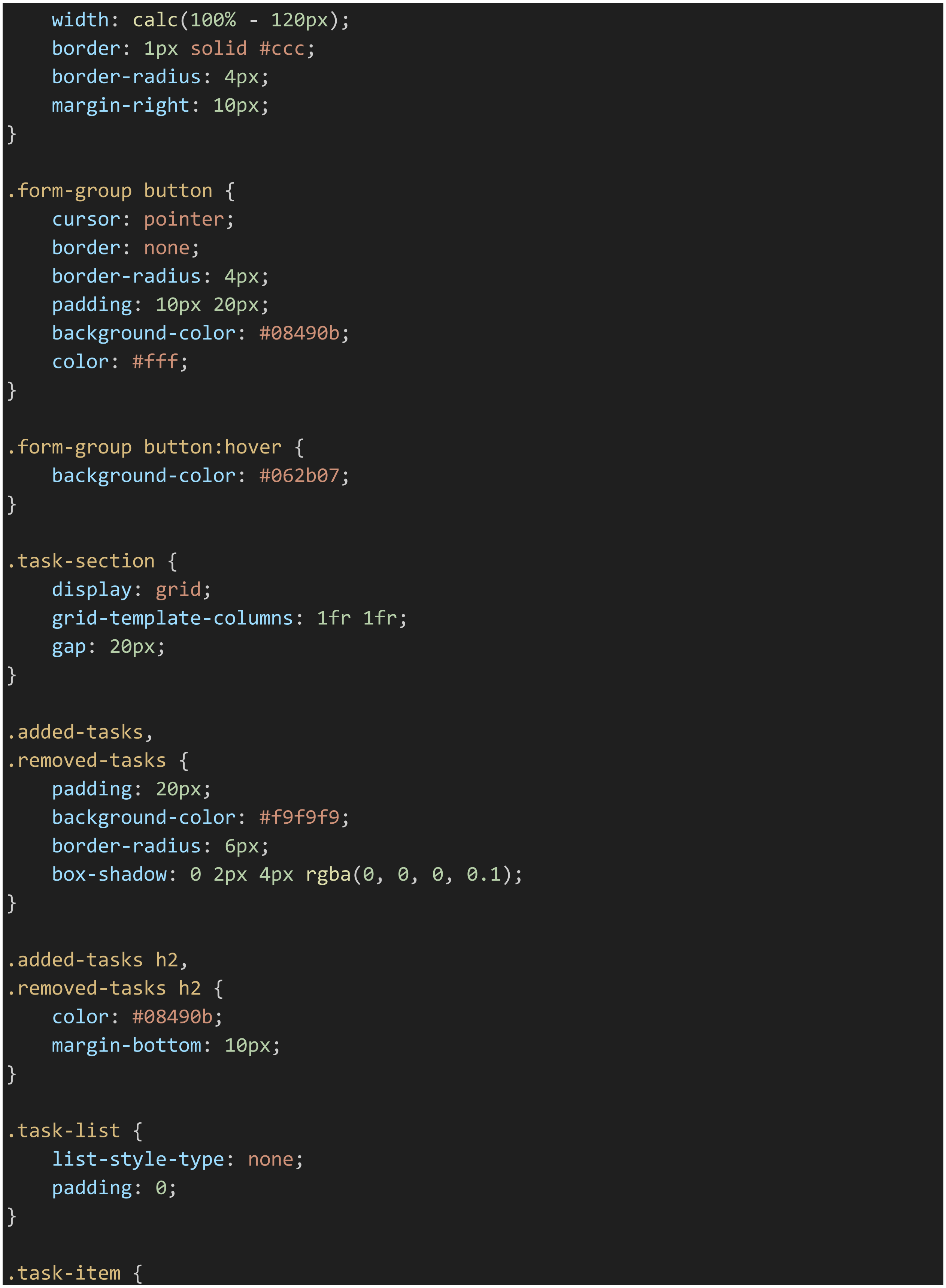
GOJAR_FinalsEA1.html



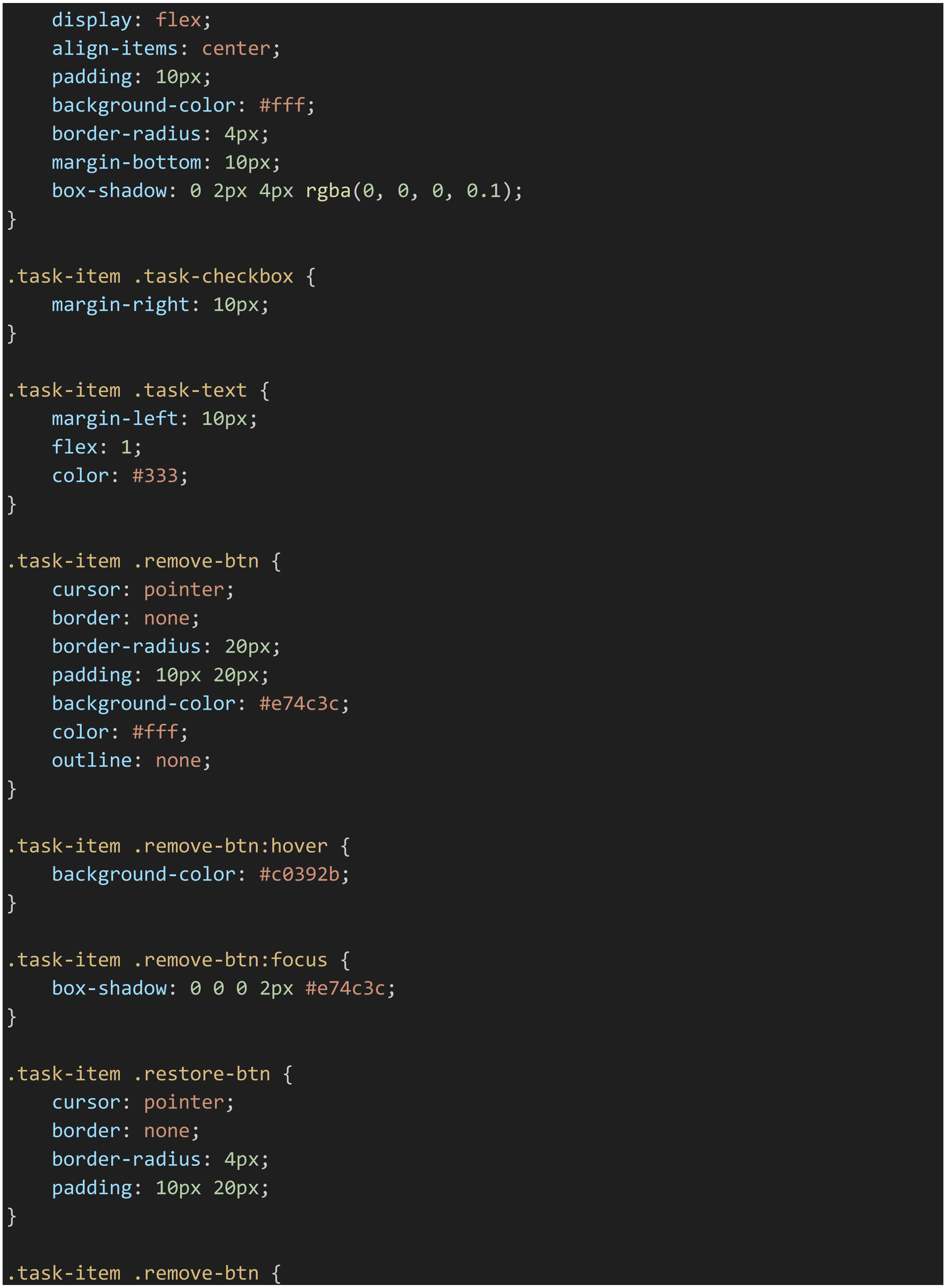
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>To-Do List Application</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container">
        <div class="header">
            <h1 class="todo-heading">To Do List</h1>
            <div class="form-group">
                <input type="text" id="taskInput" placeholder="Add new task...">
                <button id="addTaskBtn">Add Task</button>
            </div>
        </div>
        <div class="task-section">
            <div class="added-tasks">
                <h2>Added Tasks</h2>
                <ul id="taskList" class="task-list">
                </ul>
            </div>
            <div class="removed-tasks">
                <h2>Removed Tasks</h2>
                <ul id="removedTaskList" class="task-list">
                </ul>
            </div>
        </div>
    </div>
    <script src="script.js"></script>
</body>
</html>
```

styles.css

```css
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    background-color: #f2f2f2;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
}

.container {
    width: 100%;
    max-width: 800px;
    background-color: #fff;
    border-radius: 8px;
    box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);
    padding: 20px;
}

.header {
    text-align: center;
    margin-bottom: 20px;
}

.todo-heading {
    color: #08490b;
    margin-bottom: 10px;
}

.form-group {
    display: flex;
    align-items: center;
    justify-content: center;
    margin-bottom: 20px;
}

.form-group input[type="text"] {
    padding: 10px;
```



```css
    width: calc(100% - 120px);
    border: 1px solid #ccc;
    border-radius: 4px;
    margin-right: 10px;
}

.form-group button {
    cursor: pointer;
    border: none;
    border-radius: 4px;
    padding: 10px 20px;
    background-color: #08490b;
    color: #fff;
}

.form-group button:hover {
    background-color: #062b07;
}

.task-section {
    display: grid;
    grid-template-columns: 1fr 1fr;
    gap: 20px;
}

.added-tasks,
.removed-tasks {
    padding: 20px;
    background-color: #f9f9f9;
    border-radius: 6px;
    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
}

.added-tasks h2,
.removed-tasks h2 {
    color: #08490b;
    margin-bottom: 10px;
}

.task-list {
    list-style-type: none;
    padding: 0;
}

.task-item {
```



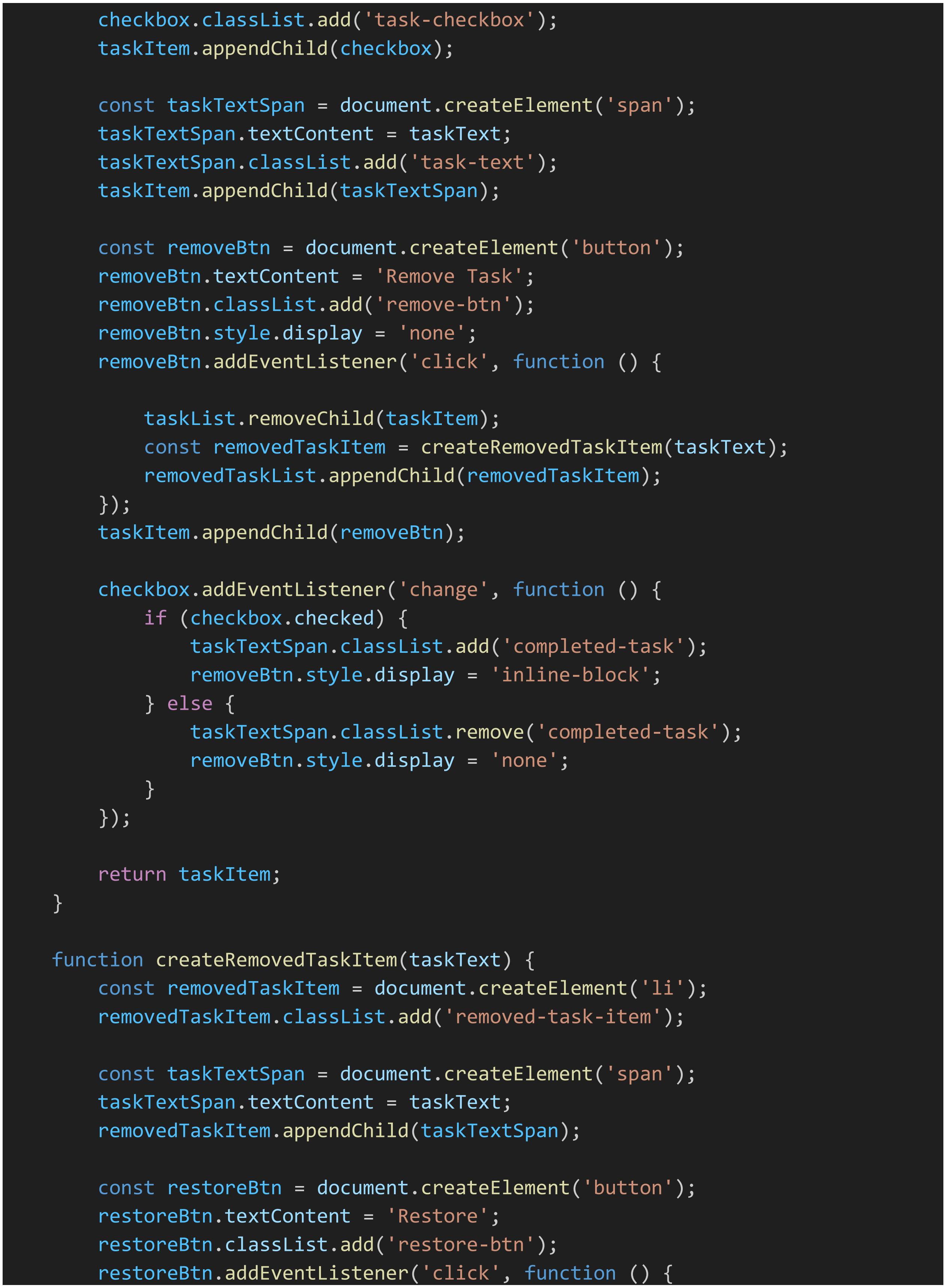
```
    display: flex;
    align-items: center;
    padding: 10px;
    background-color: #fff;
    border-radius: 4px;
    margin-bottom: 10px;
    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
}

.task-item .task-checkbox {
    margin-right: 10px;
}

.task-item .task-text {
    margin-left: 10px;
    flex: 1;
    color: #333;
}

.task-item .remove-btn {
    cursor: pointer;
    border: none;
    border-radius: 20px;
    padding: 10px 20px;
    background-color: #e74c3c;
    color: #fff;
    outline: none;
}

.task-item .remove-btn:hover {
    background-color: #c0392b;
}

.task-item .remove-btn:focus {
    box-shadow: 0 0 0 2px #e74c3c;
}

.task-item .restore-btn {
    cursor: pointer;
    border: none;
    border-radius: 4px;
    padding: 10px 20px;
}

.task-item .remove-btn {
```

```css
    background-color: #e74c3c;
    color: #fff;
}

.task-item .remove-btn:hover {
    background-color: #c0392b;
}

.task-item .restore-btn {
    background-color: #2ecc71;
    color: #fff;
    margin-left: auto;
    outline: none;
    border: 2px solid #2ecc71;
}

.task-item .restore-btn:hover {
    background-color: #27ae60;
}

.task-item.completed .task-text {
    text-decoration: line-through;
    color: #999;
}

.task-item.completed .remove-btn,
.task-item.completed .restore-btn {
    display: none;
}

.removed-task-item {
    display: flex;
    align-items: center;
    padding: 10px;
    background-color: #f9f9f9;
    border-radius: 4px;
    margin-bottom: 10px;
    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
}

.removed-task-item .task-text {
    flex: 1;
    color: #666;
}
```

```
.removed-task-item .restore-btn {
    background-color: #2ecc71;
    color: #fff;
    padding: 10px 20px;
    border-radius: 25px;
    margin-left: auto;
    outline: none;
    border: 2px solid #2ecc71;
}

.removed-task-item .restore-btn:hover {
    background-color: #27ae60;
}
```

script.js

```
document.addEventListener('DOMContentLoaded', function () {
    const taskInput = document.getElementById('taskInput');
    const addTaskBtn = document.getElementById('addTaskBtn');
    const taskList = document.getElementById('taskList');
    const removedTaskList = document.getElementById('removedTaskList');

    addTaskBtn.addEventListener('click', function () {
        const taskText = taskInput.value.trim();
        if (taskText === '') {
            alert('Please enter a task!');
            return;
        }

        const taskItem = createTaskItem(taskText);

        taskList.appendChild(taskItem);

        taskInput.value = '';
    });

    function createTaskItem(taskText) {
        const taskItem = document.createElement('li');
        taskItem.classList.add('task-item');

        const checkbox = document.createElement('input');
        checkbox.type = 'checkbox';
```

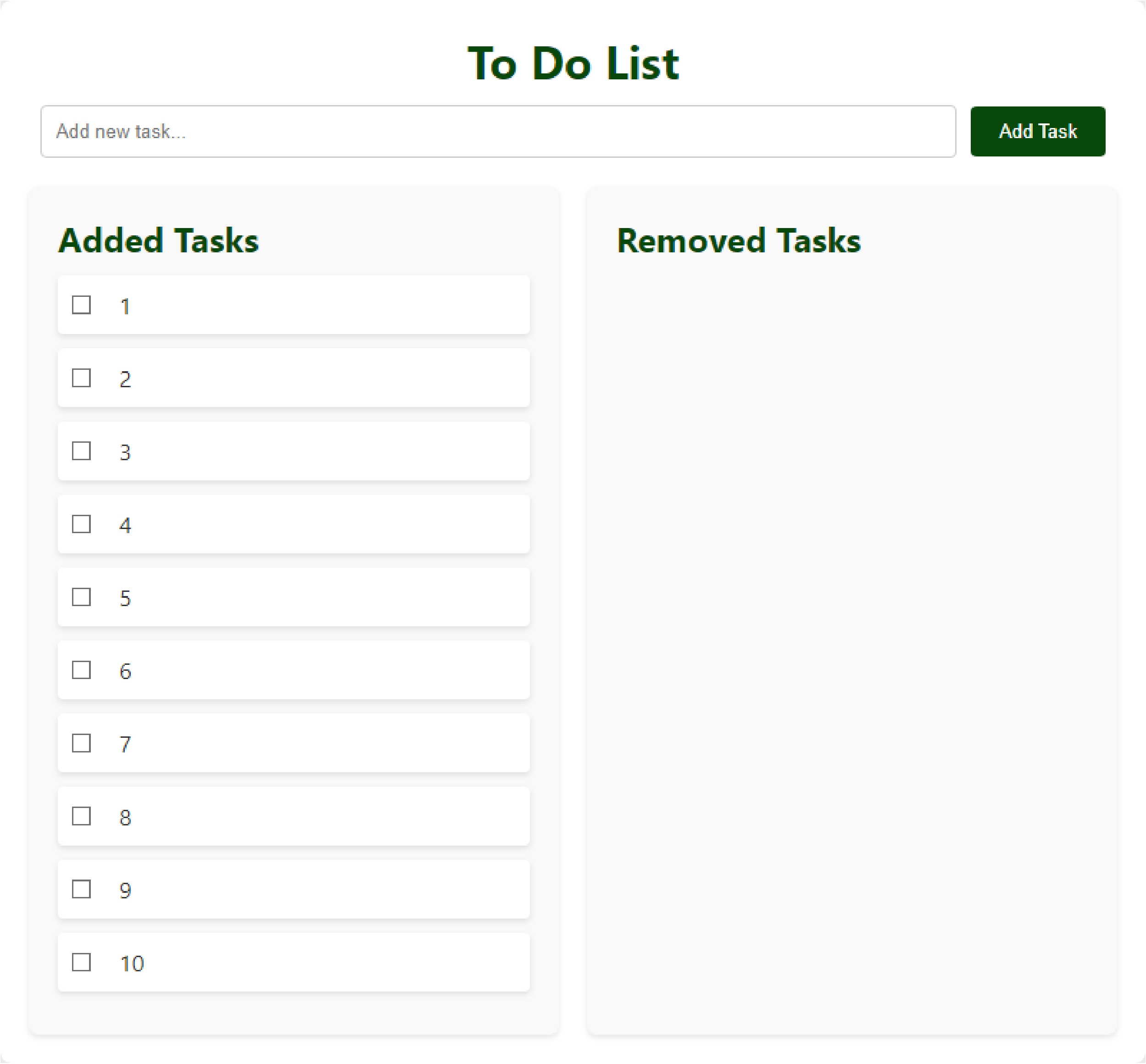


```
    checkbox.classList.add('task-checkbox');
    taskItem.appendChild(checkbox);

    const taskTextSpan = document.createElement('span');
    taskTextSpan.textContent = taskText;
    taskTextSpan.classList.add('task-text');
    taskItem.appendChild(taskTextSpan);

    const removeBtn = document.createElement('button');
    removeBtn.textContent = 'Remove Task';
    removeBtn.classList.add('remove-btn');
    removeBtn.style.display = 'none';
    removeBtn.addEventListener('click', function () {

        taskList.removeChild(taskItem);
        const removedTaskItem = createRemovedTaskItem(taskText);
        removedTaskList.appendChild(removedTaskItem);
    });
    taskItem.appendChild(removeBtn);

    checkbox.addEventListener('change', function () {
        if (checkbox.checked) {
            taskTextSpan.classList.add('completed-task');
            removeBtn.style.display = 'inline-block';
        } else {
            taskTextSpan.classList.remove('completed-task');
            removeBtn.style.display = 'none';
        }
    });

    return taskItem;
}

function createRemovedTaskItem(taskText) {
    const removedTaskItem = document.createElement('li');
    removedTaskItem.classList.add('removed-task-item');

    const taskTextSpan = document.createElement('span');
    taskTextSpan.textContent = taskText;
    removedTaskItem.appendChild(taskTextSpan);

    const restoreBtn = document.createElement('button');
    restoreBtn.textContent = 'Restore';
    restoreBtn.classList.add('restore-btn');
    restoreBtn.addEventListener('click', function () {
            removedTaskList.removeChild(removedTaskItem);
            const taskItem = createTaskItem(taskText);
            taskList.appendChild(taskItem);
        });
        removedTaskItem.appendChild(restoreBtn);

        return removedTaskItem;
    }
});
```

app.js

```
const express = require('express');
const path = require('path');

const app = express();
const port = 8080;

const publicPath = path.join(__dirname, 'public');
const router = express.Router();

router.get('/', (req, res) => {
    res.sendFile(path.join(publicPath, 'GOJAR_FinalsEA1.html'));
});

app.use(express.static(publicPath));
app.use('/', router);

app.listen(port, () => {
    console.log(`To-Do List app listening at http://localhost:${port}`);
});
```

Execution Screenshot



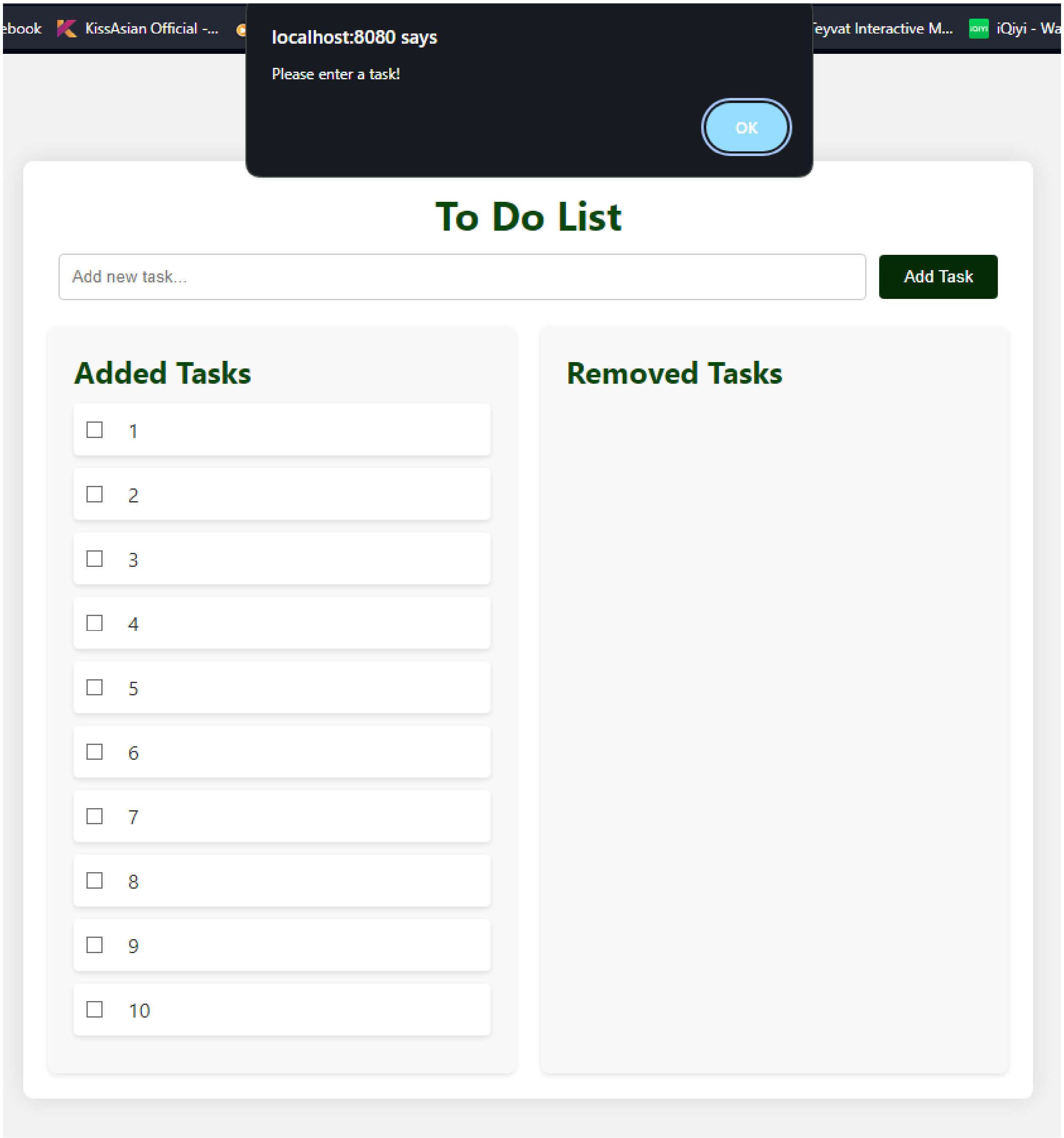
To Do List

Added Tasks

- □ 1
- □ 2
- □ 3
- □ 4
- □ 5
- □ 6
- □ 7
- □ 8
- □ 9
- □ 10

Removed Tasks

No Inputted Task Error



localhost:8080 says

Please enter a task!

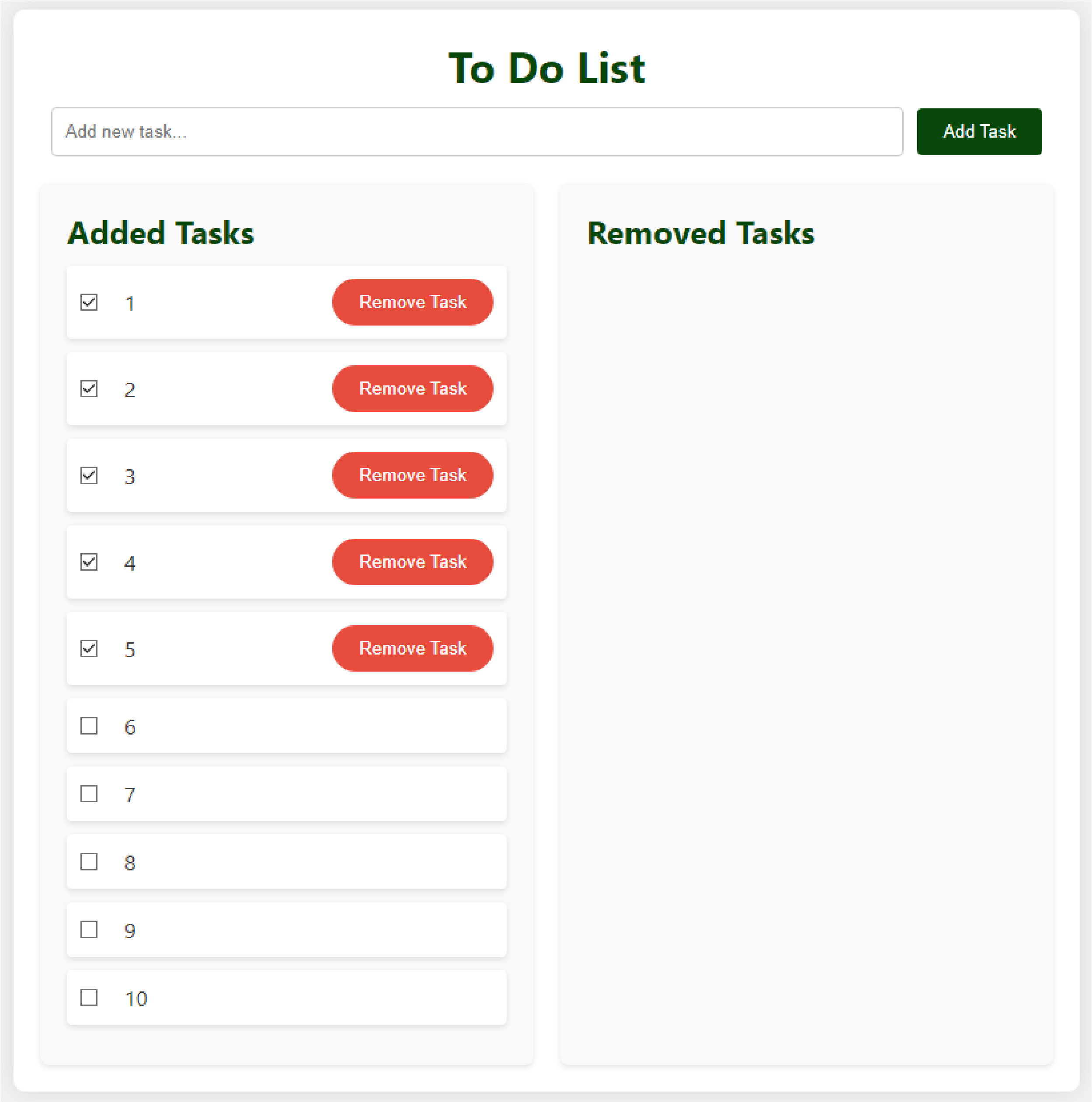
To Do List

Added Tasks

- □ 1
- □ 2
- □ 3
- □ 4
- □ 5
- □ 6
- □ 7
- □ 8
- □ 9
- □ 10

Removed Tasks

Accomplished Task (Checked Box) with Remove Feature



To Do List

Added Tasks

☑ 1

☑ 2

☑ 3

☑ 4

☑ 5

□ 6

□ 7

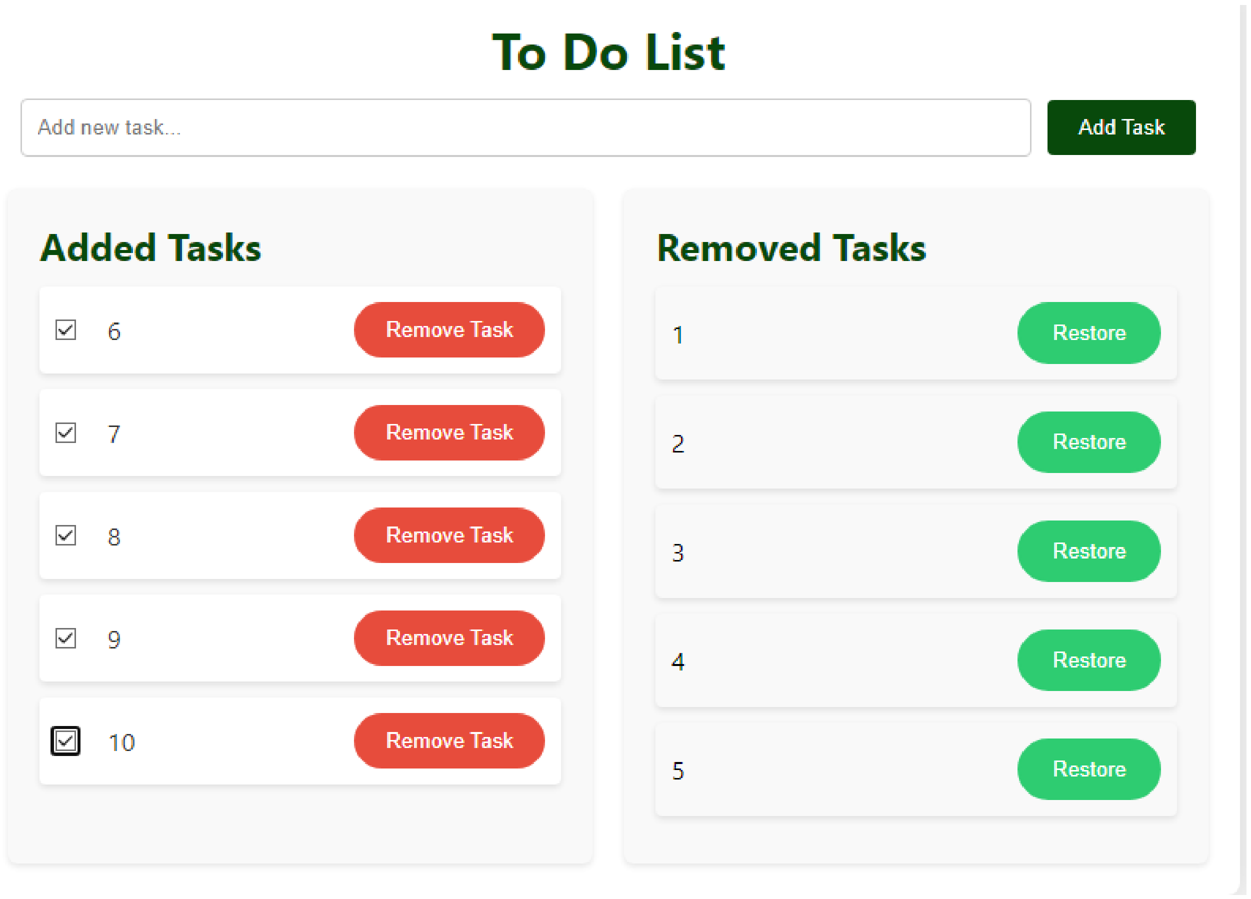
□ 8

□ 9

□ 10

Removed Tasks

Removed Tasks



To Do List

Added Tasks

☑ 6

☑ 7

☑ 8

☑ 9

☑ 10

Removed Tasks

1

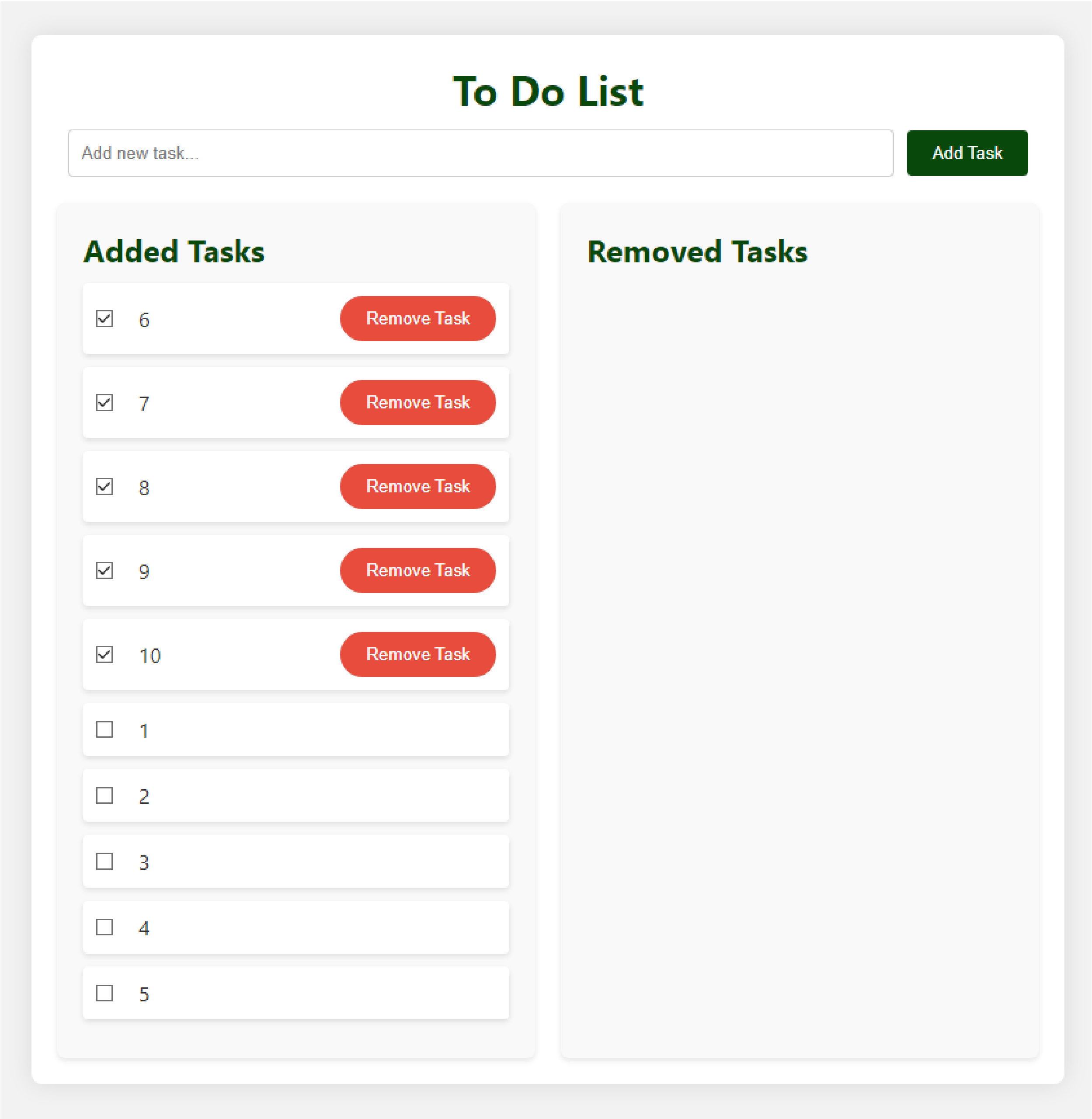
2

3

4

5

Restore Feature



To Do List

Add new task...

Add Task

Added Tasks

☑ 6 Remove Task

☑ 7 Remove Task

☑ 8 Remove Task

☑ 9 Remove Task

☑ 10 Remove Task

□ 1

□ 2

□ 3

□ 4

□ 5

Removed Tasks