TO Do List

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Project- TO-DO-LIST APP.

Introduction:

The To-Do List Application was developed to provide users with a simple and effective tool for managing their tasks and enhancing productivity. This report details the development process, technologies used, and key features implemented using HTML, CSS, and JavaScript.

Objective:

The To-Do List Project aims to create a user-friendly and efficient application for managing tasks and organizing daily activities. The goal is to provide a tool that enhances productivity and helps users stay organized by allowing them to create, edit, prioritize, and mark tasks as completed.

Technologies Used:

Html: Used for structuring the application, defining the layout, and creating interactive elements.

CSS: Applied for styling and visual enhancements, ensuring a pleasant user interface.

Javascript: Employed for dynamic content updates, event handling, and client-side interactions.

User Experience:

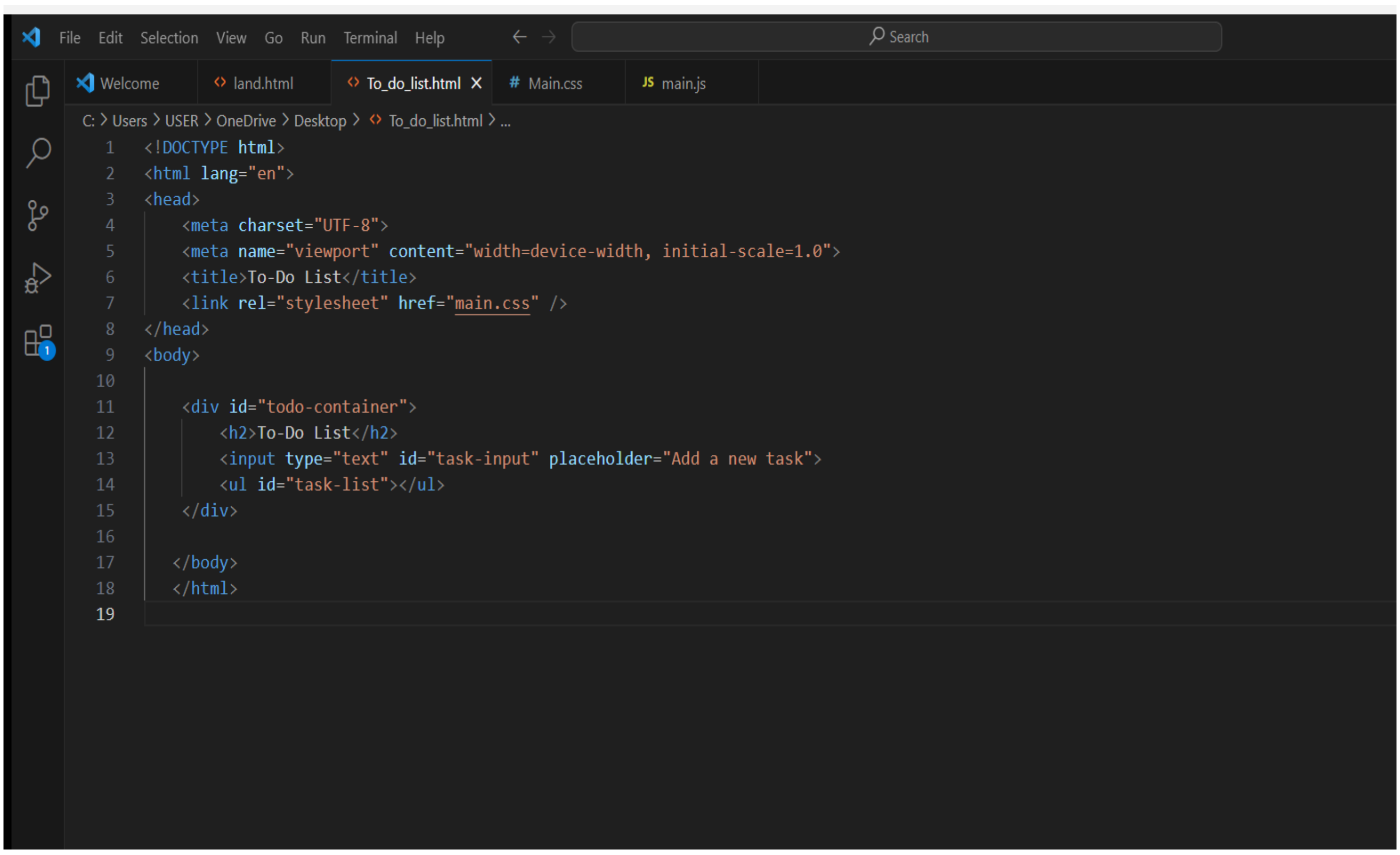
The user experience was a focal point, with responsive design ensuring compatibility across various devices. CSS transitions were applied judiciously to enhance the visual appeal and provide feedback to user actions.

Testing:

Testing involved unit testing for JavaScript functions, cross-browser testing for compatibility, and user acceptance testing for overall functionality. Bugs were identified and addressed promptly.

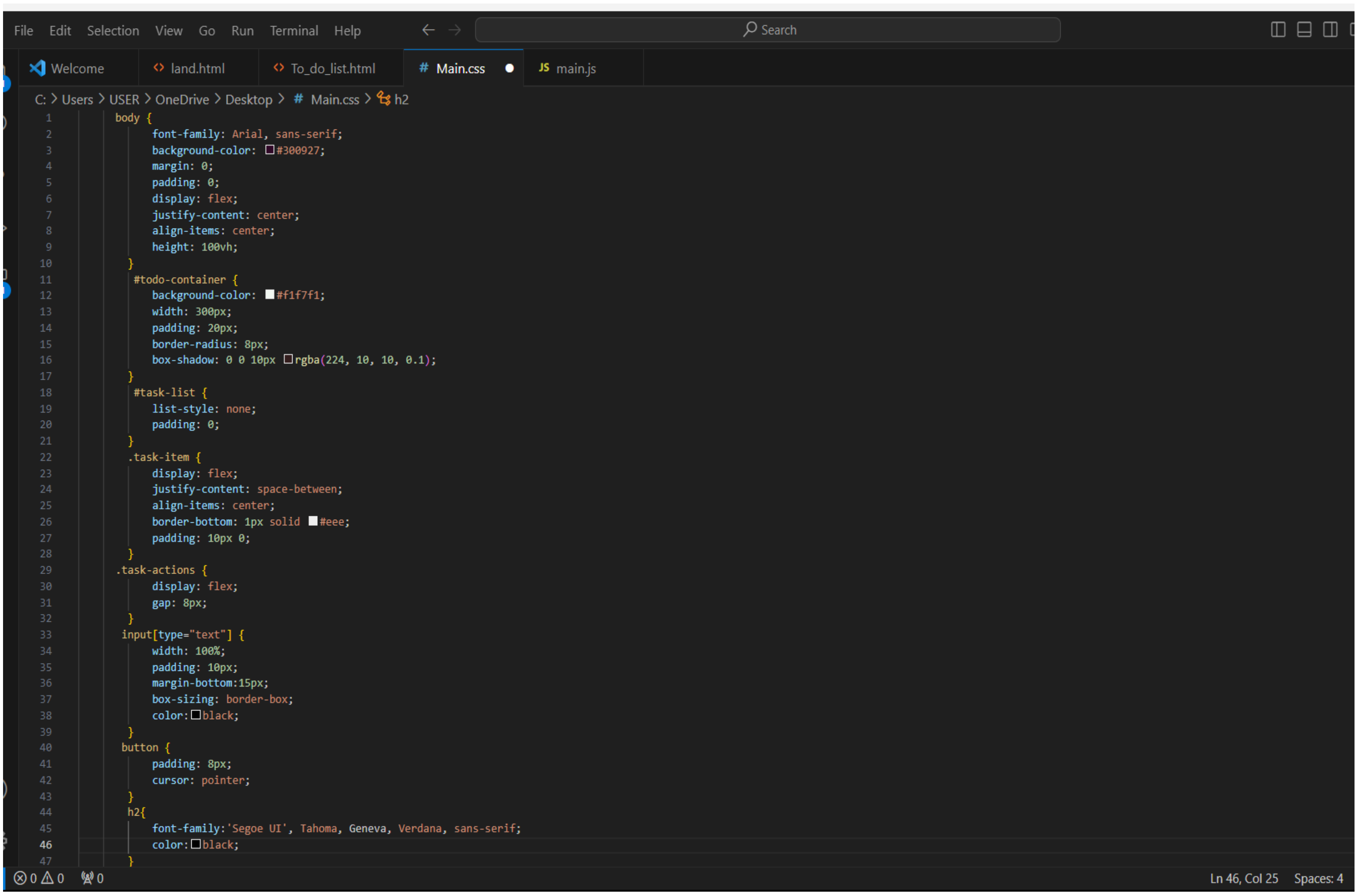
Code of TO Do List:

HTML CODE:



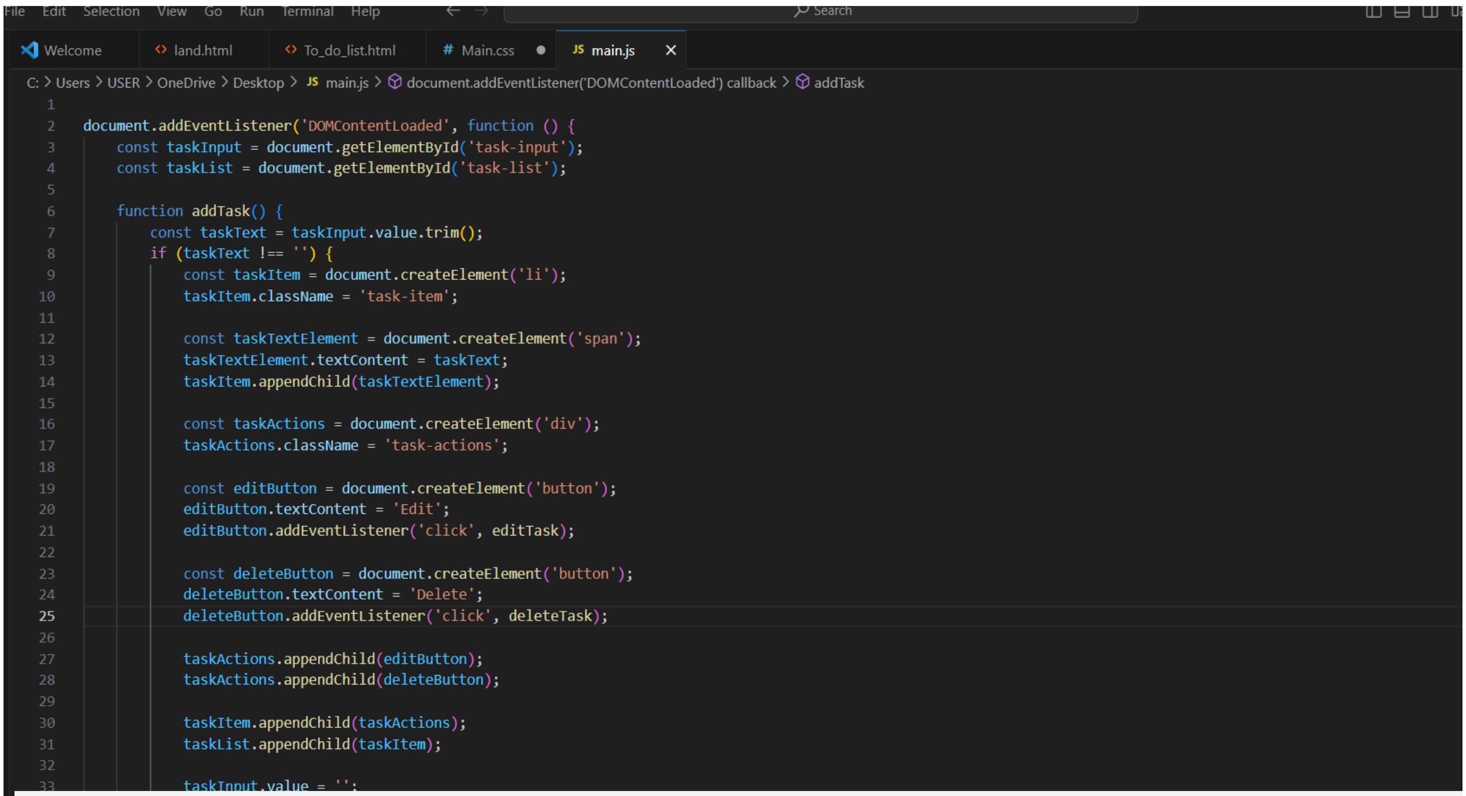
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>To-Do List</title>
    <link rel="stylesheet" href="main.css" />
</head>
<body>

    <div id="todo-container">
        <h2>To-Do List</h2>
        <input type="text" id="task-input" placeholder="Add a new task">
        <ul id="task-list"></ul>
    </div>

   </body>
   </html>
```

CSS CODE:

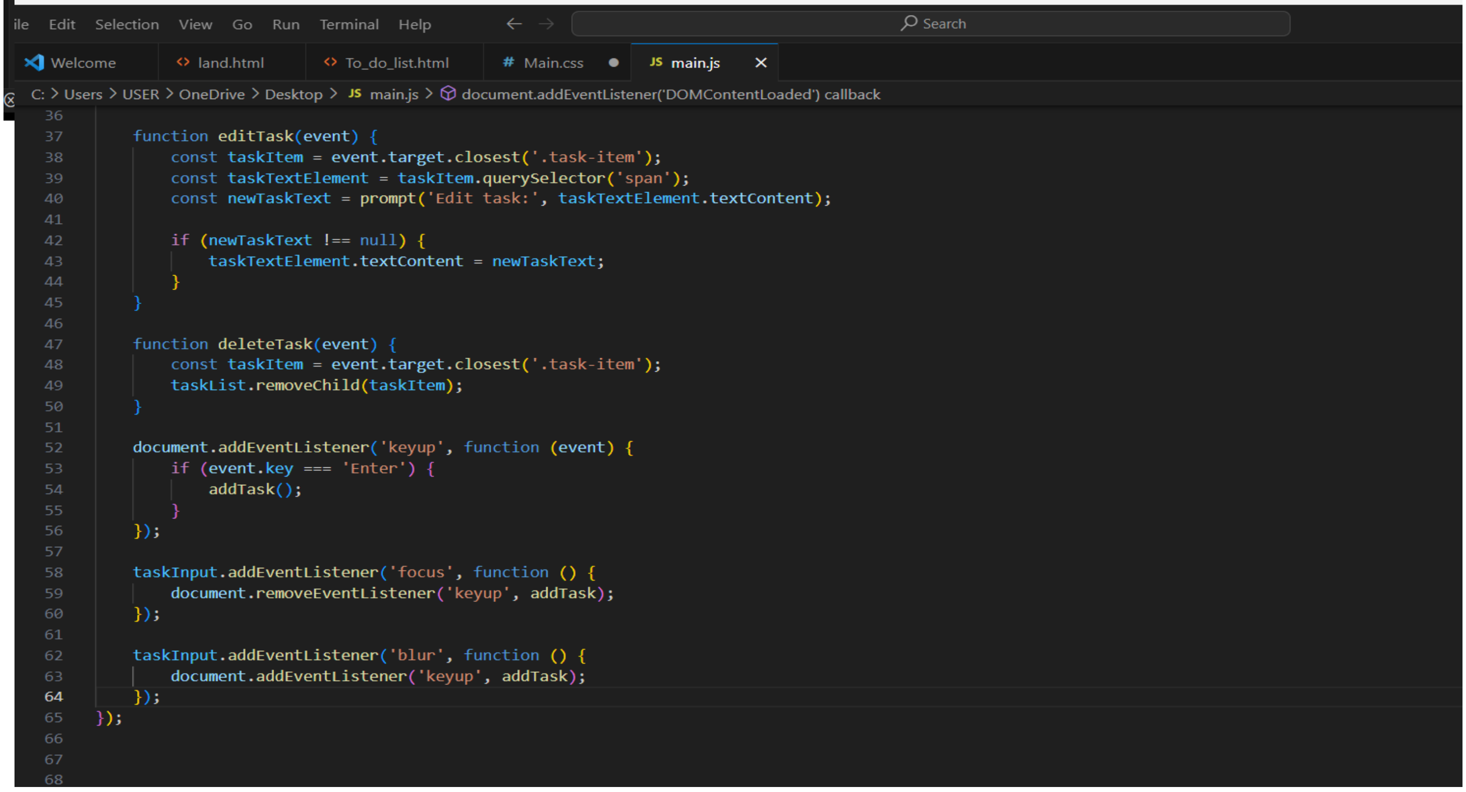

File Edit Selection View Go Run Terminal Help
Search
Welcome
land.html
To_do_list.html
Main.css
main.js
C: > Users > USER > OneDrive > Desktop > Main.css > h2
Ln 46, Col 25
Spaces: 4

```css
body {
      font-family: Arial, sans-serif;
      background-color: #300927;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
  }
   #todo-container {
      background-color: #f1f7f1;
      width: 300px;
      padding: 20px;
      border-radius: 8px;
      box-shadow: 0 0 10px rgba(224, 10, 10, 0.1);
  }
   #task-list {
      list-style: none;
      padding: 0;
  }
  .task-item {
      display: flex;
      justify-content: space-between;
      align-items: center;
      border-bottom: 1px solid #eee;
      padding: 10px 0;
  }
.task-actions {
      display: flex;
      gap: 8px;
  }
 input[type="text"] {
      width: 100%;
      padding: 10px;
      margin-bottom:15px;
      box-sizing: border-box;
      color:black;
  }
 button {
      padding: 8px;
      cursor: pointer;
  }
  h2{
      font-family:'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      color:black;
  }
```

Javascipt Code:


File Edit Selection View Go Run Terminal Help
Search
Welcome
land.html
To_do_list.html
Main.css
main.js
C: > Users > USER > OneDrive > Desktop > main.js > document.addEventListener('DOMContentLoaded') callback > addTask

```javascript

document.addEventListener('DOMContentLoaded', function () {
    const taskInput = document.getElementById('task-input');
    const taskList = document.getElementById('task-list');

    function addTask() {
        const taskText = taskInput.value.trim();
        if (taskText !== '') {
            const taskItem = document.createElement('li');
            taskItem.className = 'task-item';

            const taskTextElement = document.createElement('span');
            taskTextElement.textContent = taskText;
            taskItem.appendChild(taskTextElement);

            const taskActions = document.createElement('div');
            taskActions.className = 'task-actions';

            const editButton = document.createElement('button');
            editButton.textContent = 'Edit';
            editButton.addEventListener('click', editTask);

            const deleteButton = document.createElement('button');
            deleteButton.textContent = 'Delete';
            deleteButton.addEventListener('click', deleteTask);

            taskActions.appendChild(editButton);
            taskActions.appendChild(deleteButton);

            taskItem.appendChild(taskActions);
            taskList.appendChild(taskItem);

            taskInput.value = '';
```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Main.css
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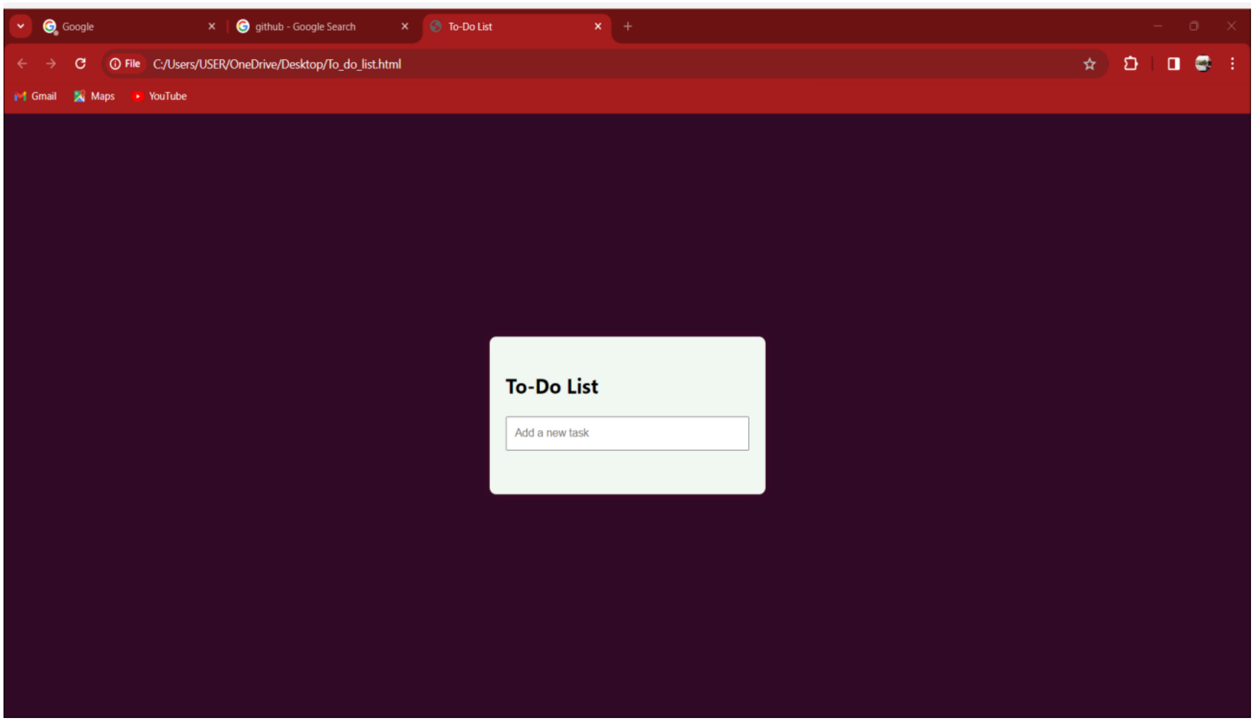
C: > Users > USER > OneDrive > Desktop > main.js > document.addEventListener('DOMContentLoaded') callback

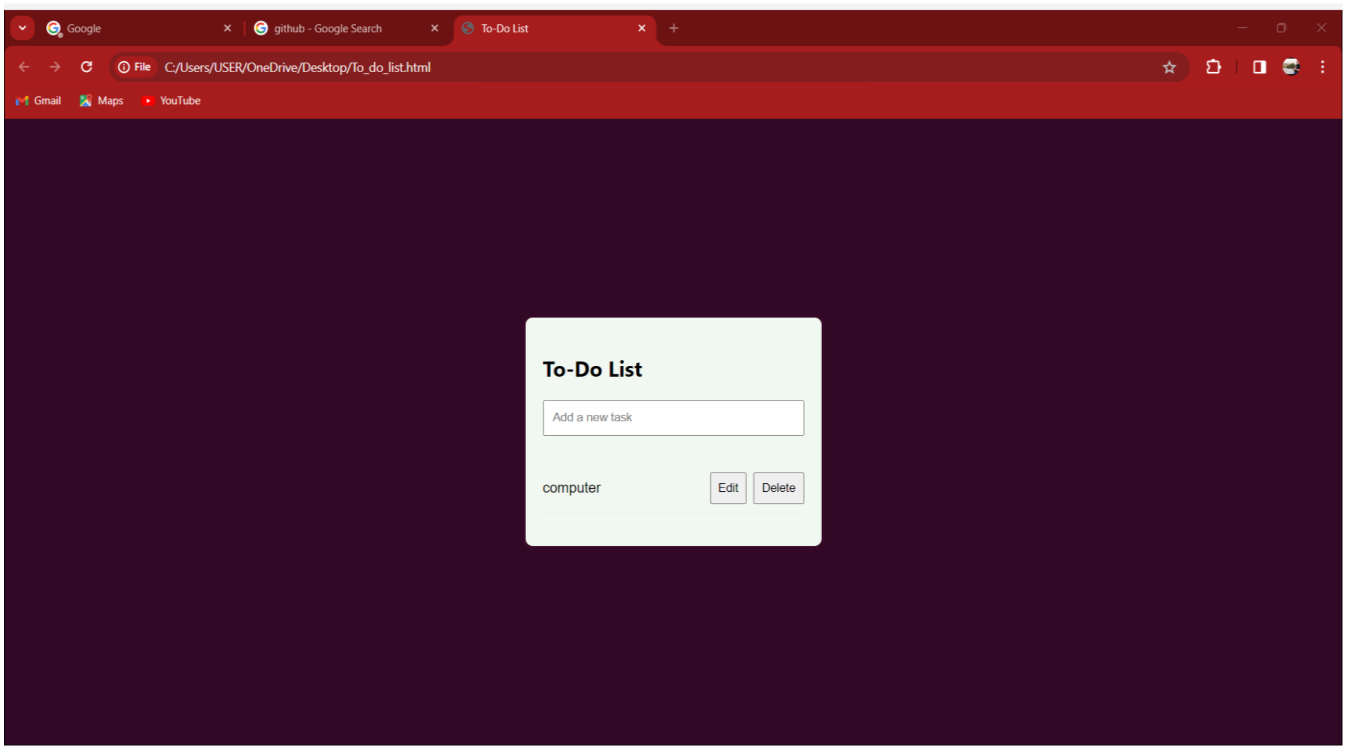
```javascript

    function editTask(event) {
        const taskItem = event.target.closest('.task-item');
        const taskTextElement = taskItem.querySelector('span');
        const newTaskText = prompt('Edit task:', taskTextElement.textContent);

        if (newTaskText !== null) {
            taskTextElement.textContent = newTaskText;
        }
    }

    function deleteTask(event) {
        const taskItem = event.target.closest('.task-item');
        taskList.removeChild(taskItem);
    }

    document.addEventListener('keyup', function (event) {
        if (event.key === 'Enter') {
            addTask();
        }
    });

    taskInput.addEventListener('focus', function () {
        document.removeEventListener('keyup', addTask);
    });

    taskInput.addEventListener('blur', function () {
        document.addEventListener('keyup', addTask);
    });
});



```

OutPut:



To-Do List

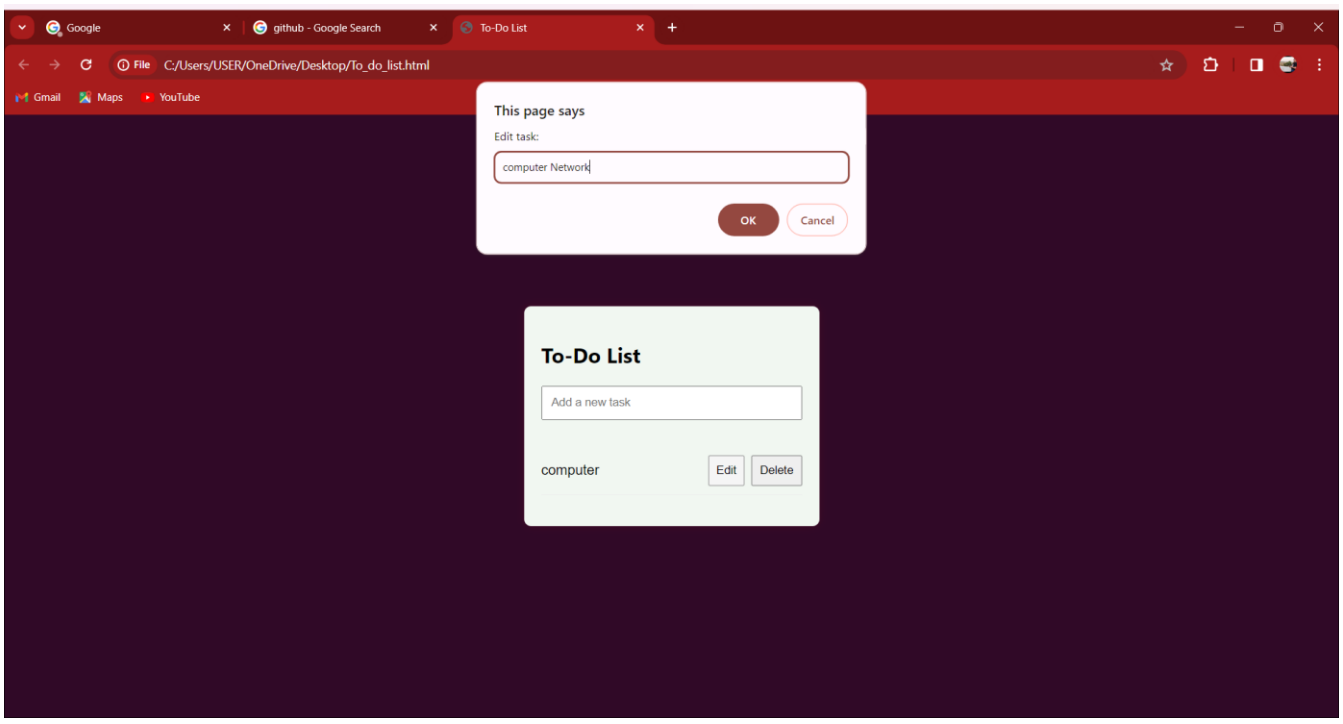
Add a new task



To-Do List

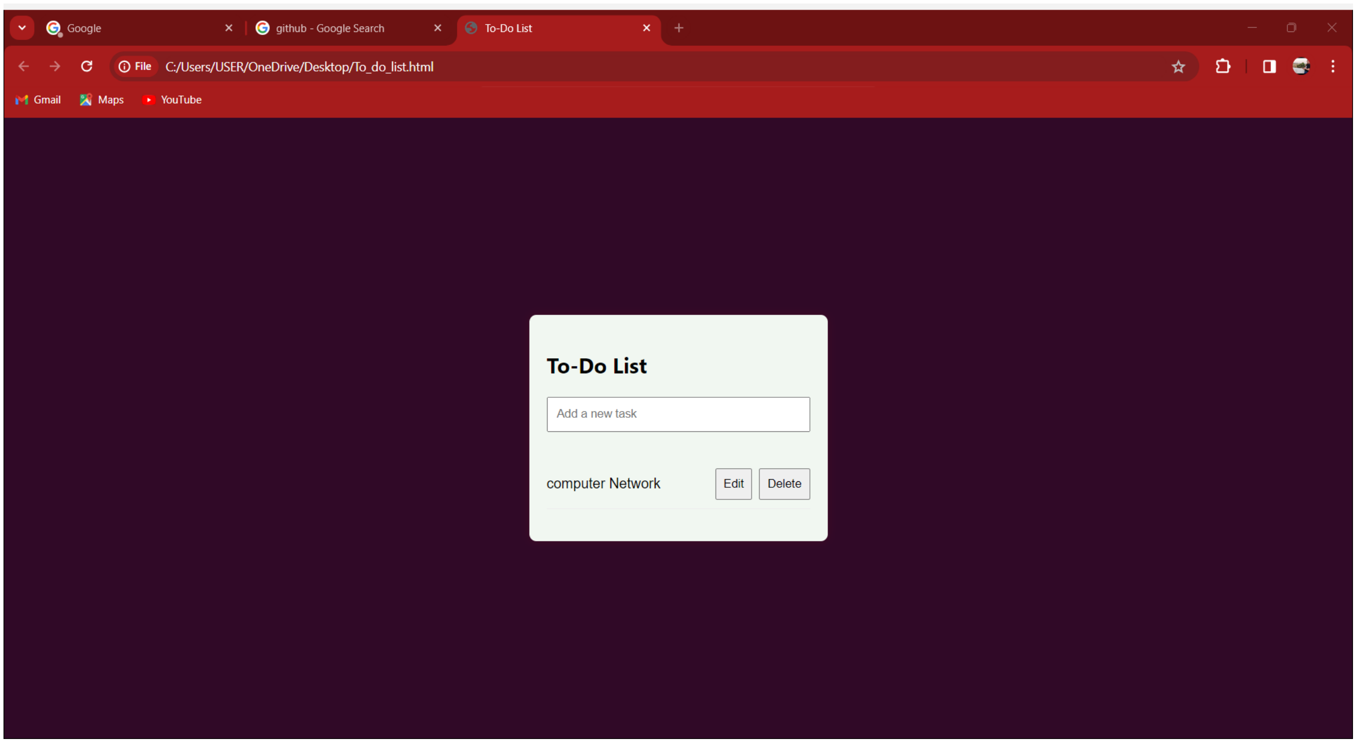
Add a new task

computer Edit Delete

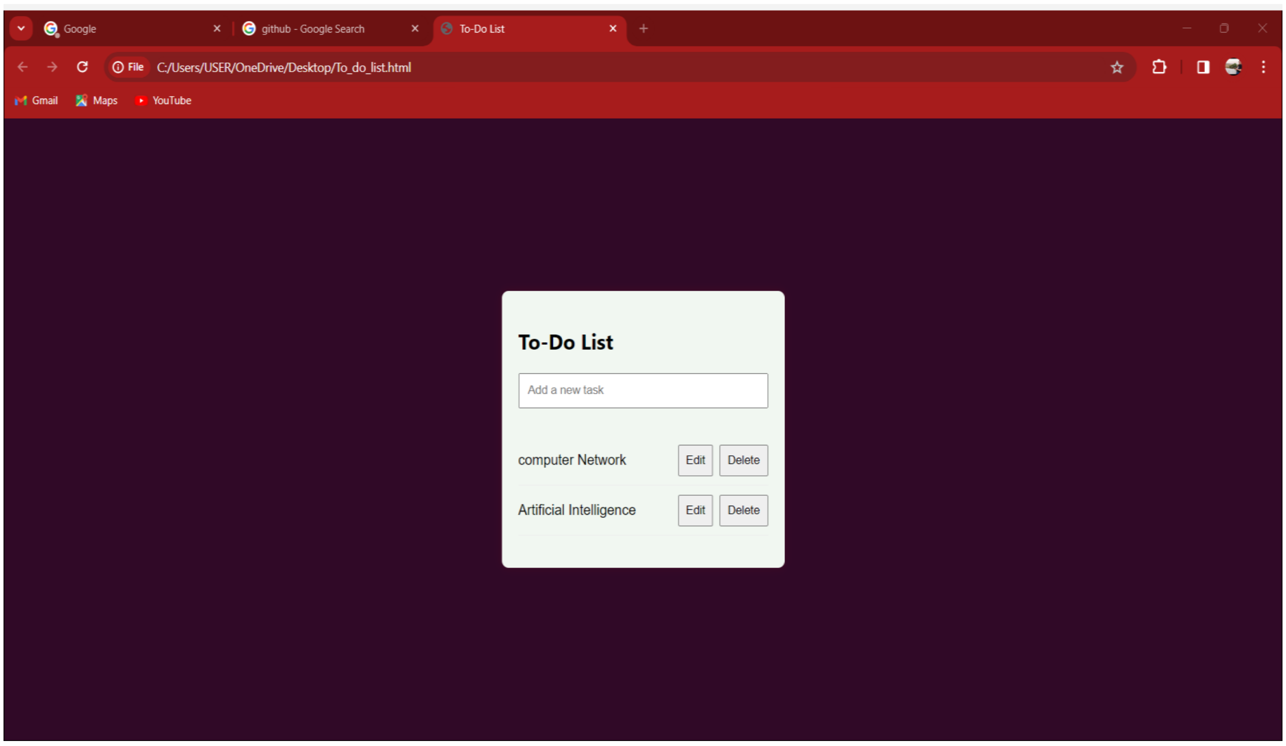

Google
github - Google Search
To-Do List
File C:/Users/USER/OneDrive/Desktop/To_do_list.html
Gmail Maps YouTube

This page says
Edit task:
computer Network
OK Cancel

To-Do List
Add a new task
computer Edit Delete


Google
github - Google Search
To-Do List
File C:/Users/USER/OneDrive/Desktop/To_do_list.html
Gmail Maps YouTube

To-Do List
Add a new task
computer Network Edit Delete



To-Do List

Add a new task

computer Network Edit Delete

Artificial Intelligence Edit Delete

Conclusion:

The To-Do List Application successfully met its objectives by providing users with a straightforward and efficient tool for task management. The combination of HTML, CSS, and JavaScript allowed for a responsive, visually appealing, and functional user interface.