# **Project Report: Personal Bucket List Webpage**

#### Introduction

The Personal Bucket List project is a web development task designed to enhance skills in HTML, CSS, and JavaScript. The goal is to create an interactive and visually appealing webpage where users can maintain a list of experiences they wish to accomplish.

### **Objectives**

- Develop a structured and responsive webpage.
- Implement interactive features using JavaScript.
- Improve user experience with styling and animations.

### **Implementation**

The webpage consists of:

- A title section.
- An input field for users to add new bucket list items.
- A button to submit new items.
- A dynamically generated list where each item can be marked as completed.

#### Technologies Used:

- **HTML** for structure.
- **CSS** for styling and responsiveness.
- **JavaScript** for interactivity.

#### **Issues Encountered**

- A ReferenceError: addItem is not defined was encountered when clicking the 'Add' button
- The function addItem() was not implemented in the JavaScript file.

#### Resolution

- A new JavaScript function addItem() was created to handle adding new items to the list dynamically.
- The function retrieves the input value, creates a new list item, and appends it to the existing list.

# **Code Implementation**

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0">
<title>Personal Bucket List</title>
<link rel="stylesheet" href="styles.css">
<script defer src="script.js"></script>
</head>
<body>
<div class="container">
<input type="text" id="new-item" placeholder="Add a</pre>
                                                            new
item...">
<button onclick="addItem()">Add</button>
id="bucket-list">
</div>
<script>
function addItem() {
let input = document.getElementById("new-item");
let list = document.getElementById("bucket-list");
if (input.value.trim() !== "") {
let listItem = document.createElement("li");
listItem.textContent = input.value;
listItem.onclick
                                        function()
                                                              {
this.classList.toggle("completed"); };
list.appendChild(listItem);
input.value = "";
}
</script>
</body>
</html>
```

# **Expected Output**

- A webpage with a title and an input box.
- Users can enter text into the input box and click the 'Add' button to append items to the list
- Clicking on an item marks it as completed (toggle effect).



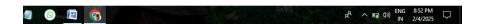


Fig 1.1 Show the webpage Before adding the Bucket list Output





Fig 1.2 Show the webpage After adding the Bucket list Output

# **Learning Outcomes**

- Understanding event handling in JavaScript.
- Implementing dynamic DOM manipulation.
- Debugging common JavaScript errors.

# Conclusion

This project successfully introduced essential web development concepts. The issues faced were resolved by implementing the missing JavaScript function, ensuring a fully functional interactive bucket list.