

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-
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">
<h1>🌟 My Bucket List 🌟</h1>
<input type="text" id="new-item" placeholder="Add a new
item...">
<button onclick="addItem()">Add</button>
<ul id="bucket-list"></ul>
</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).

✨ My Bucket List ✨



Fig 1.1 Show the webpage Before adding the Bucket list Output

✨ My Bucket List ✨

- Visit Maldives
- Skydiving
- Learn Guitar
- Scuba Diving



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.