**AI Prompts used in LAB Buggy JS**

I used two AI prompts to debug the JavaScript:

1. Can you correct this code:

// Buggy To-Do List App let todoItems = []; // Array to store to-do items // Function to add a new item to the list function addItem() { let newItem = document.getElementById("todoInput").value; if (newItem !== "") { todoItems.push(newItem); document.getElementById("todoInput").value = ""; // Clear input field updateList(); } else { alert("Please enter a to-do item."); } } // Function to update the displayed list function updateList() { let list = document.getElementById("todoList"); list.innerHTML = ""; // Clear current list for (let i = 0; i <= todoItems.length; i++) { // Bug: Should be < todoItems.length let listItem = document.createElement("li"); listItem.textContent = todoItems[i]; // Bug: Accesses an out-of-bounds index on last iteration listItem.addEventListener("click", removeItem); // Bug: Removes wrong item due to scope issue list.appendChild(listItem); } } // Function to remove an item from the list function removeItem(event) { let itemText = event.target.textContent; let index = todoItems.indexOf(itemText); todoItems.splice(index, 1); // Bug: Error if itemText is not in array updateList(); } // Event listener for adding a new item document.getElementById("addButton").addEventListener("click", addItem); // Bug: addButton might be undefined

1. Can you offer me some HTML code it will work properly with? Not only did the AI offer me the html requested, but it also provided a CSS file to style the webpage.

The resulting product of the above prompts are included in this repository’s live pages. Timing for both this lab and the previous lab is holding steady at ten minutes each for completion.