

Web Tech Lab- 06

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Date- 01/03/2024

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Shopping List</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="container">
    <h1>Shopping List</h1>
    <div class="input-container">
      <input type="text" id="item" placeholder="Enter item...">
      <button id="addBtn">Add Item</button>
    </div>
    <ul id="itemList">
      <!-- Items will be dynamically added here -->
    </ul>
  </div>
  <script src="script.js"></script>
</body>
</html>
```

Controller.js

```
var controller = {
  init: function() {
    view.init();
  },

  addItem: function() {
```

```

        var itemInput = view.itemInput;
        var item = itemInput.value;
        if (item === "") {
            alert("Please enter an item.");
            return;
        }
        model.items.push(item);
        view.render();
        itemInput.value = "";
    },

    getItems: function() {
        return model.items;
    }
};

controller.init();

```

Script.js

```

document.addEventListener('DOMContentLoaded', function() {
    const itemList = document.getElementById('itemList');
    const itemInput = document.getElementById('item');
    const addBtn = document.getElementById('addBtn');

    addBtn.addEventListener('click', function() {
        const itemName = itemInput.value.trim();

        if (itemName !== '') {
            addItem(itemName);
            itemInput.value = '';
            itemInput.focus();
        } else {
            alert('Please enter an item.');
        }
    });

    function addItem(itemName) {
        const listItem = document.createElement('li');
        listItem.textContent = itemName;
    }

```

```
        itemList.appendChild(listItem);
    }
});
```

View.js

```
var view = {
    init: function() {
        this.itemList = document.getElementById("itemList");
        this.addItemBtn = document.getElementById("addItemBtn");
        this.itemInput = document.getElementById("itemInput");
        this.addItemBtn.addEventListener("click", function() {
            controller.addItem();
        });
        this.render();
    },

    render: function() {
        var itemList = this.itemList;
        itemList.innerHTML = '';
        controller.getItems().forEach(function(item) {
            var li = document.createElement("li");
            li.textContent = item;
            itemList.appendChild(li);
        });
    }
};
```

Styles.jss

```
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
}

.container {
    max-width: 600px;
    margin: 0 auto;
    padding: 20px;
}
```

```
h1 {
    text-align: center;
}

.input-container {
    margin-bottom: 20px;
}

input[type="text"] {
    padding: 8px;
    width: 70%;
    border: 1px solid #ccc;
    border-radius: 4px;
    font-size: 16px;
}

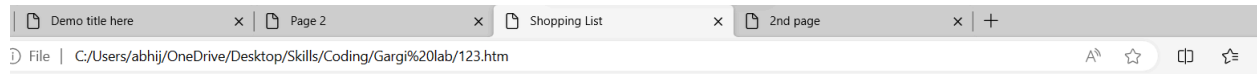
button {
    padding: 8px 16px;
    background-color: #4CAF50;
    color: white;
    border: none;
    border-radius: 4px;
    cursor: pointer;
    font-size: 16px;
}

button:hover {
    background-color: #45a049;
}

ul {
    list-style-type: none;
    padding: 0;
}

li {
    padding: 8px;
    border-bottom: 1px solid #ddd;
}
```

```
li:last-child {  
    border-bottom: none;  
}
```



Shopping List

 Add Item

Eggs

Cucumber

Tomato

Ketchup

Ginger

Tamarind