Web Technology
Lab - 6

Name - RISHIRAJ
Roll No. - 22MC3026

Q1)

HTML FILE

```html
E: > Sem - 4 > CS - 222 - Web Technology > lab6 > <> index.html > ...
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <title>Shopping List</title>
7       <link rel="stylesheet" href="style.css">
8   </head>
9   <body>
10
11  <div id="shopping-list">
12      <h2>Shopping List</h2>
13      <ul id="list-items"></ul>
14      <div>
15          <input type="text" id="item-input" placeholder="Add item...">
16          <button id="add-btn">Add</button>
17      </div>
18
19      <script src="model.js"></script>
20      <script src="view.js"></script>
21      <script src="controller.js"></script>
22  </div>
23
24  </body>
25  </html>
26

Ln 26, Col 1    Spaces: 4    UTF-8    CRLF    HTML
```

CSS FILE

```css
E: > Sem - 4 > CS - 222 - Web Technology > lab6 > # style.css > t3 body
1   body {
2       font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-seri
3       background-color: #f4f4f4;
4       margin: 20px;
5   }
6
7   #shopping-list {
8       width: 400px;
9       margin: 0 auto;
10      background-color: #fff;
11      border-radius: 10px;
12      padding: 20px;
13      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
14  }
15
16  h2 {
17      color: #333;
18      text-align: center;
19  }
20
21  #list-items {
22      list-style-type: none;
23      padding: 0;
24  }
25
26  #list-items li {
27      padding: 10px;
28      border-bottom: 1px solid #ddd;
29      font-size: 16px;
```

```css
E: > Sem - 4 > CS - 222 - Web Technology > lab6 > # style.css > t3 #shopping-list
25
26  #list-items li {
27      padding: 10px;
28      border-bottom: 1px solid #ddd;
29      font-size: 16px;
30      color: #555;
31  }
32
33  #item-input {
34      width: 70%;
35      padding: 10px;
36      font-size: 14px;
37  }
38
39  #add-btn {
40      cursor: pointer;
41      padding: 10px 15px;
42      font-size: 14px;
43      background-color: #4CAF50;
44      color: #fff;
45      border: none;
46      border-radius: 5px;
47      transition: background-color 0.3s;
48  }
49
50  #add-btn:hover {
51      background-color: #45a049;
52  }
53

Ln 1, Col 1    Spaces: 4    UTF-8    CRLF    CSS
```

MODEL.JS FILE

```javascript
class ShoppingList {
    constructor() {
        this.items = [];
    }

    addItem(itemText) {
        this.items.push(itemText);
    }
}

const shoppingList = new ShoppingList();
```

VIEW.JS FILE

```javascript
// view.js
const shoppingListView = (function () {
    function displayItems() {
        const list = document.getElementById('list-items');
        list.innerHTML = '';

        shoppingList.items.forEach(function (itemText) {
            const listItem = document.createElement('li');
            listItem.textContent = itemText;
            list.appendChild(listItem);
        });
    }

    return {
        displayItems: displayItems
    };
})();
```

CONTROLLER.JS FILE

```js
 1   // controller.js
 2   const shoppingListController = (function () {
 3       function handleAddButtonClick() {
 4           const inputElement = document.getElementById('item-input');
 5           const itemText = inputElement.value.trim();
 6
 7           if (itemText !== '') {
 8               shoppingList.addItem(itemText);
 9               shoppingListView.displayItems();
10
11               // Clear input field
12               inputElement.value = '';
13           }
14       }
15
16       document.getElementById('add-btn').addEventListener('click', handleAddButtonClick);
17
18       // Initial display
19       shoppingListView.displayItems();
20   })();
21
```

OUTPUT FILE