Web Technology
Lab - 7

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QI)

HTML FILE

```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
25
2       font-family: 'Segoe UI' , Tahoma, Geneva, Verdana, sans
3       background-color : #f4f4f4;
4       margin: 2Bpx;
5
6
7   #shopping-list { width:
8       4eepx;
9       margin: e auto;
10      background - color : *fff ;
11      border-radius: lepx;

26  *list-items li {
27      padding: 10px;
28      border-bottom: Ipx    *ddd;
29      solid font-size: 16px;
39
31      color:
32
33  *item-input {
34      width: 70%;
35      padding: Iøpx;
```

```
12      padding: 20px; box-shadow: e        e, e.l)
13      e 10px Orgba(e,
14
15
16
17      color: O#333;

18      text-align: center;
19
29
21  *list-items {

22      list-style-type : none;

23      padding: e;
24
25
26  *list-items li {

27      padding: 10px; border-
28      bottom: Ipx solid              #ddd ;

29      font-size: 16px;

1       ody {
```

```
36      font-size: 14px;
37
38
39  #add-btn  {  cursor:
40      pointer;
41      padding: lepx 15px;

42      font-size: 14px;
43

        background-color:
        O#4CAF5e;  color  :  #fff  ;
        border: none;
46      border-radius: 5px;

47       transition: background-color e.3s;
48
49
se  #add-btn: hover {

51      background- color :

52
53
```

MODEL.JS FILE

```javascript
E: > Sem - 4 > CS - 222 - Web Technology > lab6 > JS model.js > ...
1    class ShoppingList {
2        constructor() {
3            this.items = [];
4        }
5
6        addItem(itemText) {
7            this.items.push(itemText);
8        }
9    }
10
11   const shoppingList = new ShoppingList();
12
```

VIEW.JS FILE

```javascript
1    // view.js
2    const shoppingListView = (function () {
3        function displayItems() {
4            const list = document.getElementById('list-items');
5            list.innerHTML = '';
6
7            shoppingList.items.forEach(function (itemText) {
8                const listItem = document.createElement('li');
9                listItem.textContent = itemText;
10               list.appendChild(listItem);
11           });
12       }
13
14       return {
15           displayItems: displayItems
16       };
17   })();
18
```

CONTROLLER.JS FILE

```javascript
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

Shopping List

hello

this is

your shopping list

Add item...

Add