

Web Technology

Lab - 6

Name - Dushyanth

Roll No. - 22MC3038

QI)

HTML FILE

```
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  |
```

CSS FILE

E: > Sem - 4 > CS - 222 - Web Technology > lab6 > # style.css > body

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: lèpx;
26	*list-items li {
27	padding: 10px;
28	border-bottom: lpx
29	solid font-size: 16px;
30	
31	color:
32	
33	*item-input {
34	width: 70%;
35	padding: løpx;

```

12 padding: 20px; box-shadow: e e, e.)
13 e 10px Orgba(e,
14
15
16 color: O#333;
17
18 text-align: center;
19
20
21 *list-items {
22
23 list-style-type : none;
24
25 padding: e;
26
27 *list-items II {
28
29 padding: 10px; border-
30 bottom: 1px solid #ddd ;
31
32 font-size: 16px;
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

```

```

36 font-size: 14px;
37
38
39 #add-btn { cursor:
40 pointer;
41 padding: 10px 15px;
42
43 font-size: 14px;
44
45
46 background-color:
47 O#4CAF5e; color : #fff ;
48 border: none;
49 border-radius: 5px;
50
51 transition: background-color e.3s;
52
53 #add-btn: hover {
54
55 background-color :
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

```

E: > Sem- 4 > CS - 222 - Web Technology > lab6 > # style.css > #shopping-list
Ln 1, col 1 Spaces: 4 UTE-8 CRLF CSS
ENG 15:05

MODEL.JS FILE

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

E: > Sem - 4 > CS - 222 - Web Technology > lab6 > JS view.js > ...

```
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

E: > Sem - 4 > CS - 222 - Web Technology > lab6 > JS controller.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

