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WEB TECHNOLOGY LAB_6

Q.

```
<!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>
    <style>
        body {
            font-family: Arial, sans-serif;
            padding-top: 300px;
            padding-left: 600px;
            justify-content: center;
        }
        #shopping-list {
            margin: 20px;
        }
    </style>
</head>
<body>
<div class="bla">
    <h1><b>Shopping List</b></h1>
    <div id="shopping-list">
        <input type="text" id="item" placeholder="Add item here">
        <button onclick="addItem()">Add</button>
        <ul id="items-list" ></ul>
    </div>
</div>
    <script>
        function addItem() {
            const input = document.getElementById('item');
            const itemText = input.value.trim();
            if (itemText !== '') {
                const itemList = document.getElementById('items-list');
                const newItem = document.createElement('li');
                newItem.textContent = itemText;
                itemList.appendChild(newItem);
                input.value = '';
            }
        }
    </script>
</body>
</html>
```

output:

Shopping List

Add item here | Add

- macbook
- Apple Vision pro

USing MVC

```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>Simple Shopping List</title>
7       <style>
8         body{
9           font-family: Arial, sans-serif;
10          padding-top: 300px;
11          padding-left: 500px;
12          justify-content: center;
13        }
14        .ank{
15          padding-left: 100px;
16          justify-content: center;
17        }
18
19      </style>
20  </head>
21  <body>
22        <h1><b>Shopping List Using MVC</b></h1>
23  <div class="ank">
24      <input type="text" id="itemInput" placeholder="add item">
25      <button id="addItemBtn">Add Item</button>
26      <ul id="itemList"></ul>
27  </div>
28
29
30    <script>
31      const shoppingListModel = {
32        items: [],
33        addItem(item) {
34          this.items.push(item);
35        },
36        getItems() {
37          return this.items;
38        }
39      };
```

```javascript
    const shoppingListView = {
      displayItems() {
        const itemList = document.getElementById('itemList');
        itemList.innerHTML = '';

        shoppingListModel.getItems().forEach(item => {
          const li = document.createElement('li');
          li.textContent = item;
          itemList.appendChild(li);
        });
      }
    };

    const shoppingListController = {
      init() {
        this.addItemBtn = document.getElementById('addItemBtn');
        this.itemInput = document.getElementById('itemInput');

        this.addItemBtn.addEventListener('click', () => {
          const newItem = this.itemInput.value.trim();
          if (newItem !== '') {
            shoppingListModel.addItem(newItem);
            shoppingListView.displayItems();
            this.itemInput.value = '';
          }
        });

        shoppingListView.displayItems();
      }
    };

    shoppingListController.init();
  </script>
</body>
</html>
```

OUTPUT

Shopping List Using MVC

add item | Add Item

- macbook
- Apple Vision pro
- Maggie