Web Technology
Lab - 6

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Q1)
Html file

Css file

Model.js file

```js
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

```js
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