LAB-6

Name-Ishika Pandey

Branch-CSE

Roll no.-22cs3029

Code:

```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
8      <style>
9          body {
10             font-family: Arial, sans-serif;
11             margin: 20px;
12             background-color: honeydew;
13         }
14
15         h1 {
16             color: black;
17         }
18
19         form {
20             margin-bottom: 20px;
21         }
22
23         label {
24             display: block;
25             margin-bottom: 5px;
26         }
```

```css
26          }
27
28          input, select {
29              margin-bottom: 10px;
30              padding: 8px;
31              width: 100%;
32          }
33
34          button {
35              padding: 10px;
36              background-color: palegreen;
37              color: black;
38              border: none;
39              cursor: pointer;
40          }
41
42          table {
43              width: 100%;
44              border-collapse: collapse;
45              margin-top: 20px;
46          }
47
```

```css
42          table {
46          }
47
48          th, td {
49              border: 1px solid #ddd;
50              padding: 12px;
51              text-align: left;
52          }
53      </style>
54
55  </head>
56  <body>
57
58      <h1>Shopping List</h1>
59
60      <form id="itemForm">
61          <label for="itemName">Item Name:</label>
62          <input type="text" id="itemName" placeholder="Enter item name">
63
64          <label for="itemQuantity">Quantity:</label>
65          <input type="number" id="itemQuantity" placeholder="1" value="1">
66
67          <label for="itemPriority">Priority:</label>
```

```html
 60     <form id="itemForm">
 66
 67         <label for="itemPriority">Priority:</label>
 68         <select id="itemPriority">
 69             <option value="low">Low</option>
 70             <option value="medium">Medium</option>
 71             <option value="high">High</option>
 72         </select>
 73
 74         <label for="storeName">Store Name:</label>
 75         <input type="text" id="storeName" placeholder="Enter store name">
 76
 77         <label for="storeSection">Store Section:</label>
 78         <input type="text" id="storeSection" placeholder="Enter store section">
 79
 80         <label for="itemPrice">Price:</label>
 81         <input type="number" id="itemPrice" placeholder="Enter price">
 82
 83         <button type="button" onclick="addItem()">Add Item</button>
 84     </form>
 85
 86     <table id="itemList">
 87         <thead>
 88             <tr>
```

```html
 88             <tr>
 90                 <th>Quantity</th>
 91                 <th>Store</th>
 92                 <th>Section</th>
 93                 <th>Price</th>
 94             </tr>
 95         </thead>
 96         <tbody>
 97             <!-- Table content will go here -->
 98         </tbody>
 99     </table>
100
101     <script>
102         function addItem() {
103             var itemName = document.getElementById("itemName").value;
104             var itemQuantity = document.getElementById("itemQuantity").value;
105             var itemPriority = document.getElementById("itemPriority").value;
106             var storeName = document.getElementById("storeName").value;
107             var storeSection = document.getElementById("storeSection").value;
108             var itemPrice = document.getElementById("itemPrice").value;
109
```

```
108        var itemPrice = document.getElementById("itemPrice").value;
109
110        var table = document.getElementById("itemList").getElementsByTagName('tbody')[0];
111        var newRow = table.insertRow(table.rows.length);
112
113        var cell1 = newRow.insertCell(0);
114        var cell2 = newRow.insertCell(1);
115        var cell3 = newRow.insertCell(2);
116        var cell4 = newRow.insertCell(3);
117        var cell5 = newRow.insertCell(4);
118
119        cell1.innerHTML = itemName;
120        cell2.innerHTML = itemQuantity;
121        cell3.innerHTML = storeName;
122        cell4.innerHTML = storeSection;
123        cell5.innerHTML = itemPrice;
124    }
125    </script>
126
127 </body>
128 </html>
```

Output:

Code:

```html
<!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>
    <link rel="stylesheet" href="styles.css">
</head>
<body>

    <h1>Shopping List</h1>

    <form id="itemForm">
        <label for="itemName">Item Name:</label>
        <input type="text" id="itemName" placeholder="Enter item name" required>

        <label for="itemQuantity">Quantity:</label>
        <input type="number" id="itemQuantity" placeholder="1" value="1" min="1" required>

        <label for="itemPriority">Priority:</label>
        <select id="itemPriority" required>
            <option value="low">Low</option>
            <option value="medium">Medium</option>
            <option value="high">High</option>
        </select>
```

```html
        </select>

        <label for="storeName">Store Name:</label>
        <input type="text" id="storeName" placeholder="Enter store name" required>

        <label for="storeSection">Store Section:</label>
        <input type="text" id="storeSection" placeholder="Enter store section" required>

        <label for="itemPrice">Price:</label>
        <input type="number" id="itemPrice" placeholder="Enter price" min="0" step="0.01" required>

        <button type="button" onclick="addItem()">Add Item</button>
    </form>

    <table id="itemList">
        <thead>
            <tr>
                <th>Item</th>
                <th>Quantity</th>
                <th>Store</th>
                <th>Section</th>
```

```html
41              <tr>
42                  <th>Item</th>
43                  <th>Quantity</th>
44                  <th>Store</th>
45                  <th>Section</th>
46                  <th>Price</th>
47              </tr>
48          </thead>
49          <tbody id="orderSummary">
50              Summary of your order is displayed here
51          </tbody>
52      </table>
53
54      <script src="model.js"></script>
55      <script src="view.js"></script>
56      <script src="controller.js"></script>
57  </body>
58  </html>
```

```css
body {

    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

    margin: 20px;

    background: linear-gradient(135deg, #f4f4f4, #d9e9ff);

}



h1 {

    color:brown;

    text-align: center;

    margin-bottom: 20px;

}



form {

    margin-bottom: 20px;
```

```css
    background: linear-gradient(180deg, #ffffff, #f0f0f0);

    padding: 30px;

    border-radius: 16px;

    box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);

}


label {

    display: block;

    margin-bottom: 16px;

    color: #555;

}


input,

select {

    margin-bottom: 20px;

    padding: 16px;

    width: 100%;

    box-sizing: border-box;

    border: 1px solid #ccc;

    border-radius: 10px;

    font-size: 16px;

    outline: none;
```

```css
}


button {

    padding: 14px;

    background: linear-gradient(135deg, #4CAF50, #45a049);

    color: white;

    border: none;

    border-radius: 10px;

    cursor: pointer;

    font-size: 16px;

    transition: background 0.3s ease;

    outline: none;

}


button:hover {

    background: linear-gradient(135deg, #45a049, #4CAF50);

}


table {

    width: 100%;

    border-collapse: collapse;

    margin-top: 20px;
```

```css
    background: linear-gradient(180deg, #ffffff, #f0f0f0);

    box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);

    border-radius: 16px;

    overflow: hidden;

}


th,

td {

    border: 1px solid #ddd;

    padding: 20px;

    text-align: left;

}


#orderSummary {

    background: linear-gradient(180deg, #e6f7ff, #f4f4f4);

    color: #0066cc;

    font-weight: bold;

    padding: 16px;

    border-radius: 16px;

    margin-bottom: 20px;

    text-align: center;

}
```

```javascript
class ShoppingItem {

    constructor(name, quantity, priority, storeName, storeSection, price)

{

        this.name = name;

        this.quantity = quantity;

        this.priority = priority;

        this.storeName = storeName;

        this.storeSection = storeSection;

        this.price = price;

    }

}


class ShoppingListModel {

    constructor() {

        this.items = [];

    }


    addItem(item) {

        this.items.push(item);

    }

}
```

```javascript
const shoppingListModel = new ShoppingListModel();


class ShoppingListView {

    constructor() {

        this.itemList =

document.getElementById("itemList").getElementsByTagName('tbody')[0];

        this.orderSummary = document.getElementById("orderSummary");

        this.itemForm = document.getElementById("itemForm");

    }


    renderItemList(item) {

        const newRow = this.itemList.insertRow(this.itemList.rows.length);


        for (let key in item) {

            const cell = newRow.insertCell();

            cell.innerHTML = item[key];

        }

    }


    renderOrderSummary(item) {

        const summaryRow = this.orderSummary.insertRow(0);

        const summaryCell = summaryRow.insertCell(0);
```
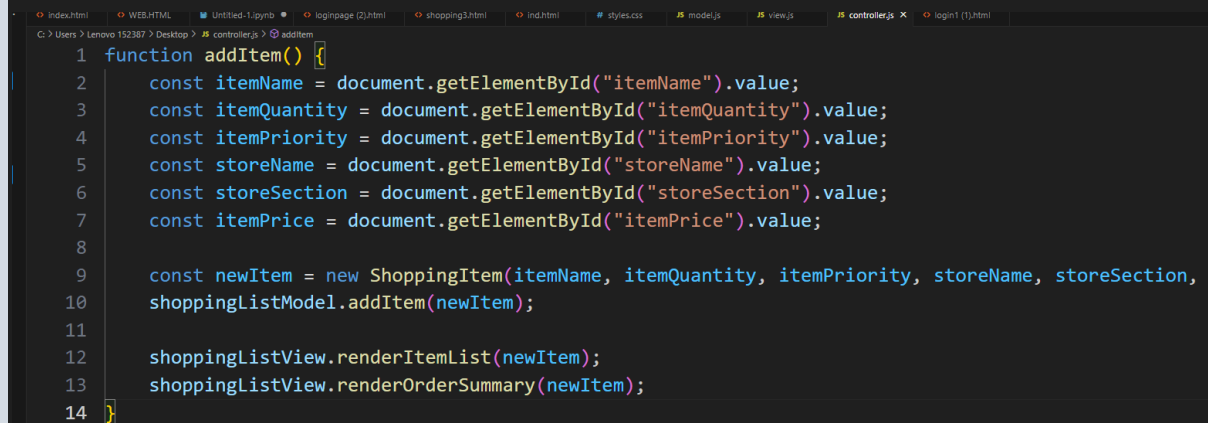
```
        summaryCell.innerHTML = `Added: ${item.quantity} ${item.name}(s)

to your order for $${parseFloat(item.price).toFixed(2)}`;

    }


}



const shoppingListView = new ShoppingListView();
```

C: > Users > Lenovo 152387 > Desktop > JS controller.js > ⚙ addItem

```javascript
 1  function addItem() {
 2      const itemName = document.getElementById("itemName").value;
 3      const itemQuantity = document.getElementById("itemQuantity").value;
 4      const itemPriority = document.getElementById("itemPriority").value;
 5      const storeName = document.getElementById("storeName").value;
 6      const storeSection = document.getElementById("storeSection").value;
 7      const itemPrice = document.getElementById("itemPrice").value;
 8
 9      const newItem = new ShoppingItem(itemName, itemQuantity, itemPriority, storeName, storeSection,
10      shoppingListModel.addItem(newItem);
11
12      shoppingListView.renderItemList(newItem);
13      shoppingListView.renderOrderSummary(newItem);
14  }
```

Output:

Shopping List

Item Name:

Cold Coffee

Quantity:

1

Priority:

Medium

Store Name:

Hungry Maks

Store Section:

B

Price:

10

Store Section:

B

Price:

10

Add Item

Summary of your order is displayed here

Item	Quantity	Store	Section	Price	
Added: Cold Coffee(s) to your order for $10.00					
Added: Pizza(s) to your order for $20.00					
Pizza		low	Hungry Maks	B	20
Cold Coffee		medium	Hungry Maks	B	10