

LAB – 6 WEB TECHNOLOGY

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1.

```
<!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;
      margin: 20px;
    }

    h1 {
      color: #333;
    }

    form {
      margin-bottom: 20px;
    }

    label {
      display: block;
      margin-bottom: 5px;
    }

    input, select {
      margin-bottom: 10px;
      padding: 8px;
      width: 100%;
    }
  </style>
</head>
<body>
  <h1>Shopping List</h1>
  <div>
    <div>
      <input type="text" value="Name" />
      <input type="text" value="Address" />
      <input type="text" value="Phone Number" />
      <input type="button" value="Add" />
    </div>
    <div>
      <table>
        <thead>
          <tr>
            <th>Name</th>
            <th>Address</th>
            <th>Phone Number</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td>Uday Bolla</td>
            <td>123 Main St</td>
            <td>1234567890</td>
          </tr>
        </tbody>
      </table>
    </div>
  </div>
</body>
</html>
```

```

button {
  padding: 10px;
  background-color: #4CAF50;
  color: white;
  border: none;
  cursor: pointer;
}

table {
  width: 100%;
  border-collapse: collapse;
  margin-top: 20px;
}

th, td {
  border: 1px solid #ddd;
  padding: 12px;
  text-align: left;
}
</style>

```

```

<body>

<h1>Shopping List</h1>

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

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

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

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

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

  <label for="itemPrice">Price:</label>
  <input type="number" id="itemPrice" placeholder="Enter price">

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

```

```

<table id="itemList">
  <thead>
    <tr>
      <th>Item</th>
      <th>Quantity</th>
      <th>Store</th>
      <th>Section</th>
      <th>Price</th>
    </tr>
  </thead>
  <tbody>
    <!-- Table content will go here -->
  </tbody>
</table>/#itemList

<script>
  function addItem() {
    var itemName = document.getElementById("itemName").value;
    var itemQuantity = document.getElementById("itemQuantity").value;
    var itemPriority = document.getElementById("itemPriority").value;
    var storeName = document.getElementById("storeName").value;
    var storeSection = document.getElementById("storeSection").value;
    var itemPrice = document.getElementById("itemPrice").value;

    var table = document.getElementById("itemList").getElementsByTagName('tbody')[0];
    var newRow = table.insertRow(table.rows.length);

    var cell1 = newRow.insertCell(0);
    var cell2 = newRow.insertCell(1);
    var cell3 = newRow.insertCell(2);
    var cell4 = newRow.insertCell(3);
    var cell5 = newRow.insertCell(4);

    cell1.innerHTML = itemName;
    cell2.innerHTML = itemQuantity;
    cell3.innerHTML = storeName;
    cell4.innerHTML = storeSection;
    cell5.innerHTML = itemPrice;
  }
</script>

</body>
</html>

```

Shopping List

Item Name:
Pen

Quantity:
1

Priority:
Medium

Store Name:
Hexo

Store Section:
Penny

Price:
20

[Add Item](#)

Item	Quantity	Store	Section	Price
Bag	1	American	BAGs	2000
Pen	1	Hexo	Penny	20

MVC

Html file

```
<!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>

        <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>
                <th>Price</th>
            </tr>
        </thead>
        <tbody id="orderSummary">
            Summary of your order is displayed here
        </tbody>
    </table>

    <script src="model.js"></script>
    <script src="view.js"></script>
    <script src="controller.js"></script>
</body>
</html>
Style.css
body {
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    margin: 20px;
    background: linear-gradient(135deg, #f4f4f4, #d9e9ff);
}

h1 {
    color: #da5411;
    text-align: center;
    margin-bottom: 20px;

```

```
}

form {
  margin-bottom: 20px;
  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;
}

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;
}
```

```

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, #b3d9ff);
color: #0066cc;
font-weight: bold;
padding: 16px;
border-radius: 16px;
margin-bottom: 20px;
text-align: center;
}

```

```

model.js > ...
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);
  }
}

const shoppingListModel = new ShoppingListModel();

```

```

views.js > ...
1 class ShoppingListView {
2   constructor() {
3     this.itemList = document.getElementById("itemList").getElementsByTagName('tbody')[0];
4     this.orderSummary = document.getElementById("orderSummary");
5     this.itemForm = document.getElementById("itemForm");
6   }
7
8   renderItemList(item) {
9     const newRow = this.itemList.insertRow(this.itemList.rows.length);
10
11     for (let key in item) {
12       const cell = newRow.insertCell();
13       cell.innerHTML = item[key];
14     }
15   }
16
17   renderOrderSummary(item) {
18     const summaryRow = this.orderSummary.insertRow(0);
19     const summaryCell = summaryRow.insertCell(0);
20     summaryCell.innerHTML = Added: ${item.quantity} ${item.name}(s) to your order for $${parseFloat(it
21   }
22 }
23
24 const shoppingListView = new ShoppingListView();

```

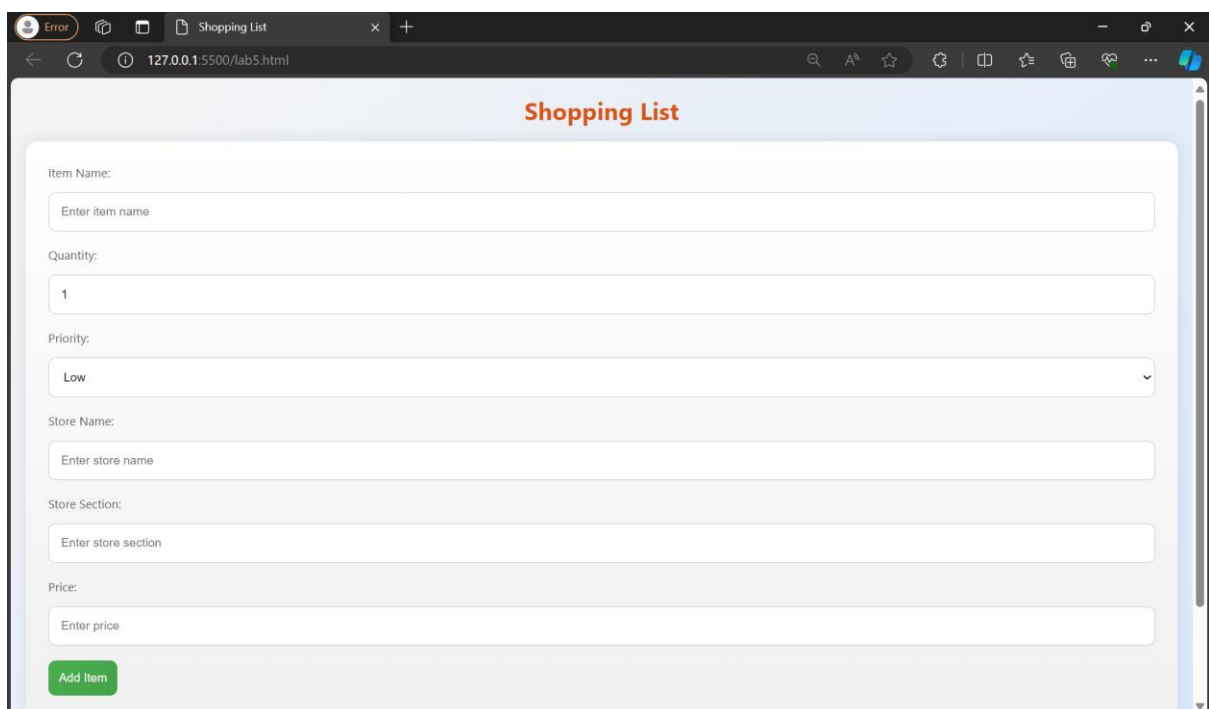
```

function addItem() {
  const itemName = document.getElementById("itemName").value;
  const itemQuantity = document.getElementById("itemQuantity").value;
  const itemPriority = document.getElementById("itemPriority").value;
  const storeName = document.getElementById("storeName").value;
  const storeSection = document.getElementById("storeSection").value;
  const itemPrice = document.getElementById("itemPrice").value;

  const newItem = new ShoppingItem(itemName, itemQuantity, itemPriority, storeName, storeSection, itemPr
  shoppingListModel.addItem(newItem);

  shoppingListView.renderItemList(newItem);
  shoppingListView.renderOrderSummary(newItem);
}

```



The screenshot shows a web browser window with the title 'Shopping List'. The URL bar shows '127.0.0.1:5500/lab5.html'. The page content is a form titled 'Shopping List' in orange text. The form has several input fields: 'Item Name:' with a text input containing 'Enter item name'; 'Quantity:' with a text input containing '1'; 'Priority:' with a dropdown menu showing 'Low'; 'Store Name:' with a text input containing 'Enter store name'; 'Store Section:' with a text input containing 'Enter store section'; and 'Price:' with a text input containing 'Enter price'. At the bottom left of the form is a green button labeled 'Add Item'.

