LAB ASSIGNMENT - 6

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CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width,
inial-scale=1.0">   <tle>Shopping List</tle>
 <link rel="stylesheet" href="style.css">
</head>
<body>
 <div id="app">
 <h1>Shopping List - MVC</h1>
 <input type="text" id="itemInput" placeholder="Enter item...">
 <buon
onclick="controller.addItem(document.getElementById('itemInput').value
)">Ad d Item</buon>
 <ul id="itemList"></ul>
 </div>
```

```html
  <script src="model.js"></script>
<script src="view.js"></script>
<script src="controller.js"></script>
</body>
</html>
```

```css
body {
 font-family: Arial,
sans-serif;   margin: 0;
 padding: 0;
 margin-top: 10px;
 display: flex;
 jusfy-content: center;
 height: 100vh;
}

#app {
 text-align: center;
}

input[type="text"] {
 padding: 8px;
 margin-right: 8px;
}
buon {
 padding: 8px 16px;
 cursor: pointer;
```

```javascript
}

var model = {
 items: [],

 addItem: funcon(itemName) {
 this.items.push({ name: itemName, completed: false
});   },

 toggleItem: funcon(index) {
 this.items[index].completed = !this.items[index].completed;
},

 deleteItem: funcon(index) {
 this.items.splice(index, 1);
 }
};

var view = {
 renderList: funcon() {
 var itemList = document.getElementById('itemList');
itemList.innerHTML = '';
 model.items.forEach(funcon(item, index) {
var listItem = document.createElement('li');
listItem.textContent = item.name;

 var deleteBuon = document.createElement('buon');
deleteBuon.textContent = '';
```

```javascript
deleteBuon.onclick = funcon() {

controller.deleteItem(index);

};


var toggleBuon = document.createElement('buon');

toggleBuon.textContent = item.completed ? '' : '□';

toggleBuon.onclick = funcon() {

controller.toggleItem(index);

};


listItem.appendChild(deleteBuon);

listItem.appendChild(toggleBuon);

itemList.appendChild(listItem);

});

}

};


var controller = {

addItem: funcon(itemName) {
model.addItem(itemName);

view.renderList();

},


toggleItem: funcon(index) {

model.toggleItem(index);

view.renderList();

},
```

```
deleteItem: funcon(index) {

model.deleteItem(index);

view.renderList();

 }

};
```

OUTPUT

Shopping List - MVC

BANGAN   Add Item

- BAT   ✗   ☑
- RED SOCKS   ✗   ☑
- RED PANT   ✗   ☐
- BLACK TROUSERS   ✗   ☑
- BLACK TROUSERS   ✗   ☐
- AALOOO   ✗   ☑
- BANGAN   ✗   ☑