

LAB ASSIGNMENT - 6

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Branch – CSE

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CODE

```
<!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="style.css">
</head>
<body>
    <div id="app">
        <h1>Shopping List - MVC</h1>
        <input type="text" id="itemInput" placeholder="Enter item...">
        <button
            onclick="controller.addItem(document.getElementById('itemInput').value)">Add Item</button>
        <ul id="itemList"></ul>
    </div>

<script src="model.js"></script>
```

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

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

```
#app {  
    text-align: center;  
}
```

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

```
button {  
    padding: 8px 16px;
```

```
cursor: pointer;
}

var model = {
  items: [],

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

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

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

var view = {
  renderList: function() {
    var itemList = document.getElementById('itemList');
    itemList.innerHTML = '';

    model.items.forEach(function(item, index) {
      var listItem = document.createElement('li');
      listItem.textContent = item.name;
      if (item.completed) {
        listItem.classList.add('completed');
      }
      itemList.appendChild(listItem);
    });
  }
};
```

```
listItem.textContent = item.name;

var deleteButton = document.createElement('button');
deleteButton.textContent = '✖';
deleteButton.onclick = function() {
    controller.deleteItem(index);
};

var toggleButton = document.createElement('button');
toggleButton.textContent = item.completed ? '✓' : '☐';
toggleButton.onclick = function() {
    controller.toggleItem(index);
};

listItem.appendChild(deleteButton);
listItem.appendChild(toggleButton);
itemList.appendChild(listItem);

});

}

};

var controller = {
    addItem: function(itemName) {
        model.addItem(itemName);
        view.renderList();
    },
}
```

```
toggleItem: function(index) {  
    model.toggleItem(index);  
    view.renderList();  
},  
  
deleteItem: function(index) {  
    model.deleteItem(index);  
    view.renderList();  
}  
};
```

OUTPUT

Shopping List - MVC

BANGAN Add Item

- BAT

X	✓
---	---
- RED SOCKS

X	✓
---	---
- RED PANT

X	□
---	---
- BLACK TROUSERS

X	✓
---	---
- BLACK TROUSERS

X	□
---	---
- AALOOO

X	✓
---	---
- BANGAN

X	✓
---	---

