

LAB - 06

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SIMPLE PAGE OF SHOPPING LIST USING HTML, CSS & JAVASCRIPT

```
<!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</h1>

    <input type="text" id="itemInput" placeholder="Enter item...">

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

    <ul id="itemList"></ul>

  </div>

  <script src="1script.js"></script>

</body>

</html>
```

```
body {

  font-family: Arial, sans-serif;

  margin: 0;

  padding: 0;
```

```
display: flex;
justify-content: center;
align-items: center;
height: 100vh;
}
```

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

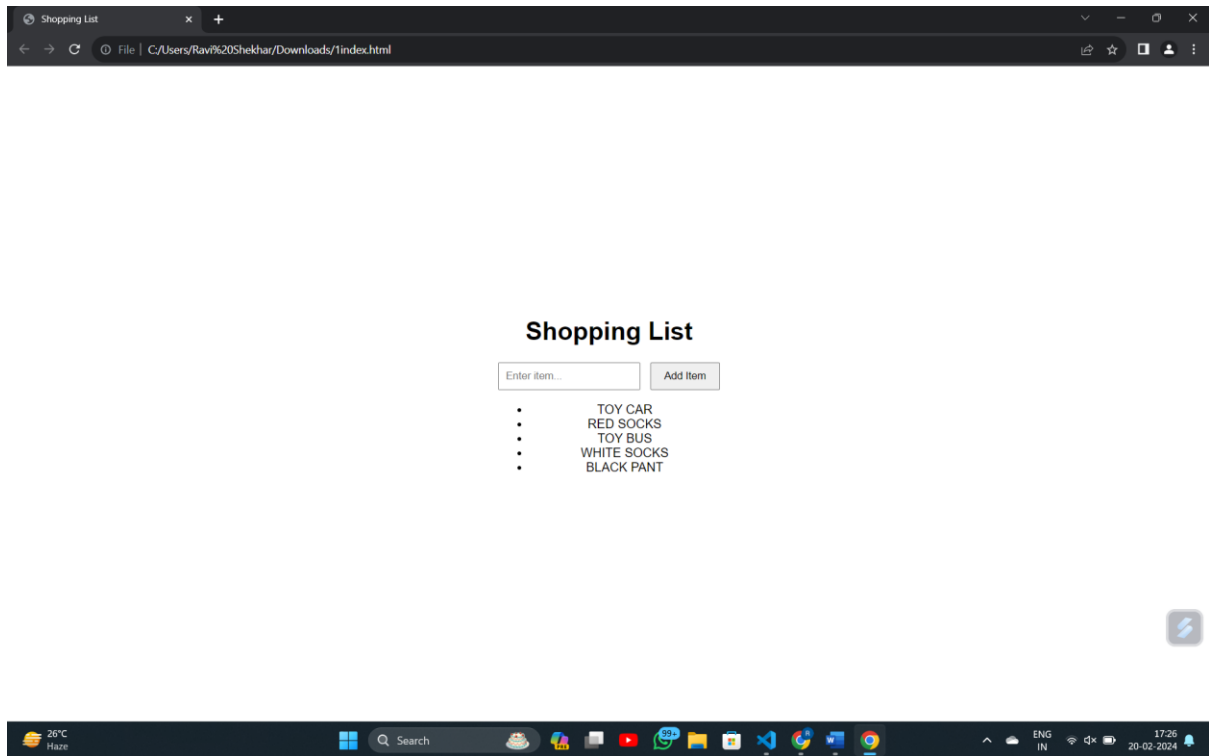
```
input[type="text"] {
  padding: 8px;
  margin-right: 8px;
}
```

```
button {
  padding: 8px 16px;
  cursor: pointer;
}
```

```
// Function to add item to the list
function addItem() {
  var itemInput = document.getElementById('itemInput');
  var itemValue = itemInput.value.trim();

  if (itemValue !== '') {
    var itemList = document.getElementById('itemList');
    var listItem = document.createElement('li');
    listItem.textContent = itemValue;
    itemList.appendChild(listItem);
    itemInput.value = '';
  }
}
```

```
}  
  
}
```



SIMPLE PAGE OF SHOPPING LIST WITH **MVC** BASED PROTOTYPE

```
<!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;  
  
      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();  
  
}  
  
};
```

