

Name - Shikhar

Roll No - 22IT3046

QUES -01

```
2 <html lang="en">
3 <head>
7 <style>
37     button {
44         transition: background-color 0.3s ease;
45     }
46     button:hover {
47         background-color: blue;
48     }
49     ul {
50         list-style-type: none;
51         padding: 0;
52     }
53     li {
54         margin-bottom: 10px;
55         font-size: 16px;
56     }
57 </style>
58 </head>
59 <body>
60     <div class="container">
61         <h1>List</h1>
62         <input type="text" id="itemName" placeholder="Item Name">
63         <input type="number" id="itemQuantity" placeholder="Quantity">
64         <input type="number" id="itemPrice" placeholder="Price">
65         <select id="categoryInput">
66             <option value="Grocery">Grocery</option>
67             <option value="Clothing">Clothing</option>
68             <option value="Electronics">Electronics</option>
69             <!-- Add more categories as needed -->
70         </select>
71         <button onclick="controller.addItem()">Add</button>
```

```
58 </head>
59 <body>
60     <div class="container">
61         <h1>List</h1>
62         <input type="text" id="itemName" placeholder="Item Name">
63         <input type="number" id="itemQuantity" placeholder="Quantity">
64         <input type="number" id="itemPrice" placeholder="Price">
65         <select id="categoryInput">
66             <option value="Grocery">Grocery</option>
67             <option value="Clothing">Clothing</option>
68             <option value="Electronics">Electronics</option>
69             <!-- Add more categories as needed -->
70         </select>
71         <button onclick="controller.addItem()">Add</button>
72         <ul id="itemList"></ul>
73     </div>
74     <script>
75         var model = {
76             shoppingList: [],
77             totalItems: 0,
78             addItemToLis: function(name, quantity, price, category) {
79                 this.shoppingList.push({
80                     id: ++this.totalItems,
81                     name: name,
82                     quantity: quantity,
83                     price: price,
84                     category: category
85                 });
86             }
87         };
88     </script>
```

```
File Edit Selection View Go Run ... web dev assignment

EXPLORER
  WEB DEV ASSIGNMENT
    assignment2.html
    assignment3.html
    ques2.html
    ques3.html
    script.js
    style.css
    style1.css
    style2.css

assignment3.html
  2 <html lang="en">
  59 <body>
  74 <script>
  75   var model = {
  76     addItemToList: function(name, quantity, price, category) {
  81       name: name,
  82       quantity: quantity,
  83       price: price,
  84       category: category
  85     });
  86   },
  87   getShoppingList: function() {
  88     return this.shoppingList;
  89   }
  90 };
  91
  92   var view = {
  93     render: function() {
  94       var itemList = document.getElementById("itemList");
  95       itemList.innerHTML = "";
  96       var items = model.getShoppingList();
  97       items.forEach(function(item) {
  98         var li = document.createElement("li");
  99         li.textContent = "Item " + item.id + ": " + item.name + " (Quantity: " + item.quantity + ", Price
  100         itemList.appendChild(li);
  101       });
  102     }
  103   };
  104
  105   var controller = {
  106     addItem: function() {
  107       var itemNameInput = document.getElementById("itemName");
```

Ln 47, Col 35 Spaces: 4 UTF-8 CRLF HTML Port: 5500

This screenshot shows the VS Code editor with the file `assignment3.html` open. The Explorer sidebar on the left lists files under 'WEB DEV ASSIGNMENT': `assignment2.html`, `assignment3.html` (selected), `ques2.html`, `ques3.html`, `script.js`, `style.css`, `style1.css`, and `style2.css`. The editor displays the following code:

```
2 <html lang="en">
59 <body>
74 <script>
92     var view = {
102     };
103 };
104
105     var controller = {
106     addItem: function() {
107         var itemNameInput = document.getElementById("itemName");
108         var itemQuantityInput = document.getElementById("itemQuantity");
109         var itemPriceInput = document.getElementById("itemPrice");
110         var categoryInput = document.getElementById("categoryInput");
111
112         var itemName = itemNameInput.value;
113         var itemQuantity = itemQuantityInput.value;
114         var itemPrice = itemPriceInput.value;
115         var category = categoryInput.value;
116
117         if (itemName === "" || itemQuantity === "" || itemPrice === "" || category === "") return;
118
119         model.addItemToList(itemName, itemQuantity, itemPrice, category);
120         view.render();
121
122         itemNameInput.value = "";
123         itemQuantityInput.value = "";
124         itemPriceInput.value = "";
125         categoryInput.value = "";
126     }
127 };
128 </script>
129 </body>
```

The status bar at the bottom indicates 'Ln 47, Col 35', 'Spaces: 4', 'UTF-8', 'CRLF', 'HTML', and 'Port: 5500'.

This screenshot shows the VS Code editor with the file `assignment3.html` open. The Explorer sidebar on the left lists files under 'WEB DEV ASSIGNMENT': `assignment2.html`, `assignment3.html` (selected), `ques2.html`, `ques3.html`, `script.js`, `style.css`, `style1.css`, and `style2.css`. The editor displays the following code:

```
2 <html lang="en">
59 <body>
74 <script>
105     var controller = {
106     addItem: function() {
115         var category = categoryInput.value;
116
117         if (itemName === "" || itemQuantity === "" || itemPrice === "" || category === "") return;
118
119         model.addItemToList(itemName, itemQuantity, itemPrice, category);
120         view.render();
121
122         itemNameInput.value = "";
123         itemQuantityInput.value = "";
124         itemPriceInput.value = "";
125         categoryInput.value = "";
126     }
127 };
128 </script>
129 </body>
130 </html>
```

The status bar at the bottom indicates 'Ln 47, Col 35', 'Spaces: 4', 'UTF-8', 'CRLF', 'HTML', and 'Port: 5500'.

