Lab Assignment

Name-Mayank Bharti

Roll no.-22cs3039

Branch-CSE

1.

```html
<!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;
            background-color: lavender;
        }

        h1 {
            color: purple;
        }

        form {
            margin-bottom: 20px;
        }

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

        input, select {
            margin-bottom: 10px;
            padding: 8px;
            width: 100%;
        }

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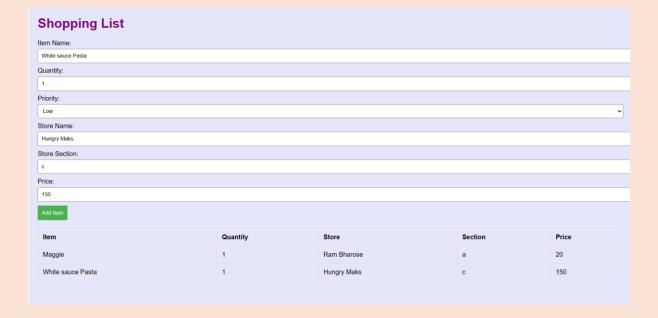
```
            color: white;
            border: none;
            cursor: pointer;
        }

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

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

</head>
<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>

        <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>
```

```html
        <input type="number" id="itemPrice" placeholder="Enter
price">

        <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>
            <!-- Table content will go here -->
        </tbody>
    </table>

    <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;

            saveItemToLocalStorage(itemName, itemQuantity,
itemPriority, storeName, storeSection, itemPrice);
            addRowToTable(itemName, itemQuantity, storeName,
storeSection, itemPrice);
        }

        function saveItemToLocalStorage(name, quantity, priority,
store, section, price) {
            var items =
JSON.parse(localStorage.getItem('shoppingList')) || [];
            items.push({
                name: name,
                quantity: quantity,
```

```
                priority: priority,
                store: store,
                section: section,
                price: price
            });
            localStorage.setItem('shoppingList',
JSON.stringify(items));
        }

        function addRowToTable(name, quantity, store, section,
price) {
            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 = name;
            cell2.innerHTML = quantity;
            cell3.innerHTML = store;
            cell4.innerHTML = section;
            cell5.innerHTML = price;
        }

        window.onload = function () {
            var storedItems =
JSON.parse(localStorage.getItem('shoppingList')) || [];
            for (var i = 0; i < storedItems.length; i++) {
                addRowToTable(storedItems[i].name,
storedItems[i].quantity, storedItems[i].store,
storedItems[i].section, storedItems[i].price);
            }
        };
    </script>

</body>
</html>
```

Shopping List

Item Name:

White sauce Pasta

Quantity:

1

Priority:

Low

Store Name:

Hungry Maks

Store Section:

c

Price:

150

Add Item

Item	Quantity	Store	Section	Price
Maggie	1	Ram Bharose	a	20
White sauce Pasta	1	Hungry Maks	c	150

2.

```html
<!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;
            background-color: lavender;
```

```css
}

h1 {
    color: purple;
}

form {
    margin-bottom: 20px;
}

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

input, select {
    margin-bottom: 10px;
    padding: 8px;
    width: 100%;
}

button {
```

```css
            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>

</head>
<body>
```

```html
<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>


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

```html
        <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>

    <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>


    <p id="accessCounter">Number of times accessed:
0</p>


    <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;
```

```javascript
            var itemPrice =
document.getElementById("itemPrice").value;


            saveItemToLocalStorage(itemName,
itemQuantity, itemPriority, storeName,
storeSection, itemPrice);

            addRowToTable(itemName, itemQuantity,
storeName, storeSection, itemPrice);

            updateAccessCounter();
        }


        function saveItemToLocalStorage(name,
quantity, priority, store, section, price) {
            var items =
JSON.parse(localStorage.getItem('shoppingList')) ||
[];

            items.push({
                name: name,

                quantity: quantity,

                priority: priority,

                store: store,

                section: section,
```

```
            price: price
        });
        localStorage.setItem('shoppingList',
JSON.stringify(items));
    }


    function addRowToTable(name, quantity,
store, section, price) {
        var table =
document.getElementById("itemList").getElementsByTa
gName('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 = name;
        cell2.innerHTML = quantity;
        cell3.innerHTML = store;
        cell4.innerHTML = section;
```

```javascript
            cell5.innerHTML = price;

        }


        function updateAccessCounter() {

            var accessCount =
localStorage.getItem('accessCount') || 0;

            accessCount++;

            localStorage.setItem('accessCount',
accessCount);

            document.getElementById('accessCounter'
).innerText = 'Number of times accessed: ' +
accessCount;

        }


        window.onload = function () {

            var storedItems =
JSON.parse(localStorage.getItem('shoppingList')) ||
[];

            for (var i = 0; i < storedItems.length;
i++) {
```

```
                addRowToTable(storedItems[i].name,
storedItems[i].quantity, storedItems[i].store,
storedItems[i].section, storedItems[i].price);
            }

            updateAccessCounter();
        };
    </script>


</body>

</html>
```

Shopping List

Item Name:

[Enter item name]

Quantity:

[1]

Priority:

[Low ▾]

Store Name:

[Enter store name]

Store Section:

[Enter store section]

Price:

[Enter price]

[Add Item]

Item	Quantity	Store	Section	Price
Maggie	1	Ram Bharose	a	20
White sauce Pasta	1	Hungry Maks	c	150
Pizza	5	Dominos	ab	2000

Number of times accessed: 12