

# LAB ASSIGNMENT

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**ROLL NO: 22CS3046**

**Develop prototype 3 continuing with the last lab. Confirm that the app now remembers your list even after a page refresh.**

## **Soltution:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>YOUR SHOPPING MARKET</title>

  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
      background-color: rgb(251, 251, 251);
    }

    h1 {
      color: #2ad41e;
    }

    form {
      margin-bottom: 20px;
```

```

        color: rgba(14, 208, 37, 0.784);
    }

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

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

    button {
        padding: 10px;
        background-color: #4CAF50;
        color: rgb(4, 87, 34);
        border: none;
        cursor: pointer;
    }

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

    th, td {
        border: 1px solid #06ec3cbc;
        padding: 12px;
        text-align: left;
    }
}
</style>

</head>
<body>

<h1>YOUR SHOPPING MARKET</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>
<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>

```

**YOUR SHOPPING MARKET**

Item Name:  
Brinjal

Quantity:  
5

Priority:  
High  
Low  
Medium  
High

Store Section:  
Middle section A

Price:  
20

Add Item

Item	Quantity	Store	Section	Price
Carrot	10	Sabji Mandi	Middle section A	20
Brinjal	5	Sabji Mandi	Middle section A	20

Create a local storage that saves the number of times you have accessed the page and displays it.

## Solution

This is added function in the previous code

```
// Function to update and display page access count
function updatePageAccessCount() {
  // Check if 'pageAccessCount' key exists in local storage
  if (localStorage.getItem('pageAccessCount')) {
    // If exists, increment the count
    let pageAccessCount = parseInt(localStorage.getItem('pageAccessCount')) +
1;

    localStorage.setItem('pageAccessCount', pageAccessCount);
    // Display the updated count
```

```

        document.body.innerHTML += `<p>You have accessed this page
${pageAccessCount} times.</p>`;
    } else {
        // If doesn't exist, initialize with count 1
        localStorage.setItem('pageAccessCount', 1);
        // Display the initial count
        document.body.innerHTML += `<p>This is your first time accessing the
page.</p>`;
    }
}

// Call the function on page load
window.onload = updatePageAccessCount;

```

Error

You are signed in as 22cs3046

You are signed in as 22cs3046

MSN India | Breaking News, Enter

YOUR SHOPPING MARKET

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## YOUR SHOPPING MARKET

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
This is your first time accessing the page.				

Type here to search

26°C Haze

4:56 PM

2/27/2024

Error

You are signed in as 22cs3046 x

You are signed in as 22cs3046 x

MSN India | Breaking News, Entert... x

YOUR SHOPPING MARKET x

+

127.0.0.1:5500/web%20lab.html

YOUR SHOPPING MARKET

Item Name:

waffle

Quantity:

2

Priority:

High

Store Name:

waffle cravers

Store Section:

SEc A

Price:

150

Add Item

Item	Quantity	Store	Section	Price
waffle	2	waffle cravers	SEc A	150

You have accessed this page 2 times.

Type here to search

Taskbar icons: File Explorer, Edge, VS Code, etc.

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