Lab Assignment 7

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Q1.
```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: 0;
            padding: 0;
        }
        h1 {
            text-align: center;
        }
        input[type="text"] {
            width: 70%;
            padding: 10px;
            margin: 10px;
            box-sizing: border-box;
        }
        button {
            padding: 10px 20px;
            margin: 10px;
            background-color: #4CAF50;
            color: white;
            border: none;
            cursor: pointer;
        }
        button:hover {
            background-color: #45a049;
```

```css
        }
        ul {
            list-style-type: none;
            padding: 0;
            margin: 0;
        }
        li {
            padding: 10px;
            margin: 5px;
            background-color: #f2f2f2;
        }
    </style>
</head>
```
```html
<body>
    <h1>Shopping List</h1>
    <input type="text" id="item" placeholder="Enter item">
    <button onclick="addItemController()">Add Item</button>
    <ul id="list"></ul>

    <script>
        var shoppingList = [];

        function addItem(item) {
            shoppingList.push(item);
            saveToStorage();
            displayShoppingList();
        }

        function getShoppingList() {
            return shoppingList;
        }
        function saveToStorage() {
            localStorage.setItem('shoppingList', JSON.stringify(shoppingList));
        }

        function loadFromStorage() {
            var storedList = localStorage.getItem('shoppingList');
```

```javascript
            if (storedList) {
                shoppingList = JSON.parse(storedList);
            }
        }

        function displayShoppingList() {
            var list = document.getElementById('list');
            list.innerHTML = '';

            var items = getShoppingList();
            items.forEach(function(item) {
                var li = document.createElement('li');
                li.appendChild(document.createTextNode(item));
                list.appendChild(li);
            });
        }

        function addItemController() {
            var itemInput = document.getElementById('item');
            var itemValue = itemInput.value.trim();

            if (itemValue !== '') {
                addItem(itemValue);
                itemInput.value = '';
            } else {
                alert('Please enter an item!');
            }
        }

        window.onload = function() {
            loadFromStorage();
            displayShoppingList();
        }
    </script>
</body>
</html>
```
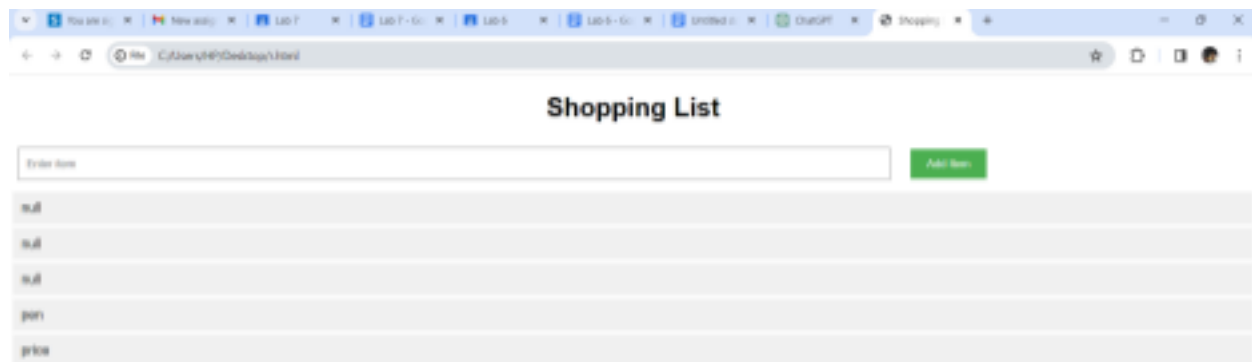
Shopping List

Enter item	Add Item
null	
null	
null	
pen	
price	

Q2. <!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: 0;
            padding: 0;
        }
        h1 {
            text-align: center;
        }
        input[type="text"] {
            width: 70%;
            padding: 10px;
            margin: 10px;
            box-sizing: border-box;
        }
        button {

```css
        padding: 10px 20px;
        margin: 10px;
        background-color:
        #4CAF50; color: white;
        border: none;
        cursor: pointer;
    }
    button:hover {
        background-color: #45a049;
    }
    ul {
        list-style-type: none;
        padding: 0;
        margin: 0;
    }
    li {
        padding: 10px;
        margin: 5px;
        background-color: #f2f2f2;
    }
    </style>
</head>
<body>
    <h1>Shopping List</h1>
    <p>You have visited this page <span id="visitCount">0</span>
times.</p>
    <input type="text" id="item" placeholder="Enter item">
    <button onclick="addItemController()">Add Item</button>
    <ul id="list"></ul>

    <script>
        var visitCount = localStorage.getItem('visitCount');

        if (!visitCount) {
            visitCount = 0;
        } else {
            visitCount = parseInt(visitCount);
```

```javascript
    }

    visitCount++;
    localStorage.setItem('visitCount', visitCount);

    document.getElementById('visitCount').innerText = visitCount;

    var shoppingList = [];

    function addItem(item) {
        shoppingList.push(item);
        saveToStorage();
        displayShoppingList();
    }

    function getShoppingList() {
        return shoppingList;
    }
    function saveToStorage() {
        localStorage.setItem('shoppingList', JSON.stringify(shoppingList));
    }
    function loadFromStorage() {
        var storedList = localStorage.getItem('shoppingList');
        if (storedList) {
            shoppingList = JSON.parse(storedList);
        }
    }

    function displayShoppingList() {
        var list = document.getElementById('list');
        list.innerHTML = '';

        var items = getShoppingList();
        items.forEach(function(item) {
            var li = document.createElement('li');
            li.appendChild(document.createTextNode(item));
            list.appendChild(li);
```
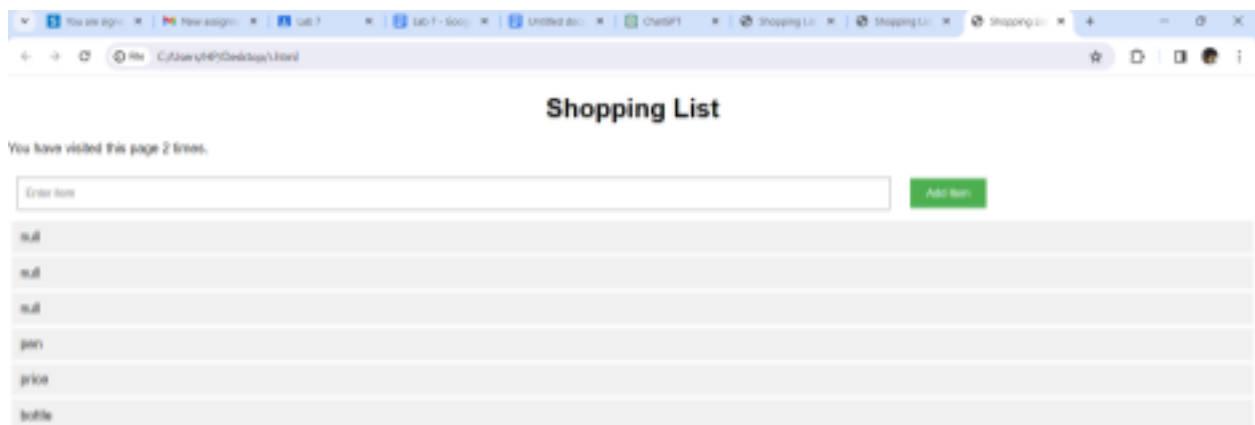
```
        });
      }

    function addItemController() {
        var itemInput = document.getElementById('item');
        var itemValue = itemInput.value.trim();

        if (itemValue !== '') {
          addItem(itemValue);
          itemInput.value = '';
        } else {
          alert('Please enter an item!');
        }
      }
    window.onload = function() {
        loadFromStorage();
        displayShoppingList();
      }
   </script>
</body>
</html>
```

Shopping List

You have visited this page 3 times.

Enter item

Add Item

null

null

null

pen

price

bottle