

Lab Assignment 7

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Q1. <!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;
    }
    ul {
        list-style-type: none;
        padding: 0;
        margin: 0;
    }
    li {
        padding: 10px;
        margin: 5px;
        background-color: #f2f2f2;
    }
</style>
</head>
<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');  
    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);  
    });  
}
```

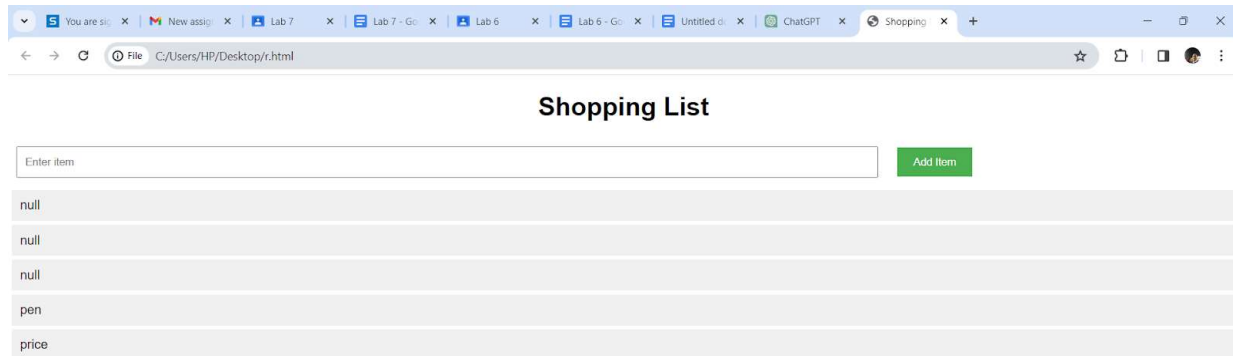
```
function addItemController() {  
    var itemInput = document.getElementById('item');  
    var itemValue = itemInput.value.trim();  
  
    if (itemValue !== "") {  
        addItem(itemValue);  
        itemInput.value = "";  
    } else {  
        alert('Please enter an item!');  
    }  
}
```

```
window.onload = function() {
```

```

        loadFromStorage();
        displayShoppingList();
    }
</script>
</body>
</html>

```



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 {
  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);  
    }  
}
```

```
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 2 times.

Enter item Add Item

null
null
null
pen
price
bottle

Shopping List

You have visited this page 3 times.

Enter item Add Item

null
null
null
pen
price
bottle

Shopping List

You have visited this page 3 times.

Enter item Add Item

null
null
null
pen
price
bottle