Lab - 7

```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>MVC Shopping List</title>
 <style>
 body {
 font-family: Arial, sans-serif;
 }
 #shopping-list {
 margin-top: 20px;
 }
 </style>
</head>
<body>
 <h1>MVC Shopping List</h1>

 <form id="add-item-form">
 <input type="text" id="item" placeholder="Enter item">
 <button type="submit">Add Item</button>
 </form>
 <ul id="shopping-list">
 </ul>
 <script>
 const model = {
 items: [],
 addItem: function(item) {
 this.items.push(item);
 this.saveItems();
 },
 getItems: function() {
 return this.items;
 },
 saveItems: function() {
```

```javascript
localStorage.setItem('shoppingList', JSON.stringify(this.items));
},
loadItems: function() {
const savedItems = localStorage.getItem('shoppingList');
if (savedItems) {
this.items = JSON.parse(savedItems);
}
}
};
const view = {
itemList: document.getElementById('shopping-list'),
render: function() {
this.itemList.innerHTML = '';
const items = controller.getItems();
items.forEach(item => {
const li = document.createElement('li');
li.textContent = item;
this.itemList.appendChild(li);
});
}
};
const controller = {
init: function() {
model.loadItems();
view.render();
this.setupEventListeners();
},
setupEventListeners: function() {
const form = document.getElementById('add-item-form');
form.addEventListener('submit', function(event) {
event.preventDefault();
const itemInput = document.getElementById('item');
const newItemText = itemInput.value.trim();
if (newItemText !== '') {
model.addItem(newItemText);
view.render();
itemInput.value = '';
}
});
},
```
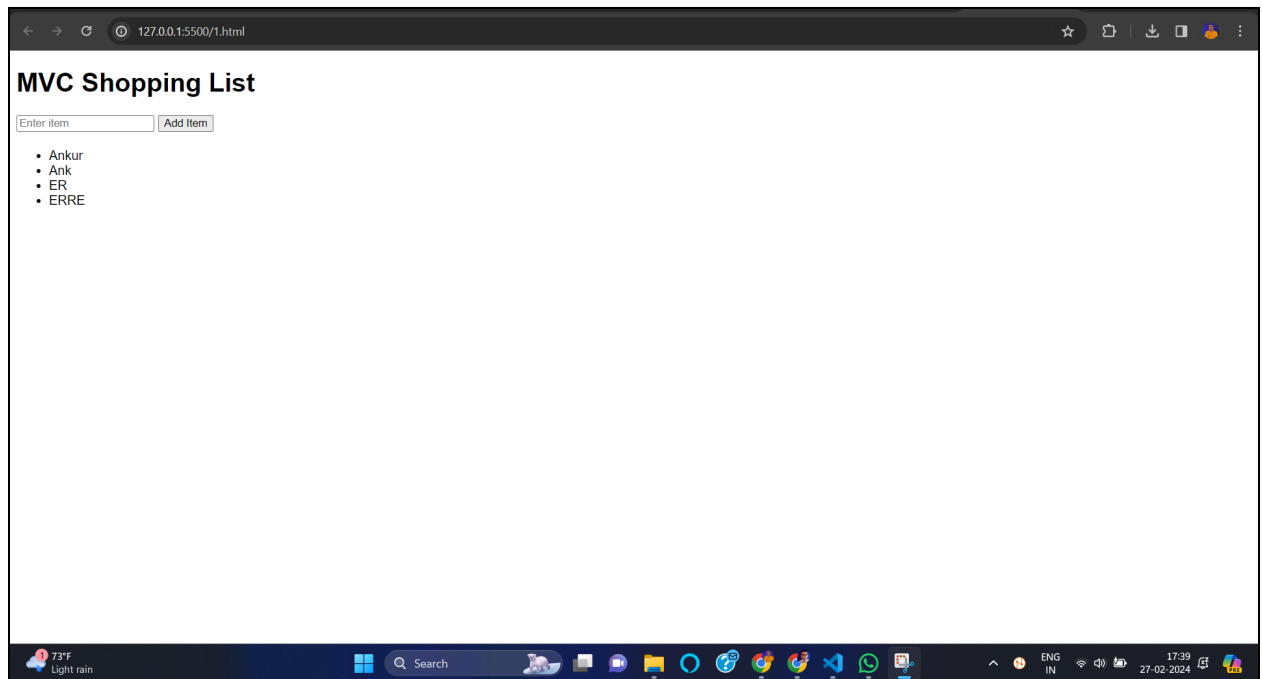
```
getItems: function() {
return model.getItems();
}
};
controller.init();
</script>
</body>
</html>
```



```
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<body>
  <h1>MVC Shopping List</h1>

  <form id="add-item-form">
  <input type="text" id="item" placeholder="Enter item">
  <button type="submit">Add Item</button>
  </form>
  <ul id="shopping-list">
  </ul>
  <p id="visit-count">Number of times visited: <span
id="count">0</span></p>
  <script>
  const model = {
  items: [],
  addItem: function(item) {
  this.items.push(item);
  this.saveItems();
  },
  getItems: function() {
  return this.items;
  },
  saveItems: function() {
  localStorage.setItem('shoppingList', JSON.stringify(this.items));
  },
  loadItems: function() {
  const savedItems = localStorage.getItem('shoppingList');
  if (savedItems) {
  this.items = JSON.parse(savedItems);
  }
  },
  getVisitCount: function() {
  let count = localStorage.getItem('visitCount');
  if (count === null) {
  count = 0;
  } else {
  count = parseInt(count);
```

```javascript
}
return count;
},
incrementVisitCount: function() {
let count = this.getVisitCount();
count++;
localStorage.setItem('visitCount', count);
}
};
const view = {
itemList: document.getElementById('shopping-list'),
visitCountSpan: document.getElementById('count'),
render: function() {
this.itemList.innerHTML = '';
const items = controller.getItems();
items.forEach(item => {
const li = document.createElement('li');
li.textContent = item;
this.itemList.appendChild(li);
});
},
updateVisitCount: function(count) {
this.visitCountSpan.textContent = count;
}
};
const controller = {
init: function() {
model.loadItems(); // Load items from local storage
view.render();
this.setupEventListeners();
this.updateVisitCount();
},
setupEventListeners: function() {
const form = document.getElementById('add-item-form');
form.addEventListener('submit', function(event) {
event.preventDefault();
const itemInput = document.getElementById('item');
const newItemText = itemInput.value.trim();
if (newItemText !== '') {
model.addItem(newItemText);
```

```
    view.render();
    itemInput.value = '';
  }
});
},
updateVisitCount: function() {
const count = model.getVisitCount();
view.updateVisitCount(count);
model.incrementVisitCount();
},
getItems: function() {
return model.getItems();
}
};
controller.init();
</script>
</body>
</html>
```

MVC Shopping List

[Enter item] [Add Item]

- Ankur
- Ank
- ER
- ERRE
- adjc\
- riojg0e
- gverg90\

Number of times visited: 17