LAB ASSIGNMENT-7

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

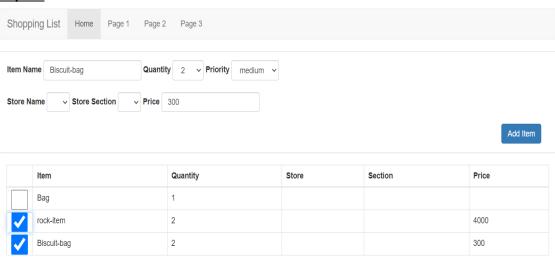
CODE:-

```
♦ lab6.html
                                                             ♦ lab7.html X
💠 lab7.html 🕽 🔗 html 🤊 🖒 ody 🤊 🤡 div.container 🖒 🥯 div.panel.panel-default.col-md-12 🕻 😭 div.panel-body 🖒 @ div.row.form-inline 🕻 🚱 div.form-group 🕻 😭 label
                      var stores = ['Fareway', 'Ace Hardware', 'Caseys', 'The Hatchery', 'Amundsens']
              var sections = ['Produce', 'Meats', 'Cereal', 'Canned Goods', 'Frozen Foods', 'Dairy', 'Liquor', 'Tools', 'Clothing']
              function clickedon() {
                  let rowcolids = ['itemname', 'qty', 'store', 'category', 'price']
                  for (let cid of rowcolids) {
                      vals.push(document.getElementById(cid).value)
                  {\tt makeRow(vals,\ document.getElementById('shopping list'))}
                  saveList();
              function makeRow(valueList, parent) {
                  let row = document.createElement("tr")
                  row.classList.add(document.getElementById("priority").value)
                  let cb = document.createElement("input")
```

```
C 2.c
                                                                ♦ lab7.html X
💠 lab7.html > 🔗 html > 😯 body > 父 div.container > 🤡 div.panel.panel-default.col-md-12 > 🤡 div.panel-body > 🔗 div.row.form-inline > 😭 div.form-group > 🤡 label
               function makeRow(valueList, parent) {
                   let row = document.createElement("tr")
                   row.classList.add(document.getElementById("priority").value)
                   let cb = document.createElement("input")
                   cb.type = "checkbox"
                   cb.classList.add("form-control")
                   row.appendChild(cb)
                   for (let val of valueList) {
                       let td = document.createElement("td")
                       td.innerHTML = val
                       row.appendChild(td)
                   parent.appendChild(row)
               function populateSelect(selectId, sList) {
                   let sel = document.getElementById(selectId)
                   for (let s of sList) {
                       let opt = document.createElement("option")
                       opt.value = s
                       opt.innerHTML = s
                       sel.appendChild(opt)
               function saveList() {
                   let table = document.getElementById('shoppinglist');
                   let items = [];
```

```
| Solution | Solution
```

Output:-



MVC Shopping List with localStorage

Enter item	Add Item
------------	----------

Items:

- rrr
- · nine pointer
- sudhanshu

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

Code:-

```
| ab7.html | ... |
| clDCTYPE html | chtml | lang="en" | chtml | chtml
```

```
class Model {
    constructor() {
        this.items = JSON.parse(localStorage.getItem('shoppingList')) || [];
        this.accessCount = localStorage.getItem('accessCount') || 0;

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

        addItem(item) {
        this.items.push(item);
        this.save();
        }

        getItems() {
        return this.items;
        }

        save() {
        localStorage.setItem('shoppingList', JSON.stringify(this.items));
        }

        incrementAccessCount() {
        this.accessCount++;
        localStorage.setItem('accessCount', this.accessCount);
        }

        getAccessCount() {
            return this.accessCount;
        }

        getAccessCount() {
            return this.accessCount;
        }

        return this.accessCount;
    }
}
```

```
class View {
    this.itemsList = document.getElementById('items');
    this.itemInput = document.getElementById('item');
   this.addItemBtn = document.getElementById('addItemBtn');
   this.pageAccessCount = document.getElementById('pageAccessCount');
 getNewItem() {
  return this.itemInput.value.trim();
 clearInput() {
  this.itemInput.value = '';
 renderItems(items) {
  this.itemsList.innerHTML = '';
   items.forEach(item => {
      const li = document.createElement('li');
      li.textContent = item;
     this.itemsList.appendChild(li);
  renderAccessCount(count) {
   this.pageAccessCount.textContent = count;
```

```
constructor(model, view) {
    this.model = model;
    this.view = view;
    this.view.addItemBtn.addEventListener('click', () => this.addItem());
   this.initialRender();
  initialRender() {
    this.view.renderItems(this.model.getItems());
    this.view.renderAccessCount(this.model.getAccessCount());
    this.model.incrementAccessCount();
  addItem() {
   const newItem = this.view.getNewItem();
      this.model.addItem(newItem);
      this.view.renderItems(this.model.getItems());
      this.view.clearInput();
const model = new Model();
const view = new View();
const controller = new Controller(model, view);
```

Output:-

Shopping List

Enter item	Add Item
------------	----------

You have accessed this page 1 times.

Shopping List

car

truck

You have accessed this page 4 times.