

LAB -6

Name - Utkarsh Raj

Roll -22CS2024

Develop a single page application for Shopping List. First develop a simple prototype using html and javascript. Gradually develop a MVC based prototype.

HTML :

```
<!DOCTYPE html>
<html>
<head>
  <title>Shopping List</title>
  <style>
    body{
      background-image: url('background.png');
      background-size: cover;
    }
    input{
      font-size: 20px;
    }
    button{
      font-size: 15px;
      border-radius: 4px;
      padding: 5px 10px;
      margin:10px;
    }
    #item-list{
      font-size:20px;
      margin:10px;
    }
  </style>
</head>
<body>
  <h1>Shopping List</h1>
  <form id="add-item-form">
    <input type="text" id="new-item" placeholder="Add an item...">
```

```
    <button type="submit">Add</button>
  </form>
  <ol id="item-list"></ol>
  <script src="script.js"></script>
</body>
</html>
```

JavaScript :

```
const form = document.getElementById('add-item-form');
const itemList = document.getElementById('item-list');

let items = [];

form.addEventListener('submit', (e) => {
  e.preventDefault();
  const newItem = document.getElementById('new-item').value;
  items.push(newItem);
  renderItems();
});

function renderItems() {
  itemList.innerHTML = '';
  items.forEach((item, index) => {
    itemList.innerHTML += `<li>${item} <button
onclick="removeItem(${index})">Remove</button></li>`;
  });
}

function removeItem(index) {
  items.splice(index, 1);
  renderItems();
}
```

Shopping List

Add

1. Apple

Remove
2. Milk

Remove
3. Flour

Remove

