**WEB DEVELOPMENT LAB-6**

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BRANCH - INFORMATION TECHNOLOGY

QUESTION:- Develop a single page application for Shopping List. First develop a simple prototype

using html and javascript. Gradually develop a MVC based prototype.

CODE:- <!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>

</head>

<style>

body {

font-family: Arial, sans-serif;

}

.navbar {

display: flex;

justify-content: space-between;

align-items: center;

background-color: #333;

color: #fff;

padding: 10px 20px;

}

.logo {

font-size: 20px;

font-weight: bold;

}

.menu-toggle {

display: none;

cursor: pointer;

}

.hamburger-menu {

display: none;

cursor: pointer;

}

.hamburger-menu div {

width: 30px;

height: 3px;

background-color: #fff;

margin: 5px;

}

.line {

width: 25px;

height: 3px;

background-color: #fff;

margin: 5px;

}

.menu {

display: flex;

list-style: none;

}

.menu li {

margin-right: 20px;

}

.menu a {

color: #fff;

text-decoration: none;

}

.container {

max-width: 800px;

margin: 0 auto;

padding: 20px;

}

.search-container {

margin-bottom: 20px;

}

.items {

display: flex;

flex-wrap: wrap;

justify-content: space-around;

}

.item {

margin: 10px;

padding: 10px;

border: 1px solid #ccc;

border-radius: 5px;

width: 200px;

transition: transform 0.3s ease-in-out;

}

.item:hover {

transform: scale(1.05);

}

.item-img {

width: 100%;

max-height: 150px;

object-fit: cover;

border-radius: 5px;

}

.item-desc {

font-size: 14px;

margin-top: 10px;

text-align: center;

}

.add-to-cart-btn {

margin-top: 10px;

padding: 5px 10px;

background-color: #333;

color: #fff;

border: none;

border-radius: 5px;

cursor: pointer;

transition: background-color 0.3s;

}

.add-to-cart-btn:hover {

background-color: #555;

}

.cart {

display: none;

width: 200px;

border: 1px solid #ccc;

border-radius: 5px;

padding: 10px;

position: fixed;

top: 50px;

right: 20px;

background-color: #fff;

}

.cart h2 {

margin-bottom: 10px;

}

.cart ul {

padding: 0;

}

.cart-item {

list-style: none;

margin-bottom: 5px;

}

</style>

<body>

<div class="navbar">

<div class="logo">Shopping List</div>

<div class="menu-toggle" onclick="toggleMenu()">

<div class="line"></div>

<div class="line"></div>

<div class="line"></div>

</div>

<div class="hamburger-menu" onclick="toggleMenu()">

<div></div>

<div></div>

<div></div>

</div>

<ul class="menu">

<li><a href="#">Home</a></li>

<li><a href="#">Products</a></li>

<li><a href="#">Contact</a></li>

</ul>

</div>

<div class="container">

<h1>Adit's List</h1>

<div class="search-container">

<input type="text" id="search" placeholder="Search items">

<button onclick="filterItems()">Filter</button>

</div>

<div class="items">

<div class="item">

<img src="omg (1).jpg" alt="Item 1" class="item-img">

<p class="item-desc">camera 1</p>

<button class="add-to-cart-btn" onclick="addToCart(this)">Add to Cart</button>

</div>

<div class="item">

<img src="omg (2).jpg" alt="Item 2" class="item-img">

<p class="item-desc">camera 2</p>

<button class="add-to-cart-btn" onclick="addToCart(this)">Add to Cart</button>

</div>

<div class="item">

<img src="omg (3).jpg" alt="Item 3" class="item-img">

<p class="item-desc">camera 3</p>

<button class="add-to-cart-btn" onclick="addToCart(this)">Add to Cart</button>

</div>

<div class="item">

<img src="omg (4).jpg" alt="Item 4" class="item-img">

<p class="item-desc">cam 4</p>

<button class="add-to-cart-btn" onclick="addToCart(this)">Add to Cart</button>

</div>

<div class="item">

<img src="omg (5).jpg" alt="Item 5" class="item-img">

<p class="item-desc">camera 5</p>

<button class="add-to-cart-btn" onclick="addToCart(this)">Add to Cart</button>

</div>

<div class="item">

<img src="omg (6).jpg" alt="Item 6" class="item-img">

<p class="item-desc">camera 6</p>

<button class="add-to-cart-btn" onclick="addToCart(this)">Add to Cart</button>

</div>

</div>

</div>

<div class="cart">

<h2>Cart</h2>

<ul id="cart-items">

</ul>

</div>

<script > function toggleMenu() {

const menu = document.querySelector('.menu');

menu.style.display = menu.style.display === 'none' ? 'flex' : 'none';

}

function filterItems() {

const searchValue = document.getElementById('search').value.toLowerCase();

const items = document.querySelectorAll('.item');

items.forEach(item => {

const description = item.querySelector('.item-desc').textContent.toLowerCase();

if (description.includes(searchValue)) {

item.style.display = 'block';

} else {

item.style.display = 'none';

}

});

}

function addToCart(button) {

const item = button.parentElement;

const itemDesc = item.querySelector('.item-desc').textContent;

const cartItems = document.getElementById('cart-items');

const newItem = document.createElement('li');

newItem.textContent = itemDesc;

newItem.classList.add('cart-item');

cartItems.appendChild(newItem);

showCart();

}

function showCart() {

const cart = document.querySelector('.cart');

cart.style.display = 'block';

}</script>

</body>

</html>

OUTPUT:- 