

FSD Lab Exam 2547159

Index.html

```
<!DOCTYPE html>

<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
    <title>E-Shop Explorer</title>
    <script src="tailwind.css"></script>
    <script src="https://cdn.tailwindcss.com"></script>
    <!-- <script
src="https://cdn.jsdelivr.net/npm/tailwindcss@4" -->
    <!-- font awesome -->
    <link
      rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome
/6.4.0/css/all.min.css"
    />
    <link rel="stylesheet" href="fontawesome.css" />
    <!-- <script src="font-awesome.min.css"></script> -->
    <link rel="stylesheet" href="font-awesome.min.css" />
    <script src="script.js"></script>
```



```
><i class="fas fa-envelope"></i> Contact</a>
      >
    </li>
  </ul>
</nav>
</header>

<!-- Hero Section --&gt;
&lt;section
  class="relative flex items-center justify-center h-64 sm:h-80 md:h-96 bg-cover bg-center "
  style='background-image:
url("https://img.freepik.com/free-photo/two-beautiful-women-shopping-town_1303-16431.jpg?semt=ais_hybrid&amp;w=740");'&gt;
  &lt;div class="bg-black bg-opacity-50 p-6 rounded-lg text-center"&gt;
    &lt;h1 class="text-3xl sm:text-4xl md:text-5xl font-bold text-white mb-2 "&gt;Welcome to E-Shop Explorer&lt;/h1&gt;
    &lt;p class="text-white text-lg"&gt;Discover top products and exclusive deals!&lt;/p&gt;
  &lt;/div&gt;
&lt;/section&gt;

<!-- Media Section --&gt;
&lt;main class="container bg-blue-100 mx-auto px-4 py-6 flex flex-col gap-8"&gt;</pre>
```

```
<!-- Video -->
<div class="flex-1">
  <h2 class="text-xl font-semibold mb-2">Store
  Introduction</h2>
  <video
    controls
    class="w-full rounded shadow"
    poster="https://images.unsplash.com/photo-1515168833906-d
    2a3b82b302b?auto=format&fit=crop&w=400&q=80"
  >
    <source src="Set1 Video.mp4" type="video/mp4" />
    <track
      src="sub.vtt"
      kind="subtitles"
      srclang="en"
      label="English"
      default
    />
    Your browser does not support the video tag.
  </video>
</div>
<!-- Audio -->
<div class="flex-1 flex flex-col justify-center">
  <h2 class="text-xl font-semibold mb-2">Featured
  Product Audio</h2>
  <audio controls class="w-full">
    <source src="Set1 Audio.mp3" type="audio/mp3" />
```

```
Your browser does not support the audio element.

        </audio>

    </div>

</main>

<!-- Interest Form -->
<section id="contact" class="container mx-auto px-4 py-6">
    <h2 class="text-2xl font-semibold mb-4">Express Your Interest</h2>

    <form
        id="interestForm"
        class="bg-white rounded-lg shadow p-6 max-w-lg mx-auto flex flex-col gap-4"
    >

        <div>
            <label for="name" class="block text-gray-700 font-medium mb-1">
                >Name</label>
            >
            <input
                type="text"
                id="name"
                name="name"
                required
                class="w-full px-4 py-2 border border-gray-300 rounded focus:outline-none focus:ring-2 focus:ring-blue-400 transition"
                placeholder="Your Name"
            >
        </div>
    </form>
</section>
```

```
        />
    </div>
    <div>
        <label for="email" class="block text-gray-700
font-medium mb-1">
            Email</label>
        >
        <input
            type="email"
            id="email"
            name="email"
            required
            class="w-full px-4 py-2 border border-gray-300
rounded focus:outline-none focus:ring-2
focus:ring-blue-400 transition"
            placeholder="you@email.com"
        />
    </div>
    <div>
        <label for="product" class="block text-gray-700
font-medium mb-1">
            Product Interested In</label>
        >
        <input
            type="text"
            id="product"
            name="product"
            required
        />
    </div>

```

```
        class="w-full px-4 py-2 border border-gray-300 rounded focus:outline-none focus:ring-2 focus:ring-blue-400 transition"
          placeholder="Product Name"
        />
      </div>
      <button
        type="submit"
        class="bg-blue-600 text-white font-semibold py-2 px-4 rounded hover:bg-blue-700 transition">
        Submit
      </button>
    </form>
  </section>

  <!-- Product Display Section -->
  <section id="products" class="container mx-auto px-4 py-6">
    <h2 class="text-2xl font-semibold mb-4">Top Products</h2>
    <div class="flex flex-col sm:flex-row sm:items-center gap-4 mb-4">
      <input
        id="searchBox"
        type="text"
        placeholder="Search products..."
```

```
        class="flex-1 px-4 py-2 border border-gray-300 rounded focus:outline-none focus:ring-2 focus:ring-blue-400 transition"
      />
      <button
        id="searchBtn"
        class="bg-blue-600 text-white font-semibold py-2 px-4 rounded hover:bg-blue-700 transition"
      >
        Search
      </button>
      <select
        id="sortDropdown"
        class="px-4 py-2 border border-gray-300 rounded focus:outline-none focus:ring-2 focus:ring-blue-400 transition"
      >
        <option value="">Sort by Price</option>
        <option value="low">Low to High</option>
        <option value="high">High to Low</option>
      </select>
    </div>
    <div
      id="productGrid"
      class="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-4 gap-6"
    ></div>
  </section>
```

```

<footer
    class="width-100 bg-blue-600 text-white flex
justify-center items-center p-2"
>
    <p>&copy; Daniel Paul regnum-2547159 </p>
</footer>
</body>
</html>

```

script.js

```

// E-Shop Explorer Dynamic Functionality

document.addEventListener('DOMContentLoaded', () => {
    // Elements
    const productGrid =
        document.getElementById('productGrid');
    const searchBox =
        document.getElementById('searchBox');
    const searchBtn =
        document.getElementById('searchBtn');
    const sortDropdown =
        document.getElementById('sortDropdown');
    const interestForm =
        document.getElementById('interestForm');
    const nameInput = document.getElementById('name');
    const emailInput = document.getElementById('email');

```

```
const productInput =
document.getElementById('product');

const contactSection =
document.getElementById('contact');

const productsSection =
document.getElementById('products');

let allProducts = [];
let filteredProducts = [];

// --- GREETING FROM STORAGE ---
function greetUser() {
    const storedName =
localStorage.getItem('eshop_name') ||
sessionStorage.getItem('eshop_name');

    const storedProduct =
localStorage.getItem('eshop_product') ||
sessionStorage.getItem('eshop_product');

    if (storedName && storedProduct) {
        const greetDiv =
document.createElement('div');

        greetDiv.className = 'bg-green-100
text-green-800 p-4 rounded mb-4 text-center';
        greetDiv.textContent = `Welcome back,
${storedName}! You were interested in ${storedProduct}.`;

        contactSection.insertBefore(greetDiv,
contactSection.firstChild);

    }
}
```

```
}

greetUser();

// --- GEOLOCATION ---

function showLocation() {
    if ('geolocation' in navigator) {
        navigator.geolocation.getCurrentPosition(
            (pos) => {
                const { latitude, longitude } =
pos.coords;
                const locDiv =
document.createElement('div');
                locDiv.className = 'bg-blue-100
text-blue-800 p-2 rounded mb-4 text-center';
                locDiv.textContent = `Your location:
Latitude ${latitude.toFixed(4)}, Longitude
${longitude.toFixed(4)} `;
                document.body.insertBefore(locDiv,
document.body.firstChild);
            },
            (err) => {
                // Permission denied or error
            }
        );
    }
    showLocation();
}
```

```
// --- FETCH PRODUCTS ---

async function fetchProducts() {
    try {
        const res = await
fetch('https://fakestoreapi.com/products');
        const data = await res.json();
        allProducts = data.slice(0, 8);
        filteredProducts = [...allProducts];
        renderProducts(filteredProducts);
    } catch (e) {
        productGrid.innerHTML = '<div
class="col-span-4 text-red-600">Failed to load
products.</div>';
    }
}

function renderProducts(products) {
    if (!products.length) {
        productGrid.innerHTML = '<div
class="col-span-4 text-gray-500">No products
found.</div>';
        return;
    }
    productGrid.innerHTML = products.map(prod => `

<div class="flex flex-col items-center
bg-white rounded-lg shadow p-4 transition
hover:shadow-lg">
```

```
          
            <h3 class="font-semibold text-center  
text-gray-800 text-sm mb-1">${prod.title}</h3>  
            <p class="text-blue-600 font-bold  
mb-2">${prod.price}</p>  
        </div>  
    `).join('');  
}  
  
// --- SEARCH ---  
function handleSearch() {  
    const query =  
searchBox.value.trim().toLowerCase();  
    filteredProducts = allProducts.filter(prod =>  
prod.title.toLowerCase().includes(query));  
    handleSort(); // sort after filtering  
}  
  
// Real-time search as you type  
searchBox.addEventListener('input', handleSearch);  
  
// Keep button click for accessibility  
searchBtn.addEventListener('click', handleSearch);  
  
// --- SORT ---  
function handleSort() {  
    const sortVal = sortDropdown.value;
```

```
let prods = [...filteredProducts];

if (sortVal === 'low') {
    prods.sort((a, b) => a.price - b.price);
} else if (sortVal === 'high') {
    prods.sort((a, b) => b.price - a.price);
}

renderProducts(prods);

}

sortDropdown.addEventListener('change', handleSort);

// --- FORM VALIDATION & STORAGE ---
interestForm.addEventListener('submit', (e) => {
    e.preventDefault();
    // Simple validation
    if (!nameInput.value.trim() ||
!emailInput.value.trim() || !productInput.value.trim()) {
        alert('Please fill in all fields.');
        return;
    }
    // Store in localStorage (or sessionStorage)
    localStorage.setItem('eshop_name',
nameInput.value.trim());
    localStorage.setItem('eshop_product',
productInput.value.trim());
    alert('Thank you for your interest!');
    interestForm.reset();
    // Optionally, show greeting immediately
    greetUser();
})
```

```
} ) ;  
  
    // --- INITIAL FETCH ---  
  
    fetchProducts();  
  
} ) ;
```

S Product Search & Sort | CIA 2 - SET 1 | E-Shop Explorer | shopping images 4k - Google Se | Shopping Photos - Download Free | +
127.0.0.1:5500/index.html#

E-Shop Explorer

Home Products Contact

Search products... Sort by Price

 Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops \$109.95	 Mens Casual Premium Slim Fit T-Shirts \$22.3	 Mens Cotton Jacket \$55.99	 Mens Casual Slim Fit \$15.99
 John Hardy Women's Legends Naga Gold & Silver Dragon Station Chain Bracelet \$695	 Solid Gold Petite Micropave \$168	 White Gold Plated Princess \$9.99	 Pierced Owl Rose Gold Plated Stainless Steel Double \$10.99

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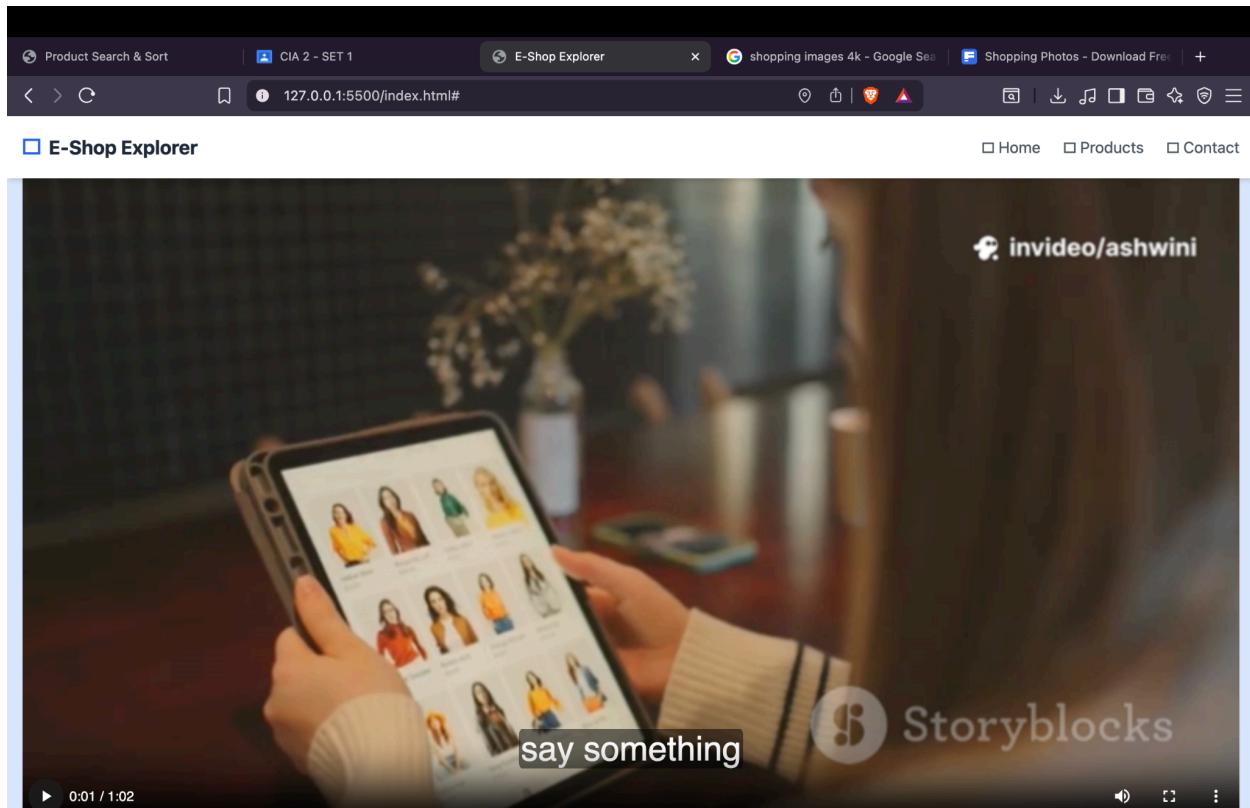
< > ⌛ 127.0.0.1:5500/index.html# Your location: Latitude 12.9339, Longitude 77.6057

E-Shop Explorer Home Products Contact



Welcome to E-Shop Explorer
Discover top products and exclusive deals!

Store Introduction



Product Search & Sort | CIA 2 - SET 1 | E-Shop Explorer | shopping images 4k - Google Se | Shopping Photos - Download Free | +

127.0.0.1:5500/index.html#

E-Shop Explorer Home Products Contact

Featured Product Audio

0:00 / 0:28

Welcome back, dan! You were interested in shoes.

Express Your Interest

Name
Your Name

Email
you@email.com

Product Interested In
Product Name

Submit

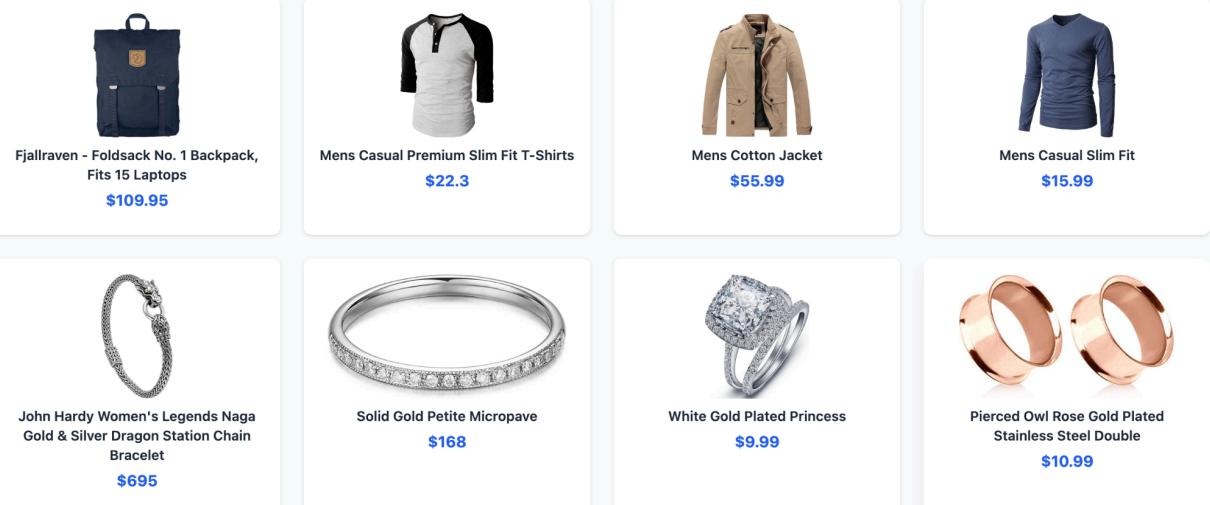
A screenshot of a web page titled "E-Shop Explorer". At the top, there is a navigation bar with links for "Home", "Products", and "Contact". Below this, there is a section titled "Featured Product Audio" with a play button and a progress bar showing "0:00 / 0:28". A green banner below the audio player contains the text "Welcome back, dan! You were interested in shoes.". Underneath this, there is a form titled "Express Your Interest" with fields for "Name" (containing "Your Name"), "Email" (containing "you@email.com"), and "Product Interested In" (containing "Product Name"). A blue "Submit" button is located at the bottom of the form.

Screenshot of a browser window showing the "E-Shop Explorer" page at 127.0.0.1:5500/index.html#. The page has a dark header with tabs for Product Search & Sort, CIA 2 - SET 1, E-Shop Explorer, shopping images 4k - Google Se, Shopping Photos - Download Free, and a plus sign. Below the header is a navigation bar with Home, Products, and Contact links.

E-Shop Explorer

Top Products

Search products...



Screenshot of a browser window showing the "E-Shop Explorer" page at 127.0.0.1:5500/index.html#. The layout is identical to the first screenshot, featuring the same header, navigation bar, and search functionality.

E-Shop Explorer

Search products...

