**Index.html**

<!DOCTYPE html>﻿<html lang="en">﻿<head>﻿    <meta charset="UTF-8">﻿    <meta name="viewport" content="width=device-width, initial-scale=1.0">﻿    <title>Product Catalogue with Filters</title>﻿    <link rel="stylesheet" href="style.css">﻿</head>﻿<body>﻿    <header>﻿        <h1>Dynamic Product Catalogue</h1>﻿    </header>﻿    <main class="container">﻿﻿        <aside class="sidebar">﻿            <h2>Filter Products</h2>﻿            <div class="filter-group">﻿                <h3>Category</h3>﻿                <label><input type="checkbox" data-filter="category" value="Electronics"> Electronics (3)</label>﻿                <label><input type="checkbox" data-filter="category" value="Apparel"> Apparel (3)</label>﻿                <label><input type="checkbox" data-filter="category" value="Books"> Books (2)</label>﻿            </div>﻿﻿            <div class="filter-group">﻿                <h3>Price Max</h3>﻿                <input type="range" id="price-range" min="10" max="500" value="500">﻿                <p>Max Price: $<span id="price-value">500</span></p>﻿            </div>﻿            <div class="filter-group">﻿                <h3>In Stock</h3>﻿                <label><input type="checkbox" id="in-stock-filter"> Show Only In Stock</label>﻿            </div>﻿            <button onclick="clearAllFilters()">Clear All Filters</button>﻿        </aside>﻿        <section class="product-grid" id="product-grid">﻿            <p id="loading-message">Loading products...</p>﻿        </section>﻿    </main>﻿    <script src="script.js"></script>﻿</body>﻿</html>