

Project 2: Web Shop

Required Features

Product List (Initially Empty, Filled via User Input)

- Users will add products through a **form** instead of hardcoding them in JavaScript.
- Products must be stored in an **array** and displayed dynamically.

New Product Form

- Users can **add their own products** to the shop.
- Form fields:
 - **Product Name** (required)
 - **Price** (must be a number, required)
 - **Description** (optional)
 - **Image URL** (optional, default placeholder if empty)
- When the user submits the form:
 - The product **is added to the product list dynamically**.
 - The form **clears itself** after submission.
 - Basic **validation** ensures required fields are filled.
- Use **jQuery** to **handle form submission and updates**.

Product Details Toggle

- Each product has a **"View Details"** button.
- Clicking it expands/collapses additional information.
- Use **jQuery animations** (`slideToggle()` or `fadeToggle()`).

Search Bar (Live Filtering)

- Filters products **as the user types**.
- Use `.keyup()` + `.filter()`.

Add to Cart Functionality

- Clicking "Add to Cart" updates a **cart counter**.
- Cart summary lists **items and total price**.
- Use `.text()` to update UI dynamically.

Remove & Clear Cart Options

- "Remove" button to delete **individual items**.
- "Clear Cart" button to reset everything.

✓ Responsive Design & Basic Validations

- The web shop should be **mobile-friendly**.
- Basic CSS for **flexible grid layout**.
- **Form validation**: Prevent empty fields and enforce correct price formatting.
- Use **jQuery validation** or simple JavaScript checks.

Example solution:

Product Web Shop

Add a New Product

<input type="text" value="Product Name"/>	<input type="text" value="Price"/>	<input type="text" value="Image URL (optional)"/>	<input type="text" value="Description"/>	<input type="button" value="Add Product"/>
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Search Products

Products

Ball - \$23



This is a ball

Bike - \$333



Shopping Cart

Items in Cart: 0

Total Price: \$0