

# Project 2: Web Shop

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## 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** into **localStorage** 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 (into localStorage) 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**.
- Added products name is shown in cart
- Use `.text()` to update UI dynamically.

### Clear Cart Options

- "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.
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**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

### Bike - \$300

[View Details](#)

A bicycle

### Football - \$10

[View Details](#)

## Shopping Cart

Items in Cart: 2

Total Price: \$310.00

- Bike - \$300
- Football - \$10