**🛍️ Problem Statement: Interactive Product Page**

**📋 Background:**

You are building the product detail page for an eCommerce website using vanilla JavaScript. This page should allow users to select product options, update quantities, and see live price updates.

**🧩 Requirements:**

You are given an HTML structure for a product detail page (see below). Your task is to implement the following features in JavaScript:

**1. Update Main Image on Thumbnail Click**

* When the user clicks on a thumbnail image, update the main product image accordingly.

**2. Handle Size Selection**

* When the user selects a size (e.g., Small, Medium, Large), highlight the selected size.
* Only one size can be selected at a time.

**3. Handle Quantity Changes**

* Allow the user to increase or decrease the quantity.
* Quantity cannot go below 1.

**4. Update Total Price**

* Display the live total price based on the selected quantity and base product price.

**🖼️ HTML Structure (Sample):**

html

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<div class="product-page">

<img id="mainImage" src="img1.jpg" alt="Product Image" />

<div class="thumbnails">

<img class="thumb" src="img1.jpg" />

<img class="thumb" src="img2.jpg" />

<img class="thumb" src="img3.jpg" />

</div>

<div class="sizes">

<button class="size">S</button>

<button class="size">M</button>

<button class="size">L</button>

</div>

<div class="quantity-control">

<button id="decrease">-</button>

<span id="quantity">1</span>

<button id="increase">+</button>

</div>

<div class="price-info">

<span>Price per unit: $<span id="unitPrice">25.00</span></span><br />

<span>Total: $<span id="totalPrice">25.00</span></span>

</div>

</div>

**✅ Expected Behavior:**

* Clicking a thumbnail updates the #mainImage's src.
* Clicking a size button highlights it and unselects others.
* Clicking "+" or "−" updates the quantity and the #totalPrice.
* The total price is unitPrice × quantity.

**⚙️ Additional Constraints:**

* Use only plain JavaScript (no frameworks or libraries).
* The base price should be read from the DOM (#unitPrice).
* No page reloads.

**🔄 Example User Flow:**

1. User clicks on the “M” size button → “M” is highlighted.
2. User clicks “+” twice → quantity becomes 3.
3. Total price updates to 3 × 25.00 = $75.00.
4. User clicks a thumbnail → main product image changes.