Assignment 9 : Product Catalogue

Objective: Build a product catalogue application in React.js where users can:

- 1. Add products by providing a name, price, and image URL.
- 2. View the product listing on the right side of the screen.
- 3. Add products to a cart and manage the quantity, with a real-time update of the total bill.

Key Features:

- 1. Add Product Form:
 - Fields: Name, Price, Image Source URL.
 - On form submission, the product gets added to the product listing.
- 2. Product Listing:
 - Displays added products.
 - Each product should show the name, price, and image.
 - An "Add to Cart" button should be available for each product.
- **3.** Shopping Cart:
 - When the "Add to Cart" button is clicked, the product gets added to the cart.
 - The cart should allow users to:
 - Increase or decrease the quantity of each product.
 - See the total price of all the items in the cart.

Key Concepts to Practice:

- Component State: Manage product and cart states.
- Props: Pass product details from the form to the listing and cart.
- Event Handling: Handle adding products, adding to cart, and adjusting quantities.

- Conditional Rendering: Show the cart only when products are added.
- Form Handling: Properly submit and clear the product addition form.

Additional Hints:

- Consider breaking the app into components like ProductForm, ProductList, Cart, and ProductItem.
- Use state management to handle the cart logic efficiently.
- There will be mainly 2 states products (an array) to store all the products. Cart (an array) to store the elements of cart.

