**Pseudocode for Shopping Cart Functionality**

**Data Structures**

* products: An array of objects representing products, each with properties:
  + id: Unique product identifier
  + name: Product name
  + price: Product price
  + image: Product image URL
* cart: An array of objects representing items in the cart, each with properties:
  + productId: ID of the product
  + quantity: Number of items
  + price: Product price

**Functions**

displayProducts():

* + Iterate over the products array
  + For each product, create a product card with an image, name, price, and a "Add to Cart" button
  + Attach a click event listener to each "Add to Cart" button
* addToCart(productId):
  + Find the product in the products array based on productId
  + Check if the product already exists in the cart
    - If it exists, increment the quantity
    - If it doesn't exist, add the product to the cart with quantity 1
  + Update the cart display
  + Update the cart icon badge with the total number of items
* updateCartDisplay():
  + Clear the cart display area
  + Iterate over the cart array
  + For each item, create a cart item with image, name, price, quantity, and a remove button
  + Calculate and display total items and total price
* removeFromCart(productId):
  + Find the product in the cart based on productId
  + If the quantity is greater than 1, decrement the quantity
  + If the quantity is 1, remove the product from the cart
  + Update the cart display
  + Update the cart icon badge with the total number of items

**Main Logic**

* Initialize products array with product data
* Initialize cart as an empty array
* Call displayProducts() to render products
* Attach a click event listener to the cart icon to display/hide the cart menu
* Implement the addToCart, removeFromCart, and updateCartDisplay functions

**Additional Considerations**

* Implement error handling for invalid product IDs or other unexpected situations
* Consider using local storage or session storage to persist cart data
* Optimize performance for large product catalogs
* Implement features like quantity adjustment and checkout

This pseudocode provides a basic outline for the shopping cart functionality. You can expand on it and add more details as you develop the JavaScript code.

**Would you like to start writing the JavaScript code based on this pseudocode?**