Use Case 1: Browse Products

Actors	Customer
Description	The customer views available products from the catalog, including name, description, picture, price, and available quantity.
Data	Product catalog, product details, inventory quantities
Stimulus	Customer opens the catalog page on the website
Response	System retrieves product information and available quantities from the databases, then displays all products with names, prices, pictures, and descriptions.
Comment	Customer can filter or search for specific products; data is pulled from the legacy product database and inventory system

Use Case 2: View Product Details

Actor	Customer
Description	The customer views detailed information about a selected product.
Data	Product information (name, description, price, picture, weight, quantity)
Stimulus	Customer clicks on a specific product.
Response	System retrieves full product details and displays them on the screen.
Comment	Quantity is retrieved from the new inventory database since the legacy database does not track stock.

Use Case 3: Add Product to Cart

Actor	Customer
Description	The customer adds a chosen product with the specified quantity to their shopping cart.
Data	Product ID, quantity, price
Stimulus	Customer clicks "Add to Cart" after selecting a quantity
Response	System validates available stock, adds product to the shopping cart, and updates the subtotal.

Comment	If requested quantity exceeds stock, system displays a message with the maximum available quantity.

Use Case 4: Update/Remove Cart Items

Actor	Customer
Description	The customer updates quantities or removes items from their shopping cart.
Data	Shopping cart items, product IDs, quantities
Stimulus	Customer changes quantity or removes an item from the cart.
Response	System validates the change, updates the cart totals, and redisplays the updated list.
Comment	If stock levels changed since the item was added, system adjusts the quantity and notifies the customer.

Use Case 5: View Shopping Cart

Actor	Customer
Description	The customer views the list of all items currently in their shopping cart.
Data	Cart items (product name, quantity, unit price, subtotal)
Stimulus	Customer clicks "View Shopping Cart"
Response	System retrieves all current items in the shopping cart and displays them with totals.
Comment	Customer can proceed to checkout or return to the catalog to add more items.

Use Case 6: Checkout

Actor	Customer
Description	The customer provides shipping and payment information to complete the purchase.
Data	Customer information (name, address, email, credit card), order details, shipping/handling charges
Stimulus	Customer clicks "Checkout" to complete the purchase.

Response	System validates all inputs, calculates total cost (including shipping), sends payment authorization request to the credit card processor, and upon success, records the order and sends confirmation email.
Comment	If payment fails, system displays an error message; if authorization succeeds, order status changes to "Authorized" and confirmation is emailed to the customer