

## **Use Case Document**

### **Use Case 1: Product Search**

**Actor:** Customer

**Goal:** Find relevant products using search functionality

**Preconditions:**

- Customer is on the homepage

**Basic Flow:**

1. Customer enters "jacket" into the search bar
2. Customer submits the search
3. System displays product listings that include "jacket"

**Postconditions:**

- Customer sees relevant results and can select a product
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### **Use Case 2: Add Product to Cart**

**Actor:** Customer

**Goal:** Add a selected product to the shopping cart

**Preconditions:**

- Customer is on the product detail page for "Radiant Tee"

**Basic Flow:**

1. Customer selects size "M"
2. Customer selects color "Blue"
3. Customer clicks the "Add to Cart" button
4. System adds the item to the shopping cart
5. System updates the cart icon with the new item count

**Postconditions:**

- Product is in the cart and cart counter is updated
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### **Use Case 3: Remove Product from Cart**

**Actor:** Customer

**Goal:** Remove a product from the shopping cart

**Preconditions:**

- Product is present in the shopping cart

**Basic Flow:**

1. Customer navigates to the cart
2. Customer clicks the "Remove" or trash icon
3. System removes the item from the cart

**Postconditions:**

- Cart becomes empty and a message is shown
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### **Use Case 4: Complete Checkout with Single Item**

**Actor:** Customer

**Goal:** Purchase a single product

**Preconditions:**

- Product is in the shopping cart

**Basic Flow:**

1. Customer clicks "Proceed to Checkout"
2. Customer fills out the shipping information
3. Customer places the order
4. System processes the order and shows a confirmation message

**Postconditions:**

- Order is placed successfully
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### **Use Case 5: Add Multiple Products to Cart**

**Actor:** Customer

**Goal:** Add more than one product to the cart

**Preconditions:**

- Products like Radiant Tee and Hero Hoodie exist in the catalog

**Basic Flow:**

1. Customer adds "Radiant Tee" (M, Blue) to the cart
2. Customer adds "Hero Hoodie" (S, Black) to the cart
3. System shows both products in the cart
4. Cart icon reflects the total number of items

**Postconditions:**

- Multiple items are visible in the cart
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## **Use Case 6: View Subtotal and Total Price**

**Actor:** Customer

**Goal:** Verify correct pricing before checkout

**Preconditions:**

- Customer has at least one item in the cart

**Basic Flow:**

1. Customer views the cart page
2. System calculates subtotal and total
3. Subtotal reflects item prices
4. Total may include shipping or taxes

**Postconditions:**

- Prices are accurate and displayed clearly