

1. Customer Use Cases

Sign Up / Log In

- Customer enters credentials
- System verifies credentials
 - If valid: grant access
 - If invalid: show error message

Browse Products

- Customer selects a category or searches for products
- System displays product listings
- Customer views product details

Add to Cart

- Customer selects a product and quantity
- System adds the item to the cart

View Cart

- Customer accesses the cart
- System displays added items, total cost, and checkout option

Checkout

- Customer initiates checkout
- System gathers shipping and payment details
- Customer confirms order
- System sends order details to Stripe for payment processing

Make Payment

- Customer selects payment method
- System requests payment authorization from Stripe
- Stripe processes payment
 - If successful: system confirms order

- If failed: system notifies the customer

Manage Account

- Customer updates personal details
- System saves changes

Add to Wishlist

- Customer adds product to wishlist
- System saves wishlist item

Leave Review

- Customer submits product review
- System verifies and saves review

Cancel Order

- Customer requests order cancellation
- System verifies order status
 - If cancellable: order is canceled and refunded
 - If not: notify customer

Apply Coupon

- Customer enters a coupon code
 - System verifies validity and applies discount
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2. Admin Use Cases

Manage Products

- Admin adds, edits, or removes products
- System updates product database

Manage Categories

- Admin creates, modifies, or deletes categories
- System updates category structure

Manage Orders

- Admin views and updates order statuses
- System notifies customers of status changes

Manage Users

- Admin updates or removes users
- System updates user records

View Sales Report

- Admin requests sales report
- System generates and displays report

Manage Inventory

- Admin updates stock levels
- System logs changes

Create Promotion

- Admin sets up discounts or special offers
- System applies promotions to relevant products

View Analytics

- Admin requests analytics data
- System generates charts and reports

3. Payment Gateway (Stripe) Use Cases

Process Payments

- System sends payment request to Stripe
- Stripe verifies and processes payment
- System receives payment confirmation or failure response

Send Payment Confirmation

- Stripe sends transaction confirmation

- System updates order status and notifies customer