	Use Case – Place Order with Place Rush Order
1. Use case code	
	UC-01
2. Brief description	
	This use case describes the process of a customer placing an order through the system.
3. Actors	
	Customer
	System
	Payment Gateway
	Inventory System
4. Preconditions	
	Customer is logged into the system.
	Products are available in inventory.
5. Basic flow of events	
	Customer selects products and adds them to the cart.
	Customer proceeds to checkout.
	System calculates total price including applicable taxes and shipping fees.
	Customer enters shipping details and selects a payment method.
	Customer confirms the order.
	System processes the payment through the Payment Gateway.
	System sends order confirmation to the customer.
	System updates inventory.
	Alternative Flow
	Payment Fails: If payment fails, the system prompts the customer to retry or use a different method.
	Insufficient Inventory: If an item is out of stock, the system notifies the customer and suggests alternatives.
6. Alternative flows	
	Payment Fails: If payment fails, the system prompts the customer to retry or use a different method.

	Insufficient Inventory: If an item is out of stock, the system notifies the customer and suggests alternatives.
8. Postconditions	
	Order is successfully placed. Customer receives an order confirmation. Inventory is updated accordingly.