Use Case "Place Rush Order"

I. Use case code: UC003

II. Brief Description

This use case describes the interactions between the AIMS software with the customer and VNPay when the customer want to place rush order.

III. Actors

1. Customer

IV. Preconditions

The customer has at least one product in the cart.

V. Basic Flow of Events

1. Customer requests to place rush order
2. AIMS software displays the rush order delivery screen with a list of products that rush order delivery supports
3. AIMS software checks inventory and notifies the customer if any product is insufficient
4. Customer update rush order information and chooses product
5. AIMS software recalculates delivery fees and updates the invoice
6. The customer provides necessary information for the payment method provided by VNPay
7. AIMS software calls UC002 "Pay Order"
8. AIMS software save order
9. AIMS software displays the successful order notification

VI. Alternative flows

Table 1 - Alternative flows of events for UC Place Rush Order

No	Location	Condition	Action	Resume location
1.	At step 3	If the AIMS software detects insufficient inventory for any item in the cart	• AIMS shows notification of insufficient quantity of product in stock and requests customer to update the cart • Customer can update the cart and try placing the order again	Resumes at Step 1
2.	At step 4	If the media or delivery location are not supported	• AIMS requests customer to update again	Resumes at Step 4

No					
3.	At step 6	If the information provided is invalid or missing during checkout	• AIMS software requests customer to re-enter and update the transaction information		Resumes at Step 6
4.	At any step	If the customer exits the software at any points	• The AIMS software saves the cart information until the next session		Resumes at Step 1

VII. Input data

Table 2 - Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1,	Receiver Name		Yes		Nguyen Duc Thang
2.	Phone Number		Yes	10 digits	0987654321
3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		12, 34 Alley of Tran Thai Tong street. Cau Giay district
5.	Shipping instructions		No		

VIII. Output data

Table 3 - Output data of general information of order and transaction info

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Phim Vượt ngục

No	Data fields	Description	Display format	Example
2.	Price	Price of the corresponding media product	• Comma for thousands separator • Positive integer • Right alignment	123,000
3.	Quantity	Quantity of the corresponding media	• Positive integer • Right alignment	2
4.	Amount	Total money of the corresponding media	• Comma for thousands separator • Positive integer • Right alignment	246,000
5.	Subtotal	Total amount of all products in the order		500,000 VND
6.	Shipping fee			30,000

Table 4 - Output data of general information of order and transaction info

No	Data fields	Description	Display format	Example
1.	Customer name			Nguyen Duc Thang
2.	Phone number			0915486681
3.	Province			Thai Binh
4.	Address			12, 34 Alley of Tran Thai Tong street. Cau Giay district
5.	Total amount		Right alignment Vietnamese currency (VND) Vietnamese locale	500,000 VND

6.	Transaction ID			
7.	Transaction content			
8.	Transaction date		dd/mm/yy	10/03/2024

IX. Post conditions

- Successful order: Customer receives confirmation email and order status is in "pending" state.

- Cancelled order: Customer receives confirmation email and full refund is processed.