Use Case "Place Order"

1. Use case code
UC001

2. Brief Description
This use case describes the interaction between customer and AIMS when the customer wants to place an order.

3. Actors

3.1   Customer

4. Preconditions

5. Basic Flow of Events

#	Doer	Actions
1	Customer	views the cart
2	Customer	requests to place an order
3	AIMS software	checks for inventory quantity
4	AIMS software	displays the form of delivery information with order information
5	Customer	provides delivery information
6	AIMS software	calculates and displays order and shipping fees (See Table A)
7	Customer	asks to pay order
8	**AIMS software**	**calls UC "Pay Order"**
9	AIMS software	creates a new order
10	AIMS software	empties the cart
11	AIMS software	sends invoice and payment transaction to the customer's email

12	AIMS software	displays general information of the order (see Table C)	

6. Alternative flows

Table N-Alternative flows of events for UC Place Order

No	Location	Condition	Action	Resume location
1.	At Step 3	If the products are not available	▪ The AIMS software notifies that the the products in the cart are not available and stay at the use case "View cart"	Use case ends
2.	At Step 5	If the delivery info is invalid	▪ AIMS software notifies that the delivery info is invalid (blank or wrong format)	At Step 3
3.	At Step 5	If the user chooses to place a rush order	▪ **AIMS software inserts use case "Place rush order"**	At Step 6
4.	At Step 8	If the order payment is not successul or goes back from payment	▪ AIMS notifies "unsuccessful payment"	At Step 5

7. Input data

Table A-Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name		Yes		Nguyen Tieu Phuong
2.	Phone Number		Yes	10 digits	0987654321

No	Data fields				
3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		1st Dai Co Viet Street, Hai Ba Trung District
5.	Shipping message		No		

8. Output data

Table B-Output data of order information and shipping fee

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Peach, Pho, Piano
2.	Price	Price of the corresponding media	• Comma for thousands separator • Positive integer • Right alignment	60,000
3.	Quantity	Quantity of the corresponding media	• Positive integer • Right alignment	3
4.	Amount	Total money of the corresponding media	• Comma for thousands separator • Positive integer • Right alignment	180,000
5.	Subtotal	Total amount of all products in the order		1,035,000
6.	Shipping fee			30,000

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

No	Data fields	Description	Display format	Example
1.	Customer name			Nguyen Tieu Phuong
2.	Phone number			0987654321
3.	Province			Hanoi
4.	Address			1st Dai Co Viet Street, Hai Ba Trung District
5.	Total amount		• Right alignment • Vietnamese currency (VND)	1,035,000

			• Vietnamese locale	
6.	Transaction ID			
7.	Transaction content			
8.	Transaction date time		DD/MM/YYYY HH:MM	08/03/2024 21:04

9. Postconditions