Use Case "Place Order"

1. Use case code					
	UC001				
2. Brief description					
	This use case describes the interaction between user and AIMS software when user wishes to place order				
3. Actors					
	1. Customer				
	2. AIMS software				
4. Preconditions					
	There is at least one item in the cart				
5. Basic flow of events					
	1. Customer requests to place order in the cart				
	2. AIMS software checks the availability of products in cart				
	3. AIMS software displays the form of delivery information with order information				
	4. Customer enters and submits delivery information				
	5. AIMS software calculates and updates order with shipping fees				
	6. The customer asks to pay order				
	7. The AIMS software calls UC "Pay order"				
	8. The AIMS software creates and saves a new order				
	9. The AIMS software makes the cart empty				
	10. The AIMS software sends email about the order notification and information				
	11. The AIMS software displays the successful order notification, the order and the transaction information				
6. Alternative flows					
	Table 1 - Alternative flows of events for UC Place order				
	No	**Location**	**Condition**	**Action**	**Resume location**

	1	At step 2	If the products are not available	The AIMS software notifies that "The products are not available. Please choose another product" and stay at the use case "View cart"	Use case ends	
	2	At step 4	If the delivery info is invalid	AIMS software notifies that the delivery info is invalid (blank or wrong format,...	At step 4	
	3	At step 5	If user chooses to place a rush order	AIMS software inserts use case "Place rush order"	At step 6	
	4	At step 9	If the order payment is not successful or goes back from payment	AIMS software notifies to user that "The order was failed. Please try again"		

7. Input data

<table>
<tr><td colspan="6" align="center">Table 2 - Input data of delivery information</td></tr>
<tr><td>No</td><td>Data fields</td><td>Description</td><td>Mandatory</td><td>Valid condition</td><td>Example</td></tr>
<tr><td>1</td><td>Customer Name</td><td></td><td>Yes</td><td>100 characters</td><td>Nguyen Ngoc Khanh</td></tr>
<tr><td>2</td><td>Phone Number</td><td></td><td>Yes</td><td>10 digits</td><td>123456789</td></tr>
<tr><td>3</td><td>Province</td><td>Choose from a list</td><td>Yes</td><td></td><td>Ha Noi</td></tr>
<tr><td>4</td><td>Address</td><td></td><td>Yes</td><td></td><td>14 Hoan Kiem, Ha Noi, Viet Nam</td></tr>
<tr><td>5</td><td>Shipping instructions</td><td></td><td>No</td><td></td><td></td></tr>
</table>

8. Output data

<table>
<tr><td colspan="5" align="center">Table 3 - Output data of order information and shipping fee</td></tr>
<tr><td>No</td><td>Data fields</td><td>Description</td><td>Display format</td><td>Example</td></tr>
</table>

	No	Data fields	Description	Display format	Example
	1	Title	Title of a media product		DVD Tây Du Ký
	2	Price	Price of the corresponding media product	- Comma for thousands separator - Positive integer - Right alignment	200,000
	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
	5	Subtotal	Total amount of all products in the order		2,316,600
	6	Shipping fee			30,000
	7	Total			2,346,600

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

No	Data fields	Description	Display format	Example
1	Customer Name			Nguyen Ngoc Khanh
2	Phone Number			123456789
3	Province			Ha Noi
4	Address			14 Hoan Kiem, Ha Noi, Viet Nam
5	Total amount		Right alignment Vietnamese currency (VNĐ) Vietnamese locale	1.200.000 VNĐ
6	Transaction ID			
7	Transaction content			
8	Transaction date		dd/mm/yyyy	05/10/2023

9. Postconditions						
	A new order is created, and its information is sent via email to the customer or nothing happens if payment is not successful					