Use Case "Place Order"

1. Use case code
UC0010

2. Brief Description
This use case describes the interaction between customers and AIMS software when the customer wish(es) to place order.

3. Actors
3.1 Customer

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 the cart
3. AIMS software displays the form of delivery information with order information
4. Customer enters and submits delivery information (see Table 2)
5. AIMS software calculates and displays order and shipping fees (see Table 3)
6. The customer asks to pay order
7. The AIMS software calls UC "Pay order"
8. The AIMS software creates 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 (see Table 4).

6. Alternative flows

Table 1-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 6	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 successful or goes back from payment		At step 5

7. Input data

Table 2-Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name		Yes		Nguyen Hai Anh
2.	Phone Number		Yes	10 digits	0123456789
3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		31 Minh Khai Street, Hai Ba Trung district
5.	Shipping instructions		No		

8. Output data

Table 3-Output data of order information and shipping fee

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Phim Vượt ngục
2.	Price	Price of the corresponding media product	▪ Comma for thousands separator ▪ Positive integer	123,000

No	Data fields	Description	Display format	Example
			▪ Right alignment	
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	▪ Comma for thousands separator ▪ Positive integer ▪ Right alignment	2,316,000
6.	Shipping fee		▪ Comma for thousands separator ▪ Positive integer ▪ Right alignment	30,000

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

No	Data fields	Description	Display format	Example
1.	Customer name			DVD Phim Vượt ngục
2.	Phone number		10 digits	0123456789
3.	Province			Hanoi
4.	Address			31 Minh Khai Street, Hai Ba Trung district
5.	Total amount		▪ Vietnamese currency (VNĐ) ▪ Vietnamese locale ▪ Right alignment	2.316.000 VNĐ
6.	Transaction ID			
7.	Transaction content			
8.	Transaction date		dd/mm/yyyy	07/03/2024

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.