

Use Case “Place Order”

1. Use case code

UC002

2. Brief Description

This use case describes the interaction between customers and AIMS software when the customer wishes to place an 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 Table1)
5. AIMS software calculates and displays order and shipping fees (see Table2)
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 3)

6. Alternative flows

No	Location	Condition	Action	Resume location
1.	At Step 3	If the products are not available	- The AIMS software notifies that 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 successful or goes back from payment		At Step 5
----	-----------	--	--	-----------

7. Input data

Table 1- Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name	Yes	Do Minh Hieu		
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			

8. Output data

Table 2-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	<ul style="list-style-type: none"> Comma for thousands separator 	123,000
			<ul style="list-style-type: none"> Positive integer Right alignment 	
3.	Quantity	Quantity of the corresponding media	<ul style="list-style-type: none"> Positive integer Right alignment 	2
4.	Amount	Total money of the corresponding media	<ul style="list-style-type: none"> Comma for thousands separator Positive integer Right alignment 	246,000
5.	Subtotal	Total amount of all products in the order	2,316,600	
6.	Shipping fee	30,000		

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

No	Data field	Description	Display format	Example
1.	Customer name	Do Minh Hieu		
2.	Phone number	0987654321		
3.	Province	Hanoi		

4.	Address	12,34 Alley of Tran Thai Tong street, Cau Giay district		
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