

Use case - Place Order

1. Use case code

UC01

2. Brief Description

The use case describes the interactions between customers and AIMS software when the customer wants to place an order.

3. Actors

3.1. Customer

4. Preconditions

There is at least one item in the cart.

5. Basic flow

Step 1. Customer requests to place an order in the cart.

Step 2. AIMS software checks the availability of products in the cart.

Step 3. AIMS software displays the form of delivery information with order information.

Step 4. Customer enters and submits delivery information. (Table 1)

Step 5. AIMS software calculates and displays order and shipping fees. (Table 2)

Step 6. The customer asks to pay order.

Step 7. The AIMS software calls UC "Pay Order"

Step 8. The AIMS software creates a new order.

Step 9. The AIMS software makes the cart empty.

Step 10. The AIMS software sends email about the order notification and information.

Step 11. The AIMS software displays the successful order notification, the order and the transaction information. (Table 3)

6. Alternative flow

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	AIMS software notifies that the order payment is unsuccessful	At Step 5

7. Input

Table 1. Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver name		Yes		Mai Duc An
2.	Phone number		Yes	10 digits	0353024468
3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		1st Dai Co Viet, Hai Ba Trung, Hanoi
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	- 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	- 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 3. Output data of general information of order and transaction info

No	Data fields	Description	Display format	Example
1.	Customer name			Mai Duc An
2.	Phone number			0353024468
3.	Province			Hanoi
4.	Address	Address of receiver		1st Dai Co Viet, Hai Ba Trung, Hanoi
5.	Total amount	Total amount of all products in the order	Right alignment Vietnamese currency (VND) Vietnamese locale	1.200.000 VND
6.				
7.				
8.			dd/mm/yyyy	09/03/2024

9. Postconditions

A new order is created, and its information is sent via email to the customer.