

Use Case “Place Order”

1. Use case code: UC002

2. Brief descriptions:

- This use case describes the interaction between customer and AIMS software when customer wants to place their order.

3. Actors:

3.1. Customer

3.2. AIMS software

4. Preconditions:

- The customer needs to review the cart and select the products they want to purchase.
- 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.
5. AIMS software calculates and displays order and shipping fees.
6. Customer asks to pay order.
7. AIMS software calls use case “Pay Order”.
8. AIMS software creates a new order.
9. AIMS software makes the cart empty.
10. AIMS software sends email about the order notification and information.
11. AIMS software displays the successful notification, the order and the transaction information.

6. Alternative flows:

No	Location	Condition	Action	Resume location
1	Step 3	If the products are not available	AIMS software notifies that the products in the cart are not available and stay at use case “View cart”	Use case end

2	Step 5	If the delivery information is invalid	AIMS software notifies that the delivery information is invalid	Step 3
3	Step 5	If customer choose to place a rush order	AIMS software inserts use case “Place rush order”	Step 6
4	Step 8	If the order payment is not successful or goes back from payment		Step 5

7. Input data

No	Data fields	Descriptions	Mandatory	Valid condition	Example
1	Receiver name		Yes		Name
2	Phone number		Yes		Number
3	Province	Choose from a list	Yes		Province
4	Address		Yes		Address
5	Shipping instructions		No		

8. Output data

No	Data fields	Descriptions	Display format	Example
1	Title	Title of a media product		Product_name
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 product	- Positive integer - Right alignment	2
4	Amount	Total money of the corresponding media product	- Comma for thousands separator - Positive integer - Right alignment	123,000
5	Subtotal before VAT	Total price of products in the cart before VAT	- Comma for thousands separator - Positive integer - Right alignment	123,000
6	Subtotal	Total price of products in the cart with VAT		123,000

7	Shipping fees			123,000
8	Total	Sum of subtotal and shipping fees		123,000
9	Currency			VND
10	Name			Name
11	Phone number			Number
12	Province			Province
13	Address			Address
14	Shipping instructions			
15	Transaction ID			
16	Transaction content			
17	Transaction date		dd/mm/yy	

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.