

Use Case “Place order”

1. Use case code

UC001

2. Brief Description

This use case describes the interaction between a customer and AIMS when the customer wants to place an order.

3. Actors

3.1 Customer

4. Pre-conditions

The customer has products in the cart.

5. Basic Flow of Events

1. Customer checks cart
2. AIMS checks the availability of the products in the cart
3. AIMS displays cart and delivery information
4. Customer requests order
5. AIMS displays delivery information form
6. Customer fills and confirms the delivery information (see Table 2)
7. AIMS calculates shipping fee and displays receipt
8. Customer confirms the order
9. AIMS calls UC002 “Pay order”
10. AIMS displays the order information (see Table 3, Table 4)
11. AIMS sends all order and transaction information to the customer's email
12. AIMS notifies successful order

6. Alternative flows

Table 1 - Alternative flows of events for UC Place order

No	Location	Condition	Action	Resume location
1.	At Step 3	Insufficient quantity of product in stock	<ul style="list-style-type: none">▪ AIMS shows notification of insufficient quantity of product in stock and requests customer to update the cart.▪ Customer updates cart	2
2.	At Step 6	Customer selects rush order delivery option	<ul style="list-style-type: none">▪ Goes to UC003 “Place rush order” if any product supports rush order	8

			delivery. Otherwise, the process returns to step 6	
3.	At Step 7	Missing or invalid information	<ul style="list-style-type: none"> Requests customer to re-enter and update the information 	5

7. Input data

Table 2 – Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Customer name		Yes		DINH VIET QUANG
2.	Phone number		Yes	10-digit number	0123456789
3.	Province	Choose from list	Yes		Ha Noi
4.	Address		Yes		No 1, Dai Co Viet street, Hai Ba Trung district
5.	Time		Yes		12:00, 01/01/2024
6.	Shpping instructions		No		Weekdays delivery

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		“MTP” DVD
2.	Price	Price of the corresponding product	<ul style="list-style-type: none"> - Positive integer - Separate thousands by commas - Right-aligned 	100,000
3.	Quantity	Quantity of products		5
4.	Amount	Total price of the corresponding product		500,000
5.	Subtotal before VAT	Total price in the cart before VAT		500,000
6.	Subtotal	Total price in the cart including VAT		550,000

7.	Shipping fee			40,000
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Table 4 - general information of order and transaction info

No	Data fields	Description	Display format	Example
1.	Customer name			DINH VIET QUANG
2.	Phone number			0123456789
3.	Province	Choose from list		Ha Noi
4.	Address			No 1, Dai Co Viet street, Hai Ba Trung district
5.	Total price	Sum of subtotal and shipping fees	Right aligned Vietnamese currency(VND) Vietnamese locate	590,000
6.	Transaction ID			12345621
7.	Transaction content			Hello 123
8.	Transaction date		dd/mm/yyyy	01/01/2024

9. Post-conditions: None