

Use Case “Place Order”

1. Use case code

UC002

2. Brief Description

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

3. Actors

Customer

4. Preconditions

- There is an active network connection to the Internet.
- Customer must add selected products to the cart (cart is not empty).

5. Basic Flow of Events

Step 1. The customer requests to place an order on the view cart screen

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

Step 3. The AIMS software displays the form of delivery information

Step 4. The customer enters and submits delivery information

Step 5. The AIMS software checks the validity of delivery information

Step 6. The AIMS software calculates shipping fees

Step 7. The AIMS software displays the invoice

Step 8. The customer confirms to place order

Step 9. The AIMS software calls UC “Pay order”

Step 10. The AIMS software save order

Step 11. The AIMS software makes the cart empty

Step 12. The AIMS software displays the successful order notification

6. Alternative flows

Table 1: Alternative flows of events for UC Place order

No	Location	Condition	Action	Resume location
1.	At step 2	If there is media of which quantity in the stock is less than the ordered quantity	<ul style="list-style-type: none">• The AIMS software asks the customer to update the cart• The customer updates the cart	Resumes at Step 2

2.	At step 5	If a mandatory field is left blank	<ul style="list-style-type: none"> The AIMS software asks the customer to fill all the mandatory blank. 	Resumes at Step 3
3.	At step 5	If the phone number is invalid	<ul style="list-style-type: none"> The AIMS software asks the customer to enter a valid phone number 	Resume at Step 3

7. Input data

Table 2: Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name		Yes	Not contains special characters	Hoang Van Tien
2.	Phone Number		Yes	Only accept digit and form 10-11 characters	0953267345
3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		12 Dai Co Viet Road, Hai Ba Trung District
5.	Shipping instructions		No		Second floor, room 12A

8. Output data

Table 3: Output data of displaying invoice

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Phim Hai Phuong
2.	Price	Price of the corresponding media Product	<ul style="list-style-type: none"> Comma for thousands separator Positive integer Right alignment 	99,000
3.	Quantity	Quantity of the corresponding media	<ul style="list-style-type: none"> Positive integer Right alignment 	3
4.	Amount	Total money of the corresponding media	<ul style="list-style-type: none"> Comma for thousands separator Positive integer Right alignment 	297
5.	Subtotal Before VAT	Total price of products in the cart before VAT	<ul style="list-style-type: none"> Comma for thousands separator Positive integer Right alignment 	1,098,000
6.	Subtotal	Total price of products in the cart with VAT		1,230,000
7.	Shipping fees			30,000

8.	Total	Sum of subtotal and shipping fees		1,260,000
9.	Currency			VND
10.	Name			Hoang Van Tien
11.	Phone number			0852250816
12.	Province	Choose from a list		Hanoi
13.	Address			12 Dai Co Viet Road, Hai Ba Trung District
14.	Shipping instructions			Second floor, room 12A

Table 4: Output data of display cart

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		CD Siêu nhân Gao
2.	Price	Price of the corresponding media product	<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	120, 000
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 	240,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT	<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	580,000
6.	Subtotal	Total price of products in the cart with VAT		620,000
7.	Currency			VND

9. Postcondition

The logs have been updated accordingly.