

Use case “Place Order”

1. Use case code:

UC001

2. Brief Description:

This use case describes the interaction between Customer and AIMS Software when customer wishes to place an order

3. Actors

3.1. Customer

4. Preconditions

5. Basic Flow of Events

Step 1. The customer views the cart.

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

Step 3. The AIMS software displays the cart

Step 4. The customer requests to place order

Step 5. The AIMS software displays the form of delivery information

Step 6. The customer enters and submits delivery information

Step 7. The AIMS software calculates shipping fees

Step 8. The AIMS software displays the invoice

Step 9. The customer confirms to place order

Step 10. The AIMS software calls use case “Pay order”

Step 11. The AIMS software creates a new order

Step 12. The AIMS software makes the cart empty

Step 13. The AIMS software displays the successful order notification

6. Alternative flows

No	Location	Condition	Action	Resume location
1	At Step 3	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 7	if customer chooses to place a rush order	Insert use case "Place rush order"	Resumes at Step 7
3	At Step 7	If a mandatory field is left blank	The AIMS software asks the customer to fill all the mandatory blank.	Resumes at Step 5
4	At Step 7	If the phone number is invalid	The AIMS software asks the customer to enter a valid phone number.	Resumes at Step 5

7. Input data

Table1 - Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1	Receiver Name		Yes		Tran Thi Hang
2	Phone number		Yes		0396652104
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		
6	Rush Order	Tick to choose	Yes		✕

8. Output data

Table2 - Output data of displaying invoice

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 - Positive integer - Right alignment 	123,000
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 	246,000
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 	2,100,000
6	Subtotal	Total price of products in the cart after VAT		2,310,000
7	Shipping fees (rush order)			50,000
8	Total	Sum of subtotal and shipping fees		2,360,000
9	Currency			VND
10	Name			Tran Thi Hang
11	Phone number			0396652104
12	Province	Choose from a list		Hanoi
13	Address			12,34 Alley of Tran Thai Tong street, Cau Giay district
14	Shipping instructions			

Table3 - Output data of displaying cart

No	Data fields	Description	Display format	Example
1	Title	Title of a media product		CD Em về tỉnh khôì – Hà Trần
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 	2,106,000
6	Subtotal	Total price of products in the cart after VAT		2,316,000
7	Currency			VND

9. Postconditions