Use Case "Place Order"

1. Use case code
UC00Y

2. Brief Description
This use case describes the interactions between the AIMS software with the customer when the customer wishes to place order.

3. Actors
1. Customer
2. AIMS System

4. Preconditions
➔ There are at least 1 product in Customer's cart.

5. Basic Flow of Events
Steps:
1. The Customer request to place order from cart
2. AIMS software checks the availability of products in the cart.
3. The AIMS software display the form of delivery information.
4. The Customer enters and submits delivery information. (Table 7.1)
5. The AIMS software checks validity of delivery information.
6. The AIMS software calculates shipping fees.
7. The AIMS software displays the invoice. (Table 8.1)
8. The Customer confirms to place order.
9. The AIMS software call UC "Pay Order".
10. The AIMS software saves order.
11. The AIMS software makes cart empty.

6. Alternative flows

Alternative flows of events for UC Place Order

No	Location	Condition	Alternative flow	Resume location
1.	In step 1-8	If Customer quit software or cancel the order	▪ End use case.	End use case
2.	At Step 2	If there are at least 1 product unavailable	▪ The AIMS software notifies that there are unavailable products in cart. ▪ The AIMS software asks the Customer to update the cart. ▪ The Customer need to update the cart.	At Step 1
3.	At Step 5	If delivery info is invalid	▪ The AIMS software notifies that the delivery info is invalid.	At Step 4
4.	At Step 8	If the Customer don't confirm to place order	▪ The AIMS software delete the order, end use case	End use case

7. Input data

Table 7.1-Input data of delivery form

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Name		Yes		TRAN DUC QUAN
2.	Phone number		Yes	10 numbers	0123456789
3.	Address		Yes		Hai Ba Trung – Ha noi

8. Output data

Table 8.1 - Output data of invoice

No	Data fields	Description	Display format	Example
1.	Invoice ID		10 characters	1a2b34cd5E
2.	Title	Title of media product		Baby shark DVD
3.	Quantity	Quantity of the corresponding media	Positive integer	2
4.	Price	Price of the corresponding media product	• Positive integer • Comma for thousand separator • Right alignment	100,000
5.	Amount	Total money of the corresponding media		
6.	Subtotal before VAT	Total price of product in the cart before VAT		
7.	Subtotal	Total price of product in the cart with VAT		
8.	Shipping fees			
9.	Total	Sum of subtotal and shipping fees		
10.	Currency			VND
11.	Customer name			Tran Duc Quan
12.	Address			Hai Ba Trung – Ha Noi
13.	Customer's phone number		10 numbers	0123456789

9. Postconditions
➔ When the AIMS software makes cart empty.

10. Activity diagram

act Place order

Customer	AIMS software

[1 or more products unavailable]

Update the cart

Request to place order → Check the availability of products

◇

[ok]

Enter and submit delivery info ← Ask custommer to input delivery info

Check validity of delivery info

◇ [invalid]

[valid]

Calculate shipping fees

Display the invoice

Confirm to place order ←

◇ [yes] → Call UC "Pay Order"

[no]

Save order

Makes cart empty