Use Case "Place Order"

1. Use case code

UC001

2. Brief Description

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

3. Actors

Customer

4. Preconditions

Customer has to have an account and that account has to have at least one item to place order.

5. Basis 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 UC "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	• The AIMS software asks the customer to update the cart • The customer updates the cart	Resumes at Step 1
2	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
3	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
4	At Step 8	If the total cost is higher than 500,000	• The AIMS software will not charge the customer shipping fee	Resumes at Step 8

7. Input data

No	Data fields	Description	Mandatory	Valid condition	Example
1	Receiver name		Yes		Dao Hong Quan
2	Phone number		Yes	Has to be all number, at least 9 character, starts with '0'	0987128271
3	Province	Choose from a list	Yes		Hanoi
4	Address		Yes		Ha Dinh, Thanh Xuan
5	Shipping instructions		No		

8. Output data

No	Data fields	Description	Display format	Example
1	Title	Title of a media product		DVD Parasite
2	Price	Price of the corresponding media product	• Comma for thousands separator • Positive integer • Right alignment	490,000
3	Quantity	Quantity of the corresponding media	• Positive integer • Right alignment	1
4	Amount	Total money of the corresponding media	• Comma for thousands separator • Positive integer • Right alignment	490,000
5	Subtotal Before VAT	Total price of products in the cart before VAT	• Comma for thousands separator • Positive integer • Right alignment	1,500,000
6	Subtotal	Total price of products in the cart with VAT		1,650,000
7	Shipping fees			0
8	Total	Sum of subtotal and shipping fees		1,650,000
9	Currency			VND
10	Name			Dao Hong Quan
11	Phone number			0987128271
12	Province	Choose from a list		Hanoi
13	Address			Ha Dinh, Thanh Xuan
14	Shipping instructions			

9. Postconditions