Use Case "Place Order"

1. Use case code

UC002

2. Brief Description

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

3. Actors

3.1 AIMS software

3.2 Customer

4. Preconditions

The precondition of this use case is that there is an active network connection to the Internet.

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 flow 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	▪ 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 bank	▪ The AIMS software asks the customer to fill all the mandatory	Resumes at Step 3
3.	At Step 5	If the phone number is invalid	▪ The AIMS software asks the customer to enter a valid phone number	Resumes 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		Do Minh Hieu
2.	Phone number		Yes		0987654321
3.	Procinve	Choose from a list	Yes		Hanoi
4.	Address		Yes		12, 34 Alley of Tran Thai Tong street, Cau Giay district
5.	Shipping instructions		No		

8. Output data

Table 3 - Output data of displaying invoice

No	Data fields	Description	Display fomat	Example

1.	Title	Title of a media product		DVD Phim Vượt ngục
2.	Price	Price ofthe corresponding media product	▪ Commafor thousands separator ▪ Positive integer ▪ Right alignment	123,000
3.	Quantity	Quantity of the corresponding media	▪ Positive integer ▪ Right alignment	2
4.	Amount	Total moneyof the corresponding media	▪ Commafor thousands separator ▪ Positive integer ▪ Right alignment	246,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT		2,106,000
6.	Subtotal	Total price of products in the cart with VAT	▪ Commaforthousands separator ▪ Positive integer ▪ Right alignment	2,316,600
7.	Shipping fees			30,000
8.	Total	Sum of subtotal and shipping fees		2,346,600

No	Data fields	Description	Display format	Example
9.	Currency			VND
10.	Name			Do Minh Hieu
11.	Phone number			0987654321
12.	Province	Choose from a list		Hanoi
13.	Address			12, 34 Alley of Tran Thai Tong street, Cau Giay district
14.	Shipping instructions			

Table 4 - Output data of displaying cart

No	Data fields	Description	Display fomat	Example
1.	Title	Title of a media product		DVD Phim Vượt ngục
2.	Price	Price ofthe corresponding media product	▪ Commafor thousands separator ▪ Positive integer ▪ Right alignment	120,000
3.	Quantity	Quantity of the corresponding media	▪ Positive integer ▪ Right alignment	2

4.	Amount	Total moneyof the corresponding media	▪ Commafor thousands separator ▪ Positive integer ▪ Right alignment	240,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT	▪ Commaforthousands separator ▪ Positive integer ▪ Right alignment	2,106,000
6.	Subtotal	Total price of products in the cart with VAT		2,316,600
7.	Currency			VND

9. Postconditions

The postcondition of this use case is that "the logs have been updated accordingly" in the case of a failure condition.