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 order.

3. Actors

3.1. Customer

3.2. AIMS software

4. Preconditions

There is an active network connection to the Internet.

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 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	At Step 2
2.	At Step 7	If a mandatory field is left blank	• The AIMS software asks the customer to fill all the mandatory blank	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	At Step 5

7. Input data

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver name		Yes		Do Minh Hieu
2.	Phone number		Yes		0829299291
3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		123, 126 Alley of Tran Thai Tong street, Cau Giay district
5.	Shipping instructions		No		

8. Output data

Table 2 – Output data of displaying invoice

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Avatar
2.	Price	Price of the corresponding media product	• Comma for thousands separator • Positive integer • Right alignment	123,000
3.	Quantity	Quantity of the corresponding media	• Positive integer • Right alignment	2
4.	Amount	Total money of the corresponding media	• Comma for thousands separator • Positive integer • Right alignment	246,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT	• Comma for thousands separator • Positive integer • Right alignment	2,106,000
6.	Subtotal	Total price of products in the cart with VAT		2,316,600
7.	Shipping fees			30,000
8.	Total	Sum of subtotal and shipping fees		2,346,600
9.	Currency			VND
10.	Name			Do Minh Hieu
11.	Phone number			0829299291
12.	Province	Choose from a list		Hanoi
13.	Address			123, 126 Alley of Tran Thai Tong street, Cau Giay district
14.	Shipping instructions			

Table 3 – Output data of displaying cart

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Avatar
2.	Price	Price of the corresponding media product	• Comma for thousands separator • Positive integer • Right alignment	123,000
3.	Quantity	Quantity of the corresponding media	• Positive integer • Right alignment	2
4.	Amount	Total money of the corresponding media	• Positive integer • Right alignment	246,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT	• Comma for thousands 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. Post-conditions

In the case of failure condition, the logs have been updated accordingly.