Use Case "Place order"

1. Use case code

UC002

2. Brief Description

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

3. Actors

3.1. Customer

3.2. AIMS software

4. Preconditions

There is an active network connection to the Internet. The customer must view the cart first.

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 saves 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 flows 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 blank	The AIMS software asks the customer to fill all the mandatory blank.	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		LE THANH MAI
2.	Phone number		Yes		0912345789
3.	Province	Choose from a list	Yes		Ha Noi
4.	Address		Yes		12 Le Thanh Nghi street, Hai Ba Trung district
5.	Shipping instructions		No		

8. Output data

Table 3-Output data of displaying invoice

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Phim Doraemon
2.	Price	Price of corresponding media product	- Comma for thousands separator - Positive integer - Right alignment	100,000
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	200,000
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			Le Thanh Mai
11.	Phone number			0912345789

12.	Province	Choose from a list		Ha Noi
13.	Address			12 Le Thanh Nghi street, Hai Ba Trung district
14.	Shipping instructions			

Table 4-Output data of displaying cart

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Phim Doraemon
2.	Price	Price of corresponding media product	- Comma for thousands separator - Positive integer - Right alignment	100,000
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	200,000
5.	Subtotal before VAT	Total price of products in the cart before VAT	- Comma for thousands separator	2,106,000
6.	Subtotal	Total price of products in the cart with VAT	- Positive integer - Right alignment	2,316,600
7.	Currency			VND

9. Postconditions
- The logs have been updated accordingly.
- The customer has received the successful order notification