

Use Case “Place Order”

1. Use case code: UC001

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

3. Actors:

3.1. Customer

4. Precondition: Customer add some product into the cart.

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

Table N-Alternative flows of events for UC Place order

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 update 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	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.

7. Input data

Table 1 - Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Examples
1.	Receiver Name		Yes		Do Minh Hieu
2.	Phone		Yes		0123456789

3.	Province	Choose from a list	Yes		HaNoi
4.	Address		Yes		135 Phuong Mai, Dong Da, Hanoi
5.	Shipping instructions		No		

Table 2: Information of media in the cart

No	Data fields	Description	Mandatory	Valid condition	Examples
1.	Title		Yes		Dia CD am nhac
2.	Quantity		Yes	<ul style="list-style-type: none"> • Positive integer • Right Alignment 	2

8. Output data

Table 3 - Output data of displaying invoice

No	Data fields	Description	Display format	Examples
1.	Title	Title of a media product		DVD Phim 3 Idiots
2.	Price	Price of the corresponding media product	<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	123,000
3.	Quantity	Quantity of the corresponding media	<ul style="list-style-type: none"> • Positive integer • Right Alignment 	2
4.	Amount	Total money of the corresponding media	<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	246,000
5.	Subtotal before VAT	Total price of products in the cart before VAT	<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	2,106,000
6.	Subtotal	Total price of products in the cart with VAT		2,316,000
7.	Shipping fees			30,000
8.	Total	Sum of subtotal and shipping fees		2,346,600
9.	Currency			VND
10.	Name			Nguyen Hai Duong
11.	Phone number			012345678
12.	Province	Choose from a list		Hanoi
13.	Address			135 Phuong Mai, Dong Da, Ha Noi
14.	Shipping instruction			

Table 4 - Output data of displaying cart

No	Data fields	Description	Display format	Examples
1.	Title	Title of a media product		DVD Phim 3 Idiots
2.	Price	Price of the corresponding media product	<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	123,000
3.	Quantity	Quantity of the corresponding media	<ul style="list-style-type: none"> • Positive integer • Right Alignment 	2
4.	Amount	Total money of the corresponding media	<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	246,000
5.	Subtotal before VAT	Total price of products in the cart before VAT	<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	2,106,000
6.	Subtotal	Total price of products in the cart with VAT		2,316,000
7.	Currency			VND

9. Postconditions