

# 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	<ul style="list-style-type: none"><li>The AIMS software asks the customer to update the cart.</li><li>The customer updates the cart</li></ul>	At Step 2
2.	At Step 7	If a mandatory field is left blank	<ul style="list-style-type: none"><li>The AIMS software asks the customer to fill all the mandatory blank</li></ul>	At Step 5
3.	At Step 7	If the phone number is invalid	<ul style="list-style-type: none"><li>The AIMS software asks the customer to enter a valid phone number</li></ul>	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 Phim Vượt ngục
2.	Price	Price of the corresponding media product	<ul style="list-style-type: none"> <li>▪ Comma for thousands separator</li> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	123,000
3.	Quantity	Quantity of the corresponding media	<ul style="list-style-type: none"> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	2
4.	Amount	Total money of the corresponding media	<ul style="list-style-type: none"> <li>▪ Comma for thousands separator</li> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	246,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT	<ul style="list-style-type: none"> <li>▪ Comma for thousands separator</li> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	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			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 3-Output data of displaying cart*

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		CD Em về tỉnh khôi – Hà Trần
2.	Price	Price of the corresponding media product	<ul style="list-style-type: none"> <li>▪ Comma for thousands separator</li> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	120,000
3.	Quantity	Quantity of the corresponding media	<ul style="list-style-type: none"> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	2
4.	Amount	Total money of the corresponding media	<ul style="list-style-type: none"> <li>▪ Positive Integer</li> <li>▪ Right alignment</li> </ul>	240,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT	<ul style="list-style-type: none"> <li>▪ Comma for thousands separator</li> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	2,106,000
6.	Subtotal	Total price of products in the cart after VAT		2,316,600
7.	Currency			VND

## 9. Post-conditions

The logs have been updated accordingly in the case of failure condition.