

## Use case “Place Order”

### 1. Use case code

- UC0001

### 2. Brief Description

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

### 3. Actors

- Customer

### 4. Preconditions

- Customer’s cart is not empty.

### 5. Basic Flow of Events

1. The customer views the cart.
2. The AIMS software checks the availability of products in the cart
3. The AIMS software displays the cart
4. The customer requests to place order
5. The AIMS software displays the form of delivery information
6. The customer enters and submits delivery information
7. The AIMS software calculates shipping fees
8. The AIMS software displays the invoice.
9. The customer confirms to place order.
10. The AIMS software calls UC “Pay order”
11. The AIMS software creates a new order
12. The AIMS software makes the cart empty
13. The AIMS software displays the successful order notification.

### 6. Alternative flows

*Table A-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	<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
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## 7. Input data

*Table B-Input data of delivery information*

No	Data fields	Description	Mandatory	Valid condition	Example
1	Receiver Name		Yes		Vuong Van An
2	Phone Number		Yes		0976412509
3	Province	Choose from a list	Yes		Ha Noi
4	Delivery instructions		No		20 Le Thanh Nghi, Hai Ba Trung district
5	Address		Yes		

## 8. Output data

*Table C-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> </ul>	246,000

			▪ Right alignment	
5	Subtotal before VAT	Total price of products in the cart before VAT	▪ Comma for thousands separator ▪ Positive integer	2,106,000
6	Subtotal	Total price of products in the cart with VAT	▪ Right alignment	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			0978654321
12	Province	Choose from a list		Hanoi
13	Address			83 Duy Tan, Cau Giay district
14	Shipping instructions			

*Table D-Output data of displaying cart*

No	Data fields	Description	Display format	Example
1	Title	Title of a media product		CD Em về tỉnh khôì – Hà Anh Tuấn
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	<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

## 9. Postconditions