

# Use Case “Place Order”

## 1. Use case code

UC002

## 2. Brief Description

UC “Place Order” describes the interaction between customers and AIMS software when the customer wishes to place order.

## 3. Actors

### 3.1 Customer

## 4. Preconditions

None

## 5. Basic Flow of Events

- Step 1. The customer request to place order in 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 save order.
- Step 11. The AIMS software makes the cart empty.
- Step 12. The AIMS software displays the successful order notification.

## 6. Alternative flows

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	<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 5	If customer choose to place a rush order	<ul style="list-style-type: none"> <li>Insert use case "Place Rush Order"</li> </ul>	At Step 6
3.	At Step 5	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 3
4.	At Step 5	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 3

## 7. Input data

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name		Yes		Do Minh Hieu
2.	Phone Number		Yes		0987654321
3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		12, 34 Alley of Tran Thai Tong street, Cau Giay district
5.	Shipping instructions		No		

## 8. Output data

### *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			
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*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 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> </ul>	2,106,000
6.	Subtotal	Total price of products in the cart after VAT	<ul style="list-style-type: none"> <li>• Positive integer</li> <li>• Right alignment</li> </ul>	2,316,600
7.	Currency			VND

## 9. Postconditions

The AIMS software calculated the total amount of money which the customer has to pay.

# Use Case “Place Rush Order”

## 1. Use case code

UC003

## 2. Brief Description

This use case describes the interaction between Customer and AIMS Software when user wishes to place a rush order.

## 3. Actors

### 3.1. Customer

## 4. Preconditions

The AIMS system has saved the delivery information of the customer.

## 5. Basic Flow of Events

Step 1. The AIMS software checks if all media items and the shipping address support rush order.

Step 2. The AIMS software displays the screen for rush order.

Step 3. The customer update rush order information.

Step 4. The AIMS software check for input validity.

Step 5. The AIMS software changes the formula to calculate the shipping fees.

## 6. Alternative flows

No	Location	Condition	Action	Resume location
1.	At Step 1	If there aren't any items support rush order	The AIMS software notifies that no item supports rush order.	End use case

2.	At Step 1	If the shipping address doesn't support rush order	The AIMS software notifies that the shipping address doesn't support rush order.	End use case
3.	At Step 1	Only some items support rush order	The AIMS software put non-supported items in normal order.	At Step 2
4.	At step 4	If the input is invalid	<ul style="list-style-type: none"> <li>The AIMS software ask customer to update input.</li> <li>Customer updates the input.</li> </ul>	At Step 2

## 7. Input data

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name		Yes		Do Minh Hieu
2.	Phone Number		Yes		0987654321
3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		12, 34 Alley of Tran Thai Tong street, Cau Giay district
5.	Delivery time		Yes	From 7AM to 10 PM	5 to 7 P.M Tuesday, Oct 12 <sup>th</sup> 2021
6.	Shipping instructions		No		

## **8. Output data**

None

## **9. Postconditions**

None