

# USE CASE “PLACE ORDER”

## 1. Use case code

UC002

## 2. Brief Description

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

## 3. Actor

### 3.1 Customer

## 4. Preconditions

The customer has products in the shopping cart.

## 5. Basic Flow of Events

1. The customer views the shopping cart.
2. AIMS checks if the products are still available.
3. AIMS displays the shopping cart.
4. The customer requests to place an order.
5. AIMS displays the shipping information form.
6. The customer enters and submits the shipping information.
7. AIMS calculates the shipping cost.
8. AIMS displays the invoice.
9. The customer confirms the order.
10. AIMS transitions to UC001 "Pay order".
11. AIMS saves the order.
12. AIMS clears the shopping cart.

## 6. Alternative flows

No	Location	Condition	Action	Resume Location
1.	At step 3	If product is out of stock	- AIMS notifies that there is not enough left,	At step 2

			shows the remaining quantity and asks the customer to update the shopping cart. - Customer updates cart	
2.	At step 6	If customer requires fast delivery	- AIMS checks to see if any products support expedited shipping. - If not, ask the customer to re-enter (step 6) - If yes, AIMS goes to UC003 "Place rush order"	At step 8
3.	At step 7	If missing shipping information	AIMS requires customers to enter full	At step 5
4.	At step 7	If phone number is not valid	AIMS requires re-entering phone number	At step 5

## 7. Input data

*Table 1- Input data of delivery information*

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver name		Yes		Cao Thi Thu Ha
2.	Phone number		Yes	10 digits	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		Located near a coffee shop

## 8. Output data

*Table 2-Output data of order information and shipping fee*

No	Data fields	Description	Display format	Example
1.	Title	Title of media product		DVD Hello
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 number - Right alignment	2
4.	Amount	Total money of corresponding media	- Comma for thousands separator - Positive integer - Right alignment	246,000
5.	Subtotal	Total amount of all products in the order		2,123,000
6.	Shipping fee			30,000
7.	Total			2,153,000

*Table 3-Output data of order information and shipping fee*

No	Data fields	Description	Display format	Example
1.	Customer name			Cao Thi Thu Ha
2.	Phone number			0987654321
3.	Province			Hanoi
4.	Address			12, 34 Alley of Tran Thai Tong street, Cau Giay district
5.	Total amount		Right alignment Vietnamese currency (VND)	1,000,000 VND
6.	Transaction ID			
7.	Transaction content			

8.	Transaction date		dd/mm/yyyy	17/09/2024
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**9. Postconditions**

Null