

Use Case “Place Order”

1. Use case code

UC001

2. Brief Description

This use case describes the interaction between Customer and AIMS software when Customer wish(es) to place an order

3. Actors

3.1 Customer

4. Preconditions

There is at least one item in the cart.

5. Basic Flow of Events

1. Customer views the cart and select the products they want to purchase
2. Customer requests to place an order
3. AIMS software checks the availability of products in the car
4. AIMS software displays the form of delivery information with order information
5. Customers enters and submits delivery information (see Table A)
6. AIMS software checks the input information
7. Customer selects order delivery options: rush order delivery or default order delivery
8. AIMS software checks the delivery method
9. AIMS software calculates the payment and displays to customer (see Table B)
10. Customer asks to pay order
11. AIMS software calls UC “Pay order”
12. AIMS software creates a new order
13. AIMS software sends invoice and payment transaction information to the customer's email
14. The AIMS software displays the successful order notification, the order and the transaction information (see Table C).

6. Alternative flows

Table 1-Alternative flows of events for UC “Place order”

No	Location	Condition	Action	Resume location
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1.	At Step 3	If the inventory quantity is insufficient	<ul style="list-style-type: none"> AIMS software asks customers to update the cart 	Resumes at Step 1
2.	At Step 6	If there are any required fields left blank or invalid information	<ul style="list-style-type: none"> AIMS software asks customers to update information 	Resumes at Step 5
3.	At Step 8	If customer chooses rush order delivery method	<ul style="list-style-type: none"> AIMS software calls UC “Place rush order” 	Resumes at Step 9
4.	At Step 12	If the order payment is not successful or goes back from payment		Resumes at Step 9

7. Input data

Table A-Input data of delivery informatin

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name	Receiver’s name	Yes	English letters	Do Minh Hieu
2.	Phone number	Receiver’s phone number	Yes	10 digits	0987654321
3.	Province	Choose from a list	Yes	NONE	Hanoi
4.	Address	Receiver’s address	Yes	NONE	12, 34 Alley of Tran Thai Tong street, Cau Giay district
5.	Shipping instructions	Shipping instructions	No	NONE	Hide receiver information

8. Output data

Table B-Output data of order information and shipping fee

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product	NONE	DVD Phim Vượt ngục

2.	Price	Price of the corresponding media	- Comma for thousands - 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	- Comma for thousands - Positive integer - Right alignment	246,000
5.	Subtotal	Total amount of all products in the order		2,316,600
6.	Shipping fees	Shipping fees		30,000

Table C-Output data of general information of order and transaction info

No	Data fields	Description	Display format	Example
1.	Customer name	Customer's name	English letters	Do Minh Hieu
2.	Phone number	Customer's phone number	10 digits	0987654321
3.	Province	Choose from a list	NONE	Hanoi
4.	Address	Customer's address	NONE	12, 34 Alley of Tran Thai Tong street, Cau Giay district
5.	Total amount	Total amount of all products in the order	- Right alignment - Vietnamese currency (VNĐ) - Vietnamese locale	1.200.000 VNĐ
6.	Transaction ID	Created by software	NONE	
7.	Transaction content	Default or edited by customer	NONE	
8.	Transaction date	Date of transaction	dd/mm/yyyy	05/10/2023

9. Postconditions

A new order is created, and its information is sent via email to the customer or nothing happens if payment is not successful.