

Use case - Pay Order

1. Use case code

UC02

2. Brief Description

The use case describes the interactions between AIMS software with the customer and VNPay when the customer desires to pay an order.

3. Actors

3.1. Customer

3.2. VNPay

4. Preconditions

The customer has confirmed the invoice. AIMS software has calculated the total amount of money that the customer has to pay.

5. Basic flow

Step 1. AIMS software displays the invoice (Table 1).

Step 2. Customer asks to pay the invoice.

Step 3. AIMS software redirects to VNPay with payment information.

Step 4. VNPay notifies the transaction result. (Table 2)

Step 5. AIMS software saves the payment transaction.

6. Alternative flow

No	Location	Condition	Action	Resume Location
1.	At Step 5	If the customer cancels the payment transaction		At Step 1

7. Input

Table 1. Input data of payment information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Card holder name		Yes		Mai Duc An
2.	Card number		Yes	10 digits	1234 5678 9876 5432
3.	Expiration date	The month, year of card expiration	Yes	mm/yy	12/26
4.	Security code		Yes		123456

8. Output data

Table 2. Output data of general information of order and transaction info

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	- 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 amount of all products in the cart before VAT		2,106,000
6.	Subtotal	Total amount of all products in the cart with VAT		2,316,000
7.	Shipping fee			30,000
8.	Total	Sum of subtotal and shipping fees		2,346,000
9.	Currency			VND
10.	Name			Mai Duc An
11.	Phone number			0123456789
12.	Province			Hanoi
13.	Address			1st Dai Co Viet, Hai Ba Trung, Hanoi
14.	Shipping instructions			

9. Postconditions

- AIMS software notifies successful payment.
- Order details are stored in the system.
- An email of successful order sent to.