

Use Case “Pay order”

1. Use case code

UC002

2. Brief Description

This use case describes the interaction between the customer, VNPay and AIMS when the customer wants to make a payment.

3. Actors

3.1 Customer

3.2 VNPay

4. Pre-conditions

AIMS has calculated the total price to be paid.

5. Basic Flow of Events

1. AIMS displays the payment screen (see Table 2)
2. Customer enters card information and confirms transaction
3. AIMS requests VNPay to process the transaction
4. VNPay processes the transaction
5. AIMS records the transaction information (see Table 3)

6. Alternative flows

Table 1 - Alternative flows of events for UC Pay order

No	Location	Condition	Action	Resume location
1.	At Step 3	If the customer cancels the payment transaction	▪ VNPay redirects to the software	Use case ends
2.	At Step 5	Invalid information	▪ Notifies the invalid information	1
3.	At Step 5	Insufficient payment value	▪ Notifies the insufficient payment value	Use case ends

7. Input data

Table 2 – Input data of purchasing information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Card owner		Yes		DINH VIET QUANG

2.	Card number		Yes		09123232134132
3.	Expiry		Yes	mm/yy	12/23
4.	PIN code		Yes		246891

8. Output data

Table 3 - Output data of invoice

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		“MTP” DVD
2.	Price	Price of the corresponding product	- Positive integer - Separate thousands by commas - Right-aligned	100,000
3.	Quantity	Quantity of products		5
4.	Amount	Total price of the corresponding product		500,000
5.	Subtotal before VAT	Total price in the cart before VAT		500,000
6.	Subtotal	Total price in the cart including VAT		550,000
7.	Shipping fee			40,000
8.	Total price	Sum of subtotal and shipping fees		590,000
9.	Currency	Vietnamese currency		VND
10.	Customer name			DINH VIET QUANG
11.	Phone number			0123456789
12.	Province	Choose from list		Ha Noi
13.	Address			No 1, Dai Co Viet street, Hai Ba Trung district
14.	Transaction date			01/01/2024

15.	Shpping instructions			Weekdays delivery
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9. Post-conditions: None