

## Use Case “Pay Order”

### I. Use case code: UC002

### II. Brief Description

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

### III. Actors

1. Customer
2. VNPay

### IV. Preconditions

AIMS has calculated the total price that customer needs to pay

### V. Basic Flow of Events

1. The AIMS software displays the invoice
2. Customer asks to pay the invoice
3. AIMS software redirects to VNPay with payment information
4. VNPay notifies the transaction result
5. AIMS software saves the payment transaction

### VI. Alternative flows

**Table 1 -Alternative flows of events for UC Pay Order**

No	Location	Condition	Action	Resume location
1.	At Step 3	If the fund in the customer’s account is insufficient	<ul style="list-style-type: none"><li>• AIMS software notifies that the customer’s fund is sufficient</li></ul>	Resumes at Step 1
2.	At Step 3	If the credit card details is invalid	<ul style="list-style-type: none"><li>• AIMS software notifies that the card details is invalid</li></ul>	Resumes at Step 1
3.	At Step 5	If the customer cancels the payment transaction	<ul style="list-style-type: none"><li>• AIMS software notifies that the transaction has been canceled</li></ul>	Resumes at Step 1
4.	At Step 5	If VNPay has system error or timeout	<ul style="list-style-type: none"><li>• AIMS software informs the customer about the transaction error and tell them to try again later</li></ul>	Resumes at Step 1

### VII. Input data

**Table 2 - Input data of invoice**

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Card holder name		Yes		Nguyen Duc Thang
2.	Card Number		Yes		123456789
3.	Expiration date		Yes	MM/YY	03/24
4.	Security Code		Yes		123456

**VIII. Output data****Table 3 - Output data of invoice**

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Phim From
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>	3
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 before VAT	<ul style="list-style-type: none"> <li>• Comma for thousands separator</li> <li>• Positive integer</li> <li>• Right alignment</li> </ul>	2,316,600
7.	Shipping fees		<ul style="list-style-type: none"> <li>• Comma for thousands separator</li> <li>• Positive integer</li> <li>• Right alignment</li> </ul>	30,000
8.	Total	Sum of subtotal and shipping fees	<ul style="list-style-type: none"> <li>• Comma for thousands separator</li> <li>• Positive integer</li> <li>• Right alignment</li> </ul>	2,346,000
9.	Currency			VND
10.	Name			Nguyen Duc Thang
11.	Phone number			0915486681
12.	Province			Thai Binh
13.	Address			12, 34 Alley of Tran Thai Tong street, Thai Binh City
14.	Shipping instructions			

## IX. Post conditions

- Successful transaction: The customer can view the order details and invoice via the provided link in the email notification.

- Failed transaction: The system logs may be reviewed to identify and address the underlying problem and notify to the customer.

