

Use Case “Pay Order”

1. Use case code

Pay Order

2. Brief Description

This use case describes the process of a customer paying for an order within the AIMS e-commerce software.

3. Actors

3.1. Customer

3.2. VNPay (external payment service)

4. Preconditions

1. Customer has selected products and added them to the cart.
2. Customer has entered or updated delivery information.
3. Customer has reviewed the cart and selected products for purchase.
4. Customer has selected the desired delivery method.
5. Customer has reviewed and confirmed the order.

5. Basic Flow of Events

1. Customer selects the "Pay Order" option.
2. The software initiates a check on the completeness and validity of the provided information.
3. Customer selects the payment method (supported by VNPay).
4. Customer provides necessary information as requested by VNPay to complete the transaction. (See table A)
5. The software communicates with VNPay to process the payment.
6. After a successful payment, the software will display the transaction ID, cardholder's name, deducted amount, transaction details, and transaction date and time. (See Table B.)

6. Input data

Table A-Input data of provides necessary information as requested by VNPay

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Bank account number		Yes	Integer greater than 1000000	74619911
2.	Customer name	Owner's name of the bank account	Yes	String not include number and special symbol, spaces are allowed	Nguyen Huu Trung Kien

7. Output data

Table B- Output data of display the transaction ID, cardholder's name, deducted amount, transaction details, and transaction date and time.

No	Data fields	Description	Display format	Example
1.	transaction ID			
2.	cardholder's name			Do Minh Hieu
3.	deducted amount		Right alignment Vietnamese currency (VNĐ) Vietnamese locale	1.200.000 VNĐ
4.	transaction details			
5.	transaction date and time		dd/mm/yyyy	05/10/2023

8. Postconditions

1. The order status is updated to "Pending Processing."
2. Transaction information is recorded in the system.
3. An email containing order and transaction details is sent to the customer.
4. The customer can review or cancel the order using the link provided in the email.