Use Case "Pay order"

1. Use case code

UC02

2. Brief Description

This use case provides a description of the interactions between AIMS software and the customer as well as VNPay software when customer wants to make payments for an order.

3. Actors

3.1 Customers.

3.2 VNPay

4. Preconditions

The customer has confirmed the order, and the AIMS software has calculated the total amount of money that the customer has to pay for the aforementioned order.

5. Basic flow

Step 1	AIMS software displays the bill
Step 2	Customer requests to pay for the bill
Step 3	AIMS software displays the payment instruction
Step 4	AIMS software checks for the transaction
Step 5	AIMS software saves the transaction information

6. Alternative flow

No	Location	Condition	Action	Resume Location
1.	At step 4	If the customer's transaction wasn't found	Display a warning	Step 3
2.	At step 5	If the customer cancels the payment transaction		Step 1
3.	At step 3	If the VNPay software is being maintained	Display a warning	Step 1

7. Input

Table 1: Input data of payment information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Card holder name		Yes		Pham Quang Huy
2.	Card number		Yes	10 digits	03649448301
3	Expiration date	The month, year of the card expired date	Yes	mm/yy	05/28
4.	Security code		Yes	3 digits	357

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 product		Frieren
2.	Price	Price of the product	- Comma for thousands separator - Positive value - Right alignment	49,000
3.	Quantity	Quantity of the items	- Positive value - Right alignment	3

4.	Amount	Total amount of money	- Comma for thousands separator	147,000
5.	Subtotal before VAT	Total amount of money before VAT	- Positive value	578,000
6.	Subtotal	Total amount of money (VAT included)	- Right alignment	635,800
7.	Shipping fee			25,000
8.	Total	Sum of subtotal and shipping fee		660,800
9.	Currency			VND
10.	Name			Pham Quang Huy
11.	Phone number			0394977199
12.	Province			Ha Noi
13.	Address			Ha Dong District, Ha Noi
14.	Shipping instructions			

9. Postconditions

- AIMS software notifies of the successful money transaction.
- Order details are saved in the system.
- An email of successful order is sent to the customer.