# Use Case “Pay order”

##### **Use case code**

UC02

##### **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.

##### **Actors**

* 1. Customers.
  2. VNPay

##### **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.

##### **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 |

##### **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 |

##### **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 |

##### **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 * Positive value * Right alignment | 147,000 |
| 5. | Subtotal before VAT | Total amount of money before VAT | 578,000 |
| 6. | Subtotal | Total amount of money (VAT included) | 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 |  |  |  |

##### **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.