# Use Case "Pay Order"

## 1. Use case code
- UC001

## 2. Brief Description
- This use case describes the interaction between the AIMS software with the customer and Interbank when the customer wishes to pay an order.

## 3. Actors
### 3.1. Customer
### 3.2. Interbank

## 4. Preconditions
- The precondition of this use case is that the AIMS software has calculated the total amount of money which the customer has to pay.
- No specification of output data is needed for the postcondition.

## 5. Basic flow of events
1. the AIMS software displays the payment screen
2. the customer enters credit card info and confirm to pay order
3. the AIMS software checks if the credit card info is in the correct format
4. the AIMS software asks the Interbank to pay order
5. the Interbank processes the payment transaction
6. the AIMS software saves the payment transaction

## 6. Alternative flows

Table 1- Alternative flows of events for UC Place order

| No | Location | Condition | Action | Resume location |
|----|----------|-----------|--------|-----------------|
| 1 | At step 4 | If the card info has wrong format | The software notifies that the card has wrong format | At step 1 |
| 2 | At step 5 | If the card info is invalid | The software notifies that the card is invalid | At step 1 |
| 3 | At step 5 | If the balance is not enough | The software notifies that the balance is not enough | At step 1 |

## 7. Input data

Table 2- Input data of payment information

| No. | Data fields | Description | Mandatory | Valid condition | Example |
|-----|-------------|-------------|-----------|-----------------|---------|
| 1. | Card holder name | | Yes | | DO MINH HIEU |
| 2. | Card number | | Yes | Has correct card format | 1234 5678 9876 8765 |
| 3. | Expiration date | The month of the year when the card expires | Yes | Contains the month and the last 2 digits of the year only | 02/23 |
| 4. | Security code | | Yes | | 145369 |

## 8. Output data

Table 3-Output data of displaying payment summary

| No | Data fields | Description | Display format | Example |
|----|-------------|-------------|----------------|---------|
| 1. | Payment number | The numerical number of the order | #XXXXXX | #123123 |
| 2. | Name | Customer's name | | DO MINH HIEU |
| 3 | Total money | The total money of that order | - Positive integer<br>- Comma for thousand<br>- Right alignment | 1,130,000 |
| 4. | Estimated receiving day | The day that the customer may receive the order | - dd/mm/yy | 10/03/2024 |

## 9. Postconditions