Use Case “Pay Order”

# Use case code

UC001

# Brief Description

This use case describes the interaction between the AIMS software with the customer and Interbank when the customer desires to pay an order.

# Actors

## AIMS software

## Customer

## Interbank

# 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. On the other hand, there is no need of specification of output data nor the postcondition. An incomplete example for the basic flow of events is listed as follows.

# Basic flow of events

* Step 1. the customer requests to pay order
* Step 2. the AIMS software shows the payment screen, requests the customer to enter information about payment method
* Step 3. the customer enters information about credit card and confirms order
* Step 4. the AIMS software checks the information
* Step 5. the AIMS software asks the Interbank to approve the transaction
* Step 6. the Interbank checks and approves and processes the transaction
* Step 7. the AIMS software saves the transaction and order

# Alternative flows

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 |

# Input data

*Table 1- Input data of delivery information*

*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 |

# 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 |  | Phan Kim Hải | |
| 3 | Total money | The total money of that order | * Positive integer * Comma for thousand * Right alignment | 1,130,000 | |
| 4. | Estimated receiving day | The day that the customer may receive the order | - dd/mm/yy | 05/10/2020 | |

# 9. Postconditions