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

|  |  |  |
| --- | --- | --- |
| # | Doer | Action |
| 1 | Software | Display the payment screen |
| 2 | Customer | Enter card info and confirm to pay order |
| 3 | Software | Check if the card info is in correct format |
| 4 | Software | Ask the Interbank to pay order |
| 5 | Interbank | Check the validity of the customer’s credit card, pay the bill, and write down the transaction history. |
| 6 | Software | Respond to Interbank to confirm the transaction. Check the amount of received money, compare its to the customer’s bill.  Confirm 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*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Data fields | Description | Mandatory | Valid condition | Example |
| 1. | Receiver Name |  | Yes |  | DO MINH HIEU |
| 2. | Phone Number |  | Yes |  | 0335565272 |
| 3. | Province | Choose from a predefined list | Yes |  | Hanoi |
| 4. | Address |  | Yes |  | 12, 34 Alley of Tran Thai Tong Street, Cau Giay district |
| 5. | Shipping instructions |  | No |  |  |

*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 |  | Yes | Consist of month and last 2 digits of year only | 01/23 |

# Output data

*Table 3-Output data of displaying invoice*

Table

Description automatically generated

Table

Description automatically generated

Table

Description automatically generated

# 9. Postconditions