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 desires 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. 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.

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