Use case "Pay Order"

1. **Use case code**
   UC001
2. **Brief Description**
   This use case describes the interactions between the AIMS software with the customer and Interbank when the customer desires to pay order.
3. **Actors**
3.1 **Customer**
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.
5. **Basic flow of events**
   Step 1.The AIMS software displays the payment screen
   Step 2.The customer enters credit card info and confirms to pay order
   Step 3.The AIMS software asks the Interbank to process the payment transaction
   Step 4.The Interbank processes the payment transaction
   Step 5.The AIMS software saves the payment transaction
   Step 6.The AIMS software displays transaction information
6. **Alternative flows**

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

7. **Input data**

No	Data fields	Description	Mandatory	Valid condition	Example

1	Card holder name		Yes	Maximum 50 characters	CAO THANH DUY
2	Card number		Yes	16 digits	1234 5678 5986
3	Expiration date		Yes	Month and last 2 digits of year only	01/21
4	Secutiry code		Yes	3 digits	123

8. Output data

No	Data fields	Description	Display format	Example
1	Transaction ID			
2	Card holder name			CAO THANH DUY
3	Amount		Right alignment	1200000 VND
4	Transaction Content			
5	Transaction Date		Dd/mm/yyyy	12/1/2023

9. Postconditions

No postconditions

Use case "Place Order"

1. **Usecase code**

   UC002

2. **Brief Description**

   This use case describes the interaction between customers and AMIS software when the customer wishes to place order

3. **Actors**

   Customer

4. **Preconditions**

   No

5. **Basic flow of events**

   Step 1.The customer requests to place order in the cart

Step 2. The AIMS software checks the availability of products in the cart

Step 3. The AIMS software displays the form of delivery information

Step 4. The customer enters and submits delivery information

Step 5. The AIMS software calculates shipping fees

Step 6. The AIMS software displays the invoice

Step 7. The customer confirms to place order

Step 8. The AIMS software calls UC "Pay order"

Step 9. The AIMS software creates a new order

Step 10. The AIMS software makes the cart empty

Step 11. The AIMS software sends email about the order notification and information

Step 12. The AIMS software displays the successful order notification and the order information

6. **Alternative flows**

No	Location	Condition	Action	Resume location
1	At step 3	If the products are not available	The software notifies that the products in the cart are not available and comeback to the use case "View cart"	Use case ends
2	At step 5	If the delivery info is invalid	The software notifies that the delivery info is invalid	At step 3
3	At step 5	If the user chooses to place a rush order	The software inserts use case "Place rush order"	At step 5
4	At step 9	If the order payment is not successful	The software notifies that the payment is not successful	At step 8

7. **Input data**

No	Data fields	Description	Mandatory	Valid condition	Example
1	Receiver name		Yes		CAO THANH DUY
2	Phone number		Yes	10 digits	0947199367
3	Province	Choose from a list	Yes		Hanoi

4	Address		Yes		1 Dai Co Viet, Hai Ba Trung district, Hanoi
5	Shipping instruction		No		

8. Output data

No	Data fields	Description	Display format	Example
1	Title	Title of a media product		DVD Kingsman
2	Price	Price of the corresponding media product	Comma for thousands separator Positive integer Right alignment	123000
3	Quantity	Quantity of the corresponding media	Positive integer Right alignment	2
4	Amount	Total money of the corresponding media	Comma for thousands separator Positive integer Right alignment	246000
5	Subtotal Before VAT	Total price of the products in the cart before VAT	Comma for thousands separator Positive integer Right alignment	2000000
6	Subtotal	Total price of the products in the cart after VAT	Comma for thousands separator Positive integer Right alignment	2200000
7	Shipping fees			30000
8	Total	Sum of subtotal and shipping fees		2230000
9	Currency			VND
10	name			Cao Thanh Duy
11	Phone number			0916987367

12	Province	Choose from a list		Hanoi
13	Address			1 Dai Co Viet, Hai Ba Trung district, Hanoi
14	Shipping instruction			

9. **Postconditions**
   No

Use case "Place Rush Order"

1. **Use case code**
   UC003
2. **Brief description**
   This use case describes the interaction between customers and AMIS software when the customer wishes to place order and received the items ordered at a fixed time
3. **Actors**
   Customer
4. **Preconditions**
   Customers are placing on order and want to placing an rush order
5. **Basic flow of events**
   Step 1.The customer requests to place order in the cart
   Step 2.The AIMS software checks the availability of products in the cart
   Step 3.The AIMS software displays the form of delivery information
   Step 4.The customer enters and submits delivery information
   Step 5.The AIMS software calculates shipping fees
   Step 6. The customer request to place a rush order
   Step 7. The AIMS software displays the form of the rush order information
   Step 8. The customer enters and submits information
   Step 9. The AIMS software displays the invoice
   Step 10. The customer confirms to place order
   Step 11. The AIMS software calls UC "Pay order"
   Step 12.The AIMS software creates a new order

Step 13. The AIMS software makes the cart empty

Step 14. The AIMS software sends email about the order notification and information

Step 15. The AIMS software displays the successful order notification and the order information

6. **Alternative flows**

No	Location	Condition	Action	Resume location
1	At step 3	If the products are not available	The software notifies that the products in the cart are not available and comeback to the use case "View cart"	Use case ends
2	At step 5	If the delivery info is invalid	The software notifies that the delivery info is invalid	At step 3
3	At step 9	If the order payment is not successful	The software notifies that the payment is not successful	At step 8

7. **Input data**

No	Data fields	Description	Mandatory	Valid condition	Example
1	Receiver name		Yes		CAO THANH DUY
2	Phone number		Yes	10 digits	0947199367
3	Province	Choose from a list	Yes		Hanoi
4	Date		Yes	Day, month and year	Dd/mm/yyyy
5	Time		Yes	Time and minute	15:30
6	Address		Yes		1 Dai Co Viet, Hai Ba Trung district, Hanoi

| 7 | Shipping instruction | | No | | |

8. Output data

No	Data fields	Description	Display format	Example
1	Title	Title of a media product		DVD Kingsman
2	Price	Price of the corresponding media product	Comma for thousands separator Positive integer Right alignment	123000
3	Quantity	Quantity of the corresponding media	Positive integer Right alignment	2
4	Amount	Total money of the corresponding media	Comma for thousands separator Positive integer Right alignment	246000
5	Subtotal Before VAT	Total price of the products in the cart before VAT	Comma for thousands separator Positive integer Right alignment	2000000
6	Subtotal	Total price of the products in the cart after VAT	Comma for thousands separator Positive integer Right alignment	2200000
7	Shipping fees			30000
8	Total	Sum of subtotal and shipping fees		2230000
9	Currency			VND
10	name			Cao Thanh Duy
11	Phone number			0916987367
12	Province	Choose from a list		Hanoi
13	Address			1 Dai Co Viet, Hai Ba Trung district, Hanoi

14	Shipping instruction			

9. Postconditions

No