1.1 Specification of Use case UC001 – "Place Order"

1. Use case code

UC001

2. Brief Description

This use case describes the interaction between Customer and AIMS when Customer wishes to Place an order, after surfing enough items for the cart.

3. Actors
3.1 Customer
3.2 AIMS
3.3 VNPay
4. Preconditions

There is an active network connection to the Internet.

5. Basic Flow of Events

Table 1-Basic flow of events for UC Place order

No	Doer	Actions
1.	Customer	Customer Views Cart
2.	System	System check the availability of products in the cart
3.	System	System display the cart
4.	Customer	Customer request to place order
5.	System	System display the form of delivery information and delivery instructions
6.	Customer	Enter and submit delivery information and delivery instructions
7.	System	Calculate shipping fees
8.	System	Display the invoice
9.	Customer	Confirm the place order
10.	System	Call Use case "Pay Order"

11.	System	Create a new order
12.	System	Make a cart empty
13.	System	The AIMS System sends email about the order notification and information
14.	System	Display successful the successful order notification and the order information

6. Alternative flows

Table 2-Alternative flows of events for UC Place order

No	Location	Condition	Action	Resume location
1.	At Step 3	The products in the cart are not avaiable	▪ System notifies that the products in the cart are not avaiable and comeback to the use case "View cart"	Use case ends
2.	At Step 7	If delivery information is not valid	▪ Sytem notifes that delivery information is not invalid (blank or wrong format)	Step 5

7. Input data

Table A-Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver name		Yes		Ong The Tung
2.	Phone number		Yes	10 digits	0123456789
3.	Province	Choose from list	Yes		Hanoi
4.	Address		Yes		Ktx BK Hanoi
5.	Shipping instructions		No		

8. Output data

Table 3-Output data of displaying invoice

No	Data fields	Description	Display format	Example
1.	Title	The media product		Book Mody-Dick
2.	Price	Price of the corresponding media product	- Comma for thousand separator - Positive integer - Right alignment	1,000,000
3.	Quantity	Quantity of the corresponding media product	- Positive integer - Right alignment	2
4.	Amount	Total money of the corresponding media	- Positive integer - Right alignment	2,000,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT	- Comma for thousand separator	3,000,000
6.	Subtotal	Total price of products in the cart after VAT	- Positive integer - Right alignment	3,300,000
7.	Shipping fees			50,000
8.	Total	Sum of subtotal and shipping fees		3,350,000
9.	Currency			VND
10.	Name			Ong The Tung
11.	Phone number			0123456789
12.	Province	From list		Hanoi
13.	Address			Ktx BK Hanoi
14.	Shippings intructions			

9. Postconditions
1. Postconditions

After successful payment, the system will display the encrypted transaction (transaction ID), cardholder name, amount, transaction content, transaction by date and time.