Use Case "Place order"

1. Use case code

UC02

2. Brief Description

This use case provides a description of the interactions between AIMS software and the customer when the customer wants to place an order

3. Actors

3.1 Customers.

4. Preconditions

There exists at least one item in the cart

5. Basic flow

Step 1	Customer requests to place an order in the cart
Step 2	AIMS software checks whether all items in the cart are available or not
Step 3	AIMS software asks customer to fill in delivery information
Step 4	Customer fills in all delivery information (Table 1.)
Step 5	AIMS software calculates and displays order and shipping fees (Table 2.)
Step 6	Customer requests to pay the order
Step 7	AIMS software calls "Pay Order" use case
Step 8	AIMS software saves the order information back to the server
Step 9	AIMS software reset the cart
Step 10	AIMS software sends an email regarding the order's information

6. Alternative flow

No	Location	Condition	Action	Resume Location
1.	At step 2	If the items are not available	AIMS software notifies the user that some products are no longer available	Use case ends
2.	At step 4	If the customer does not enter all the necessary fields	AIMS software asks the customer to fill all required fields	Step 4
3.	At step 5	If the customer requests to make a rush order	AIMS software calls the "Place a rush order" use case	Step 6
4	At step 7	If the user's transaction wasn't found	AIMS software notifies the user for an unsuccessful paying attempt	Step 6
5	At step 6	If the system waits for too long without any responds from the customer	AIMS software cancels the user's attempt to pay	Use case ends

7. Input

Table 1: Input data of payment information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Customer's name		Yes		Pham Quang Huy

2.	Customer's phone number		Yes	10 digits	0394977199
3	Customer email		Yes	The standard form of an email	huypham261203@gmail.com
4.	Customer's address		Yes		

8. Output data

Table 2. Output data of general information of order and transaction info

No	Data fields	Description	Display format	Example
1.	Title	Title of a product		Frieren
2.	Price	Price of the product	- Comma for thousands separator - Positive value - Right alignment	49,000
3.	Quantity	Quantity of the items	- Positive value - Right alignment	3
4.	Amount	Total amount of money	- Comma for thousands separator - Positive value - Right alignment	147,000
5.	Subtotal before VAT	Total amount of money before VAT		578,000
6.	Subtotal	Total amount of money (VAT included)		635,800
7.	Shipping fee			25,000
8.	Total	Sum of subtotal and shipping fee		660,800
9.	Currency			VND
10.	Name			Pham Quang Huy
11.	Phone number			0394977199
12.	Province			Ha Noi
13.	Address			Ha Dong District, Ha Noi
14.	Shipping instructions			

9. Postconditions

- AIMS software notifies of the successful money transaction.
- Order details are saved in the system.
- An email of successful order is sent to the customer.