

Use Case Place Order

1. Use case code

UC003

2. Brief Description

This use case describes the interaction between customer and AIMS software when customer want to place an order.

3. Actors

3.1 Customer

3.2 AIMS software.

4. Preconditions

- Customer had reviewed the cart and selected the products he/she wanted to purchase.

5. Basic Flow of Events

1. The customer choose to place an order.
2. The customer entering delivery information. (see Table A)
3. The actor choose to pay an order.
4. The software will display and temporarily save invoice information. (see Table B)
5. The customer chooses the payment method.
6. Customer provide all the necessary information and steps as requested.
7. Customer adjust the delivery method or the items want to purchase.
8. The software will display general information of the order and transaction information after a successful payment. (see Table C)
9. The software will send invoice and payment transaction information to the customer's email.
10. The software records the payment transaction information and the successfully paid order.

6. Alternative flows

Table N-Alternative flows of events for UC Place order

No	Location	Condition	Action	Resume location
1.	At Step 1	If the inventory quantity is not sufficient to provide to the customer	▪ The software will ask customers to update the cart if the inventory quantity is insufficient and	Resumes at Step 1

			will display the inventory quantity for each unmet product	
2.	At Step 2	If there are any required fields left blank or invalid information	<ul style="list-style-type: none"> The software will ask the customer to update input information 	Resumes at Step 2
3.	At Step 7	If customer choose to place rush order	<ul style="list-style-type: none"> The software allow customer to place rush order 	Resumes at Step 7

7. Input data

Table A-Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Recipient name			No numbers or special characters except for backspace	Barney Stinson
2.	Phone number			No more or less than 11 number, no word	0357184334
3.	Province/city for delivery			Need to be a real place	Hanoi
4.	Delivery address				No. 19, Pham Ngoc Thach Street, Phuong Lien Ward, Dong Da District, Hanoi

8. Output data

Table B-Output data of save invoice information

No	Data fields	Description	Display format	Example
1.	The list of products in the cart			
2.	Quantity	Number of a specific products in the cart		

3.	Product prices			\$1000.00
4.	Total product price excluding VAT	Total price before VAT tax		\$1000.00
5.	Total product price including VAT	Total price after VAT tax		\$2000.00
6.	Delivery fee			\$232.99
7.	Total amount to be paid	Total amount of money need to be paid including total product price after VAT and delivery fee		\$3442.99

Table C-Output data of information of the order and transaction information

No	Data fields	Description	Display format	Example
1.	Customername		No numbers or special characters except for backspace	Barney Stinson
2.	Phone number		No more or less than 11 number, no word	0354324533
3.	Shipping address			No. 19, Pham Ngoc Thach Street, Phuong Lien Ward, Dong Da District, Hanoi
4.	Province			Hanoi
5.	Total amount			\$1000.00
6.	Transaction ID	Customer account number		9704198526191432198
7.	Transaction content			
8.	Transaction datetime		DD/MM/YY	20/03/24

9. Postconditions

- The order will be in a pending processing state.

- The software will send invoice and payment transaction information to the customer's email.
- Customers can go back to any step or exit the software during the ordering process.
- The software records the payment transaction information and the successfully paid order.