

Use Case “Place Order with Place Rush Order”

1. Use case code

UC00X

2. Brief Description

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

3. Customers

3.1 Customer 1

4. Preconditions

Because each customer will place orders from his/her cart so the precondition will be the cart is not empty.

5. Basic Flow of Events

1. Customer requests to place an order in the cart.
2. AIMS software checks whether the inventory quantity is sufficient to provide to the customer.
3. AIMS software displays the form of delivery information with order information
4. AIMS software asks customers to set up or update delivery information.
5. Customer enters and submits delivery information (see Table A)
6. AIMS software checks if the input information is valid.
7. AIMS software calculates and displays order and shipping fees
8. The customer asks to pay order.
9. The AIMS software calls UC “Pay order”
10. The AIMS software makes a new order.
11. The AIMS software deletes all products in the cart.
12. The AIMS software makes an order notification and sends to the customer, the customer can click to the notification to view the detail information of the order.
13. The AIMS software displays the successful order notification, the order and the transaction information (see in table C)

6. Alternative flows

Table N-Alternative flows of events for UC Place order

No	Location	Condition	Action	Resume location
1.	At step 2	If the products are not available	<ul style="list-style-type: none">The software will ask customers to update the cart if the inventory quantity is insufficient and will display the inventory quantity for each unmet product. After updating the cart, customers can request to place the order again.	Use case end
2.	At Step 7	If the information customer provide is invalid	<ul style="list-style-type: none">the software ask customers to update if there are any required fields left blank or invalid information. Each time customers enter or update the delivery address, the software will calculate (or recalculate) and display the delivery fee.	Use case ends

3.	At step 7	If customer choose "Place Rush order"	<ul style="list-style-type: none"> • The AIMS software inserts use case "Place Rush Order" • The software checks whether the delivery address supports this service and if any products are eligible. If no products are eligible or the delivery address doesn't support rush order delivery, the software prompts the customer to update the delivery information or delivery method. • In cases where both the products and delivery address support rush order delivery, the software requests additional rush order delivery information from the customer (delivery time for rush order delivery, delivery instructions) • If only certain products are eligible for rush order delivery, these items will be delivered together to the designated rush order delivery location at the prearranged time. Products that are not eligible for rush order delivery will be delivered as usual. Delivery fees will be calculated and displayed separately for regular delivery items (if any) and rush order delivery items. • If all products in the order are eligible for rush order delivery, they will be delivered together to the designated rush order delivery location at the prearranged time. Delivery fees will be calculated and displayed for this group of products. • 	At step 8
4.	At step 7	Customers adjust the delivery method or the items they wish to purchase if necessary.	<ul style="list-style-type: none"> • The software recalculates the delivery fees and updates the corresponding invoice. Delivery fees depend on the weight of the products and the delivery location. 	At step 8
5.	At step 10	If the order payment is not successful or goes back from payment	<ul style="list-style-type: none"> • The software asks the customer to change their payment. 	At step 5

7. Input data

Table A-Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name	Username of the customer	Yes		Pham Nhat Minh
2.	Phone Number	Number to make contact with the customer	Yes	10 digits	0123456789
3.	Province	All the provinces are enum in the list for select	Yes		Phu Tho
4.	Address	Detail	Yes		72 Hung Tien, Doan Hung, Phu Tho
5.	Shipping instructions	Provided by the exporter (or agent) to the carrier, containing details of the cargo to be shipped	Yes		
6.	Quantity of each product		Yes		

8. Output data

Table B-Output data of order information and shipping fee

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD phim Mai
2.	Price	Price of the corresponding media Product	<ul style="list-style-type: none"> Comma for thousands separator Positive integer Right alignment 	1,000,000
3.	Quantity	Quantity of the corresponding media	<ul style="list-style-type: none"> Positive integer Right alignment 	6
4.	Amount	Total money of the corresponding media	<ul style="list-style-type: none"> Comma for thousands separator Positive integer Right alignment 	246,000
5.	Subtotal	Total amount of all products in the order	<ul style="list-style-type: none"> Positive Integer 	20
6.	Shipping fee	Fee on delivery	<ul style="list-style-type: none"> Comma for thousands separator 	20,000

			<ul style="list-style-type: none"> • Positive integer • Right alignment 	
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Table C-Output data of general information of order and transaction info

No	Data fields	Description	Display format	Example
1.	Customer name	Full name of the customer	<ul style="list-style-type: none"> • Text 	Pham Nhat Minh
2.	Phone number	Phone number to contact with the customer	<ul style="list-style-type: none"> • String of number 	0123456789
3.	Province	Province of the Customer	<ul style="list-style-type: none"> • Text 	Phu Tho
4.	Address	Detail address	<ul style="list-style-type: none"> • Text 	72 Hung Tien, Doan Hung, Phu Tho
5.	Subtotal	Total amount of all products in the order	<ul style="list-style-type: none"> • Right alignment • Vietnamese currency (VNĐ) • Vietnamese locale 	2.900.000 VNĐ
6.	Transaction ID	ID of the transaction	<ul style="list-style-type: none"> • Text 	FSAD323442IFSD
7.	Transaction content	Content of the transaction	<ul style="list-style-type: none"> • Text 	Transaction of customer 1
8.	Transaction date	Time make transaction	<ul style="list-style-type: none"> • dd/mm/yyyy 	01/01/2024