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## **Use Case “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. Actors**

3.1 Customers

3.2 System

### **4. Preconditions**

None

### **5. Basic Flow of Events**

5.1 The customer request to place order

5.2 The AIMS software display the cart

5.3 The customer confirms to cart

5.4 The AIMS software checks the validity of the products

5.5 The AIMS software displays the form of delivery information

5.6 The customer enters and submits delivery information

5.7 The AIMS software check the validity of delivery information

5.8 The AIMS software calculates shipping fees

5.9 The customer confirms to place order

5.10 The AIMS software save order

5.11 The AIMS software makes the cart empty

5.12 The AIMS software displays the successful order notification.

### **6. Alternative flows**

*Table N-Alternative flows of events for UC Place order*

No		Location	Condition	Alternative flow	Resume location
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1.		At Step 5.4	If the cart has any invalid product	<ul style="list-style-type: none"> <li>▪ Notice that a product is not available</li> <li>▪ Remove invalid products</li> </ul>	Resumes at Step 5.2
2.		At Step 5.7	If declare information in the wrong format	<ul style="list-style-type: none"> <li>▪ show wrong format message</li> </ul>	Resumes at Step 5.5
3.		At Step 5.10	If the customer does not confirm		Resumes at Step 5.2
4.		At Step 5.11	If the payment is not successful	<ul style="list-style-type: none"> <li>▪ show fail message</li> </ul>	Resumes at Step 5.2
5.		At Step 5.5	If the customer choose rush delivery	<ul style="list-style-type: none"> <li>▪ Check if the current products were available for rush delivery</li> <li>▪ If there are any product not for rush delivery, inform customer that these products will be delivery in the standart delevivery method</li> <li>▪ Choose delivery date for rush order.</li> </ul>	Resume at Step 5.6
6.		At Step 5.8	If there are any rush order products in customer's confirmed order	<ul style="list-style-type: none"> <li>▪ Return the delivery fee in the different price</li> </ul>	Resume Step 5.9

## 7. Input data

*Table A-Input data of delivery information*

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Customer's name	String	Yes	No Special character	Nguyen Van A
2.	Phone	String	Yes	Only digits	0123456789
3.	Province	Choose from list	Yes		Ha Noi
4.	Address	String	Yes		123 duong A, phuong B, quan C, thanh pho D
5.	Shipping instructions	String	No		

## 8. Output data

*Table B-Output data of a product*

No	Data fields	Description	Display format	Example
1.	Name	Name of the product	String	DVD Doraemon
2.	Price	Price of the product	Positive Integer	200000
3.	Quantity	The number of product	Positive Integer	3
4.	Total	Total price of the product	Positive Integer	600000

*Table C-Output data of invoice*

No	Data fields	Description	Display format	Example
1.	List of product	All information in table B	Name   Price Quantity Total	DVD Doraemon  200000  3 600000
2.	Subtotal	Price of all product without VAT	-Positive Integer -Right alignment	3000000
3.	VAT	Value-Added Tax		300000

4.	Shipping fees	Total price of the product		50000
5.	Total Price	Sum of Subtotal, VAT and fees		3350000
6.	Currency			VND
7.	Name	Recipient Name	String	TRAN VAN B
8.	Phone	Recipient's phone	String	0123456789
9.	Province		String	Nghe An
10.	Address	Delivery address	String	123 Duong A, Phuong B, Thanh pho C
11.	Shipping instructions		String	

*Table D-Output data of cart*

No	Data fields	Description	Display format	Example
1.	List of product	All information in table B	Name   Price Quantity Total	DVD Doraemon 200000 3 600000
2.	Subtotal	Price of all product without VAT	-Positive Integer -Right alignment	3000000
3.	VAT	Value-Added Tax		300000
5.	Total Price	Sum of Subtotal, VAT and fees		3350000
6.	Currency			VND

## 9. Postconditions

## 10. Activity diagram

actPlace Order

