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Use Case "Place Order"

In the AIMS Project, UC "Place Order" describes the interaction between customers and AIMS software when the customer wishes to place an order.

Basic flow:

Step 1. The customer requests to place an order on the view cart screen

Step 2. The AIMS software checks the availability of products in the cart

Step 3. The AIMS software displays the form of delivery information

Step 4. The customer enters and submits delivery information

Step 5. The AIMS software checks the validity of delivery information

Step 6. The AIMS software calculates shipping fees

Step 7. The AIMS software displays the invoice

Step 8. The customer confirms to place order

Step 9. The AIMS software calls UC "Pay order"

Step 10. The AIMS software saves order

Step 11. The AIMS software makes the cart empty

Step 12. The AIMS software displays the successful order notification.

Table 1: Alternative flow for UC "Place Order":

No	Location	Condition	Action	Resume location
1	At step 2	If there is media of which quantity in the stock is less than the ordered quantity	- The AIMS software asks the customer to update the cart. - The customer updates the cart	At step 1
2	At step 3	If customer choose to place an rush order	The AIMS software inserts use case **"Place rush order"**,	At step 6
3	At step 5	If mandatory field is left blank or there exists invalid input	The AIMS software asks the customer to fill all the mandatory blank and enter a valid input	At step 3

Use case "Place rush order"

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

Basic flow:

1. The AIMS software display rush order form
2. The customer enters and submits delivery information (delivery instructions, and expected delivery time interval)
3. The AIMS software checks the validity of delivery information.
4. The AIMS Software checks if there is media and the shipping address that are supported to place rush order

Table 2: Alternative flow for UC "Place Rush Order":

No	Location	Condition	Action	Resume location
1	At step 3	If mandatory field is left blank or there exists invalid input	The AIMS software asks the customer to update delivery information	At step 2
2	At step 4	If there is no support rush order either from any media or the shipping address	The software would notify the customer and ask the customer to update delivery information	At step 2
3	At step 4	If some products do not support rush order and customer does not update delivery information	The AIMS software displays that these products will be shipped as usual	At step 5

Table 3: Input data of delivery information:

No	Data fields	Description	Mandatory	Valid condition	Example
1	Receiver name		Yes		Nguyen Hoang Quan
2	Phone number		Yes	Must contain exactly 10 numbers	0965757999
3	Province	Choose from a list	Yes		Hanoi
4	Address		Yes		32 Dati Tu
5	Scheduled time	Time to wish the media to be delivery	Yes	No earlier than the order time	15:00 8/03/2024
6	Shipping instructions		No		

Table 4: Output data of displaying invoice

*Note: the rows with italic font style are repeated for all media products in the cart/invoice

No	Data fields	Description	Display format	Example
1	*Title*	*Title of a media product*		*DVD The Lion King*
2	*Type of delivery*		*Only display Usual or Rush*	*Rush*

3	*Price*	*Price of the corresponding media product*	*-Comma for thousands separator* *-Positive integer* *-Right alignment*	*100,000*
4	*Quantity*	*Quantity of the corresponding media*	*-Positive integer* *-Right alignment*	*2*
5	*Amount*	*Total money of the corresponding media*	*-Comma for thousands separator* *-Positive integer* *-Right alignment*	*200,000*
6	Subtotal before VAT	Total price of products in the cart before VAT	-Comma for thousands separator	200,000
7	Subtotal	Total price of products in the cart with VAT	-Positive integer -Right alignment	220,000
8	Shipping fees for rush order			80,000
9	Shipping fees for usual order			30,000
10	Total	Sum of subtotal and shipping fees		300,000
11	Currency			VND
12	Receiver name			Nguye Hoang Quan
13	Phone number		Must contain exactly 10 numbers	0965757999
14	Province	Choose from a list		Hanoi
15	Address			32 Dai Tu
16	Shipping instructions			

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