

Use Case “Place Order”

1. Use case code:

UC001

2. Brief Description:

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

3. Actors:

3.1. Customer

3.2. Software

4. Preconditions:

There is an active network connection to the Internet

5. Basic Flow of Events:

#	Doer	Action
1	Customer	The customer views the cart
2	Software	The AIMS software checks the availability of products in the cart
3	Software	The AIMS software displays the cart
4	Customer	The customer requests to place order
5	Software	The software displays the form of delivery information
6	Customer	The customer enters and submits delivery information
7	Software	Calls UC “Place Rush Order”
8	Software	The software calculates shipping fee
9	Software	The software displays the invoice
10	Customer	The customer confirms to place order
11	Software	The AIMS software calls UC “Pay order”
12	Software	The software creates a new order
13	Software	The AIMS software makes the cart empty
14	Software	Displays the successful order notification

6. Alternative flows:

No	Location	Condition	Action	Resume Location

1	At step 4	If there is media of which quantity in the stock is less than the ordered quantity	- The AIMS Software asks customer to update the cart. - The customer updates the cart	Resumes at step 3
2	At step 7	If a mandatory field is left blank	-Software asks the customer to fill all the mandatory blank	Resumes at step 6
2	At step 7	If the phone number is invalid	-Software asks the customer to enter a valid phone number	Resumes at step 6

7. Input Data:

Table 1: Input Data of Delivery Information

No	Data Fields	Description	Mandatory	Valid condition	Example
1	Receiver Name	Fill in the blank	Yes	Must be string	Quyen Quang Huy
2	Phone Number	Fill in the blank	Yes	Must be numbers	012345678
3	Province	Choose from the list	Yes		Hanoi
4	Address	Fill in the blank	Yes		49, Kham Thien street, Dong Da Province, Hanoi
5	Shipping Instructions	Fill in the blank	No		

8. Output Data:

Table 2: Output Data of Displaying Invoice

No	Data fields	Description	Display Format	Example
1	Title	Title of media product		DVD Avenger: End Game
2	Price	Price of the corresponding media product	-Comma for thousands separator -Positive integer -Right alignment	123,000
3	Quantity	Quantity of the corresponding media	-Positive integer -Right alignment	2
4	Amount	Total money of corresponding media	-Comma for thousands separator -Positive integer -Right alignment	246,000
5	Subtotal Before VAT	Total price of products in the cart before VAT	-Comma for thousands separator -Positive integer -Right alignment	2,106,000
6	Subtotal	Total price of products in the cart with VAT		2,316,000
7	Shipping fees			30,000
8	Total	Sum of subtotal and shipping fees		2,346,000
9	Currency			VND
10	Name	Name of customer		Quyen Quang Huy
11	Phone Number	Customer's phone number		012345678

12	Province	Choose from a list		Ha Noi
13	Address	Address of customer		49, Kham Thien Street, Dong Da Province, Ha Noi
14	Shipping Instructions			

Table 3: Output data of displaying cart

No	Data fields	Description	Display Format	Example
1	Title	Title of a media product		CD Em ve tinh khoi-Ha Tran
2	Price	Price of the corresponding media product	-Comma for thousand separator -Positive integer -Right alignment	120,000
3	Quantity	Quantity of the corresponding media	-Positive integer -Right alignment	2
4	Amount	Total money of the corresponding media	-Positive integer -Right alignment	240,000
5	Subtotal Before VAT	Total price of products in the cart before VAT	-Comma for thousands separator	2,106,000
6	Subtotal	Total price of products in the cart after VAT	-Positive integer -Right alignment	2,316,600
7	Currency			VND

9. Post-conditions:

The customer has paid money and software notifies that the transactions has been executed successfully.