

SOFTWARE DESIGN AND CONSTRUCTION

Lab 00: Software Requirement Specification

2. Use Case "Place Order"

1. Use case code UC010

2. Brief Description

A series of steps provide information for the system to confirm delivery and payment information

3. Actors

Actors : Customer

4. Preconditions

Need to "View cart" before "Place order"

5. Basic Flow of Events

Step 1. The customer views the cart.

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

Step 3. The AIMS software displays the cart

Step 4. The customer requests to place order

Step 5. The AIMS software displays the form of delivery information

Step 6. The customer enters and submits delivery information

Step 7. The AIMS software calculates shipping fees

Step 8. The AIMS software displays the invoice

Step 9. The customer confirms to place order

Step 10. The AIMS software calls UC "Pay order"

Step 11. The AIMS software creates a new order

Step 12. The AIMS software makes the cart empty

Step 13. The AIMS software displays the successful order notification.

6. Alternative flows

Table N - Alternative flows of events for UC Place order

No	Location	Condition	Action	Resume location
1	At Step 3	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.	Resumes at Step 2
2	At Step 7	If a mandatory field is left blank	The AIMS software asks the customer to fill all the mandatory blank.	Resumes at Step 5
3	At Step 7	If the phone number is invalid	The AIMS software asks the customer to enter a valid phone number	Resumes at Step 5

7. Input data

Table A - Input data of delivery information

No	Data Fields	Description	Mandatory	Valid Condition	Example
1	Receiver Name		Yes		Do Minh Hieu
2	Phone Number		Yes		0123456789
3	Province	Choose from a list	Yes		Ha Noi
4	Address		Yes		12, 34 Alley of Tran Thai Tong street, Cau Giay district
5	Shipping instructions		No		

8. Output data

Table B Output data of displaying invoice

No	Data Fields	Description	Display format	Example
1	Title	Title of a media product		DVD Phim Vượt ngục
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 the corresponding media	-Comma for thousands separator -Positive integer -Right alignment	246,000

No	Data Fields	Description	Display format	Example
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		2,316,600
7	Shipping fees			30,000
8	Total	Sum of subtotal and shipping fees		2,346,600
9	Currency			VND
10	Name			Do Minh Hieu
11	Phone number			0987654321
12	Province	Choose from a list		Hanoi
13	Address			12, 34 Alley of Tran Thai Tong street, Cau Giay district
14	Shipping instructions			

Table C --Output data of displaying cart

No	Data Fields	Description	Display format	Example
1	Title	Title of a media product		CD Em về tình khôi –Hà Trần
2	Price	Price of the corresponding media	Comma for thousands	120,000

No	Data Fields	Description	Display format	Example
		product	separator \$ Positive integer \$ Right alignment	
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 \$ Positive integer \$ Right alignment	2,106,000
6	Subtotal	Total price of products in the cart after VAT		2,316,600
7	Currency			VND