

# SOFTWARE DESIGN AND CONSTRUCTION

## Lab 00: Software Requirement Specification

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### 3. Use Case “Place Rush Order”

**1. Use case code** UC011

**2. Brief Description**

same as place order however this is rush delivery, user need to provide more information for supported orders

**3. Actors**

Actors : Customer

**4. Preconditions**

Need to "View cart" before "Place rush 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 customer can choose to place a rush order

Step 8. The AIMS software checks products which can "rush delivery"

Step 9. The customer enters and submits rush order update info (i.e., delivery information for rush order, delivery instructions, and expected delivery time interval)

Step 10. The AIMS software checks the availability of “delivery information for rush order”

Step 10. The AIMS software calculates shipping fees

Step 11. The AIMS software displays the invoice

Step 12. The customer confirms to place order

Step 13. The AIMS software calls UC “Pay order”

Step 14. The AIMS software creates a new order

Step 15. The AIMS software makes the cart empty

Step 16. 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 10	If there is no support either from any media or the shipping address	the software would notify the customer and ask the customer to update delivery information.	Resumes at step 9
2	At Step 11	If a	The AIMS	Resumes at Step 5

		mandatory field is left bank	software asks the customer to fill all the mandatory blank.	
3	At Step 11	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.1 - 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		

Table A.2 - Input data of delivery information update

No	Data Fields	Description	Mandatory	Valid Condition	Example
1	Expected delivery time interval		Yes		1-1-2022
2	Delivery instructions		No		Trong giờ hành chính

## 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
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		2,316,600

No	Data Fields	Description	Display format	Example
		VAT		
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 product	Comma for thousands separator § Positive integer § Right alignment	120,000
3	Quantity	Quantity of the corresponding media	Positive integer § Right alignment	2
4	Amount	Total money	Positive	240,000

No	Data Fields	Description	Display format	Example
		of the corresponding media	Integer \$ Right alignment	
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

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