

## Use Case “Use case specification – Place rush order”

### 1. Use case code

### 2. Brief Description

In the AIMS project, UC “Place rush order” describes the interaction between customers and AIMS software when the customer with to place order and receive the goods at a scheduled time.

### 3. Actor

3.1: Customer

### 4. Preconditions

### 5. Basic Flow of Events

Step 1. The customer request place order with specific delivery time

Step 2. The AIMS software displays the form of delivery information

Step 3. The customer enters and submits delivery information

Step 4. The AIMS software checks the availability of delivery time

Step 5. The AIMS software calculate shipping fees

Step 6. The AIMS software displays the invoice

Step 7. The customer confirms to place order

Step 8 . The AIMS software calls UC “Pay order”

Step 9. The AIMS software creates a new order

Step 10. The AIMS software makes the cart empty

Step 11. The AIMS software displays the successful order notification.

### 6. Alternative flows

*Table 1-Alternative flow of events for UC “Place Order”*

No	Location	Condition	Action	Resume location
1.	At Step 4	If there is not available time customer require	▪ The AIMS software asks the customer change delivery time.	Resumes at Step 3
2.	At Step 5	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 5	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 2 – Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name		Yes		Do Minh Hieu
2.	Phone Number		Yes		0987654321

3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		12, 34 Alley of Tran Thai Tong street, Cau Giay district
5.	Shipping instructions		No		
6	Received time	Choose from a list	yes		

## 8. Output data

*Table 3-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	<ul style="list-style-type: none"> <li>▪ Comma for thousands separator</li> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	123,000
3.	Quantity	Quantity of the corresponding media	<ul style="list-style-type: none"> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	2
4.	Amount	Total money of the corresponding media	<ul style="list-style-type: none"> <li>▪ Comma for thousands separator</li> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	246,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT	<ul style="list-style-type: none"> <li>▪ Comma for thousands separator</li> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	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			
15.	Received time			

*Table 4-Output data of displaying cart*

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		CD Em về tỉnh khôi – Hà Trần
2.	Price	Price of the corresponding media product	<ul style="list-style-type: none"> <li>▪ Comma for thousands separator</li> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	120,000
3.	Quantity	Quantity of the corresponding media	<ul style="list-style-type: none"> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	2
4.	Amount	Total money of the corresponding media	<ul style="list-style-type: none"> <li>▪ Positive Integer</li> <li>▪ Right alignment</li> </ul>	240,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT	<ul style="list-style-type: none"> <li>▪ Comma for thousands separator</li> <li>▪ Positive integer</li> <li>▪ Right alignment</li> </ul>	2,106,000
6.	Subtotal	Total price of products in the cart after VAT		2,316,600
7.	Currency			VND

## 9. Postconditions