

## **Use case “Place Order”**

### **1. Use case code**

UC001

### **2. Brief description**

In the AIMS system, the UC001 - “Place Order” describes the interaction between customers and the AIMS software when they want to place orders.

### **3. Actors**

- Guests
- Users

### **4. Preconditions**

### **5. Basic Flow of Events**

Step1. The customer views the cart.

Step2. The AIMS software checks the availability of products in the cart.

Step3. The AIMS software displays the cart.

Step4. The customer requests to place the order.

Step5. The AIMS software displays the form of delivery information.

Step6. The customer enters and submits the delivery information.

Step7. The AIMS software calculates the shipping fees

Step8. The AIMS software displays the invoice.

Step9. The customer confirms to place the order.

Step10. The AIMS software calls UC002 - “Pay Order”.

Step11. The AIMS software creates a new order.

Step12. The AIMS software makes the cart empty.

Step13. The AIMS software displays the successful order notification.

### **6. Alternative Flows**

No	Location	Condition	Action	Resume location
1.	Step 3	If there are media of which quantity in the stock is less than the ordered quantity.	<ul style="list-style-type: none"><li>• The AIMS software asks the customer to update the cart</li><li>• The customer updates the cart</li></ul>	Resumes at Step 2
2.	Step 7	If a mandatory field is left blank	<ul style="list-style-type: none"><li>• The AIMS software asks the customer to fill all the mandatory blank</li></ul>	Resumes at Step 5

3.	Step 7	If the phone number is invalid	<ul style="list-style-type: none"> <li>The AIMS software asks the customer to enter a valid phone number.</li> </ul>	Resumes at Step 5
4.	Step 7	If the customer chooses to place a rush order	<ul style="list-style-type: none"> <li>The AIMS software calls the UC003 - "Place Rush Order"</li> </ul>	Resumes at Step 1 - UC003

**Table 1: Alternative flows of events for UC "Place Order"**

## 7. Input Data

No	Data fields	Description	Mandatory	Validcondition	Example
1.	Receiver Name		Yes		Nguyen Duc Quyen
2.	Phone Number		Yes		0793206960
3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		12/34 Nguyen Huy Tuong str, Thanh Xuan Trung district
5.	Shipping instructions		No		

**Table 2: Input data of delivery information**

## 8. Output Data

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Phim Spirited Away

2.	Price	Price of the corresponding media product	<ul style="list-style-type: none"> <li>• Comma for the 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 the thousands separator</li> <li>• Positive integer</li> <li>• Right alignment</li> </ul>	246,000
5.	Subtotal Before VAT	The total price of products in the cart before VAT	<ul style="list-style-type: none"> <li>• Comma for the thousands separator</li> <li>• Positive integer</li> <li>• Right alignment</li> </ul>	2,106,000
6.	Subtotal	The 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			Nguyen Duc Quyen
11.	Phone number			0793206960

12.	Province	Choose from a list		Hanoi
13.	Address			12/34 Nguyen Huy Tuong str, Thanh Xuan Trung district
14.	Shipping instructions			

**Table 3: Output data of displaying invoice**

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Phim Spirited Away
2.	Price	Price of the corresponding media product	<ul style="list-style-type: none"> <li>• Comma for the 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 the thousands separator</li> <li>• Positive integer</li> <li>• Right alignment</li> </ul>	246,000
5.	Subtotal Before VAT	The total price of products in the cart before VAT	<ul style="list-style-type: none"> <li>• Comma for the thousands separator</li> <li>• Positive integer</li> </ul>	2,106,000

6.	Subtotal	The total price of products in the cart after VAT	<ul style="list-style-type: none"> <li>• Right alignment</li> </ul>	2,316,000
7.	Currency			VND

**Table 4: Output data of displaying cart**

## **9. Postconditions**