

USE CASE “PLACE ORDER”

1. Use case code

UC002

2. Brief Description

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

3. Actors

1. Customer

4. Preconditions

The precondition of this use case is that there is an active network connection to the Internet.

5. Basic flow of Events

1. The customer requests to place an order on the view cart screen (see the Table 4)
2. The AIMS software checks the availability of products in the cart.
3. The AIMS software displays the form of delivery information
4. The customer enters and submits delivery information
5. The AIMS software checks the validity of delivery information
6. The AIMS software checks if the customer chooses to place a rush order
7. The AIMS software calculates shipping fees
8. The AIMS software displays the invoice (see the Table 3)
9. The customer confirms to place order
10. The AIMS software calls UC “Pay order”
11. The AIMS software saves order
12. The AIMS software makes the cart empty
13. The AIMS software displays the successful order notification.

6. Alternative flows

Table 1-Alternative flows of events for UC Place order

| No | Location | Condition | Action | Resume location |
|----|-----------|--|--|------------------|
| 1. | At Step 2 | If there is media of which quantity in the stock is less than the ordered quantity | <ul style="list-style-type: none">• The AIMS software asks the customer to update the cart.• The customer updates the cart. | Resume at Step 2 |

| | | | | |
|----|-----------|---|--|------------------|
| 2. | At Step 5 | If a mandatory field is left blank | The AIMS software asks the customer to fill all the mandatory blank. | Resume at Step 3 |
| 3. | At Step 5 | If the phone number is invalid | The AIMS software asks the customer to enter a valid phone number. | Resume at Step 3 |
| 4. | At Step 6 | If the customer chooses to place a rush order | The AIMS software calls the UC "Place Rush Order" | Resume at Step 7 |

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 | | |

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 Vuot Nguc |
| 2. | Price | Price of the corresponding media product | <ul style="list-style-type: none"> Comma for thousands separator Positive integer Right alignment | 123,000 |

| | | | | |
|-----|-----------------------|--|---|--|
| 3. | Quantity | Quantity of the corresponding media | <ul style="list-style-type: none"> • Positive interger • Right alignment | 2 |
| 4. | Amount | Total money of the corresponding media | <ul style="list-style-type: none"> • Comma for thousands separators • Positive integer • Right alignment | 246,000 |
| 5. | Subtotal before VAT | Total price of products in the cart before VAT | <ul style="list-style-type: none"> • Comma for thousands separators • 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 | | | 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 4-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 | <ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment | 120,000 |
| 3. | Quantity | Quantity of the corresponding media | <ul style="list-style-type: none"> • Positive interger • Right alignment | 2 |
| 4. | Amount | Total money of the corresponding media | <ul style="list-style-type: none"> • Positive integer • Right alignment | 240,000 |
| 5. | Subtotal before VAT | Total price of products in the cart before VAT | <ul style="list-style-type: none"> • Comma for thousands of separators • Positive integer • Right alignment | 2,106,000 |
| 6. | Subtotal | Total price of products in the cart with VAT | | 2,316,000 |
| 7. | Currency | | | VND |

9. Postconditions

The logs have been updated accordingly in the case of a failure condition.