

# Use case “Place rush order”

## 1. User case code

UC003

## 2. Brief Description

This use case describes the interaction between customer and AIMS software when the customer wants to place a rush order

## 3. Actors

The customer

## 4. Preconditions

## 5. Basic Flow of Events

Step 1. the AIMS software displays the cart

Step 2. the customer requests to place order

Step 3. the AIMS software checks the availability of items in the cart

Step 4. the AIMS software asks user to fill the delivery information

Step 5. the customer enters, chooses received time and submits delivery information

Step 6. the customer requests to place a rush order

Step 7. the AIMS software checks the delivery information provides all fields needed

Step 8. the AIMS software checks if there is media that supports rush order and if the shipping address supports rush order

Step 9. the AIMS software asks user the rush delivery information

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 and saves a new order

Step 15. the AIMS software displays the successful order

## 6. Alternative flows

| No | Location | Condition | Action | Resume location |
|----|----------|-----------|--------|-----------------|
|----|----------|-----------|--------|-----------------|

|    |        |                                                                                    |                                                                            |        |
|----|--------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------|
| 1. | Step 3 | If there is media of which quantity in the stock is less than the ordered quantity | - Software asks customer to update the cart<br>- Customer updates the cart | Step 1 |
| 2  | Step 7 | If the mandatory inputs left empty                                                 | Software asks the customer to fill all the mandatory blank                 | Step 4 |
| 3  | Step 7 | If the phone number is not valid                                                   | Software asks the customer to enter a valid phone                          | Step 4 |
| 4. | Step 9 | If there is media that does not support the customer's address                     | Software asks customer to update the delivery information                  | Step 4 |

## 7. Input data

*Table 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       |                 | 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  | Delivery shipping time |                    | Yes       |                 | 9h-10h                                                   |

## 8. Output data

*Table 2-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               | - Comma for thousands<br>- Positive integer<br>- Right alignment              | 123,000                        |
| 3   | Quantity            | Quantity of the corresponding media            | - Positive integer<br>- Right alignment                                       | 2                              |
| 4.  | Amount              | Total money of the corresponding               | - Comma for thousands<br>- Positive integer<br>- Right alignment              | 246,000                        |
| 5.  | Subtotal before VAT | Total price of products in the cart before VAT | - Comma for thousands<br>Separator<br>- Positive integer<br>- 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 3-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       | - Comma for thousands<br>- Positive integer<br>- Right alignment | 120,000                      |
| 3  | Quantity            | Quantity of the corresponding media            | - Positive integer<br>- Right alignment                          | 2                            |
| 4. | Amount              | Total money of the corresponding media         | - Comma for thousands<br>- Positive integer<br>- Right alignment | 240,000                      |
| 5. | Subtotal before VAT | Total price of products in the cart before VAT | - Comma for thousands<br>Separator                               | 2,106,000                    |
| 6  | Subtotal            | Total price of products in the cart with VAT   | - Positive integer<br>- Right alignment                          | 2,316,600                    |
| 9. | Currency            |                                                |                                                                  | VND                          |

## 9. Postconditions