**Use Case “Place order”**

**1. Use case code**

UC001

**2. Brief Description**

This use case describes the interaction between Customer and   
AIMS when Customer wish to place an order.

**3. Actors**

**3.1. Customer**

**4. Pre-conditions**

There is an active network connection between customer and the Internet.

**5. Basic Flow of Events**

Step 1: The customerviews 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 AIMS software calculates shipping fees  
Step 8: The AIMS software displays the invoice  
Step 9: The customer confirms to place order

Step 10: The AIMS software calls UC “Pay order”

Step 11: The AIMS software creates a new order

Step 12: The AIMS software makes the cart empty

Step 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. | 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. | Step 2 |
| 2. | Step 6 | If the customer chooses to place rush order | - Insert UC “Place rush order” | Step 7 |
| 3. | Step 7 | If a mandatory field is left bank | - The AIMS software asks the customer to fill all the mandatory blank. | Step 5 |
| 4. | Step 7 | If the phone number is invalid | - The AIMS software asks the customer to enter a valid phone number. | Step 5 |

**7. Input data**

*Table 2 - Input data of delivery information*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** |
| 1. | Receiver name |  | Yes |  | Nguyen Manh Khang |
| 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 instruction |  | No |  | Shipping out of work hour |

**8. Output data**

*Table 3 - Output data of displaying cart*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | * 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 | * Positive integer * Right alignment | 246,000 |
| 5. | Subtotal before VAT | Total price of products in the cart before VAT | * Comma for thoudsands 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 |

*Table 4 - 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 | * Comma for thousands separator * Positive integer * Right alignment | 126,000 |
| 3. | Quantity | Quantity of the corresponding media | * Positive integer * Right alignment | 2 |
| 4. | Amount | Total money of the corresponding media | * Positive integer * Right alignment | 246,000 |
| 5. | Subtotal before VAT | Total price of products in the cart before VAT | * Comma for thoudsands separator * Positive integer * Right alignment | 2,106,000 |
| 6. | Subtotal | Total price of products in the cart after 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 Manh Khang |
| 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 |  |  |  |

**9. Post-conditions**

**9.1. Failure Condition**

The logs have been updated accordingly.