**Use Case “Place order”**

**1. Use case code**

UC00

**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.

1. **Basic Flow of Events**

Step1. The customer requests to place an order on the view cart screen

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

Step 3. The AIMS software displays the form of delivery information

Step 4. The customer enters and submits delivery information

Step 5.The AIMS software checks the validity of delivery information

Step 6. The AIMS software calculates shipping fees

Step 7. The AIMS software displays the invoice

Step 8. The customer confirms to place order

Step 9. The AIMS software calls UC “Pay order”

Step 10. The AIMS software save order

Step 11. The AIMS software makes the cart empty

Step 12. 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 2 | 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 5 | If a mandatory field is left bank | - The AIMS software asks the customer ti fill all the mansatory blank. | Step 3 |
| 4. | Step 5 | If the phone number is invalid | - The AIMS software asks the customer to enter a valid phone number. | Step 3 |

**7. Input data**

*Table 2 - Input data of delivery information*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** |
| 1. | Receiver name |  | Yes |  | Tran The Thinh |
| 2. | Phone number |  | Yes |  | 0333333333 |
| 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 |  |  |

**8. Output data**

*Table 3 - 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 | * Comma for thousands separator * Positive integer * Right alignment | 120,000 |
| 3. | Quantity | Quantity of the corresponding media | * Positive integer * Right alignment | 2 |
| 4. | Amount | Total money of the corresponding media | * Positive integer * Right alignment | 240,000 |
| 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 | 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. | Shipping fees |  | 30,000 |
| 8. | Total | Sum of subtotal and shipping fees | 2,346,600 |
| 9. | Currency |  |  | VND |
| 10. | Name |  |  | Tran The Thinh |
| 11. | Phone number |  |  | 0333333333 |
| 12. | Province | Choose from a list |  | Hanoi |
| 13. | Address |  |  | 12, 34 Alley of Tran Thai Tong Street Cau Giay district |
| 14. | Shipping instructions |  |  |  |