**Use Case “Place Order”**

1. **Use case code**

UC003

1. **Brief Description**

This use case describes the interaction between Customer and AIMS software when the customer wishes to place order to pay order at a scheduled time.

1. **Actors**
   1. **Customer**
2. **Preconditions**

There is an active network connection to the Internet.

1. **Basic Flow of Events**

1. The customer views the cart.

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

3. The AIMS software displays the cart

4. The customer requests to place order

5. The AIMS software displays the form of delivery information

6. The customer enters and submits delivery information, including a scheduled time

7. The AIMS software calculates shipping fees

8. The AIMS software displays the invoice

9. The customer confirms to place order

10. The AIMS software calls UC “Pay order”

11. The AIMS software creates a new order

12. The AIMS software makes the cart empty

13. The AIMS software displays the successful order notification.

1. **Alternative flows**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Location** | **Condition** | **Action** | **Resume location** |
| 1. | At 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. | At 2 |
| 2. | At 7 | If the balance is not enough | The AIMS software asks the customer to fill all the mandatory blank | At 5 |
| 3. | At 7 | If the delivery information is invalid | The AIMS software asks the customer to enter valid delivery information | At 5 |
| 4. | At 7 | If the time is in the past | The AIMS software asks the customer to enter valid time | At 5 |

1. **Input data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** |
| 1. | Card holder name |  | Yes |  | Nguyen Van A |
| 2. | Card number |  | Yes |  | 23141352 |
| 3. | Exploratory date |  | Yes | Include month and last 2 digits of year only | 02/23 |
| 4. | Security code |  | Yes |  | 1231234 |
| 5. | Scheduled time |  | No | Include date | 23/05/23 |

1. **Output data**

The output data when displaying the invoice or the cart is shown in the following tables (the rows with green shading are repeated for all media products in the cart/invoice).

Displaying invoice:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Display format** | **Example** |
| 1. | Title | Title of a media product |  | DVD Phim Vượt ngục |
| 2. | Price | Price ofthe corresponding media product | + Commafor thousands separator + Positive integer + Right alignment | 123,000 |
| 3. | Quantity | Quantity of the corresponding media | + Positive integer + Right alignment | 2 |
| 4. | Amount | Total moneyof the corresponding media | + Commafor thousands separator + Positive integer + Right alignment | 246,000 |
| 5. | Subtotal Before VAT | Total price of products in the cart before VAT | + Commaforthousands separator + Positive integer + Right alignment | 2,106,000 |
| 6. | Subtotal | Total price of products in the cart with VAT | + Commaforthousands separator + Positive integer + Right alignment | 2,316,600 |
| 7. | Shipping fees | 30,000 | + Commaforthousands separator + Positive integer + Right alignment | 30,000 |
| 8. | Total | Sum of subtotal and shipping fees | + Commaforthousands separator + Positive integer + Right alignment | 2,346,600 |
| 9. | Currency |  |  | VND |
| 10. | Name |  |  | Do Minh Hieu |
| 11. | Phone number |  |  | 0987654321 |
| 12. | Province |  | Choose from a list | Ha Noi |
| 13. | Address |  |  | 12,34 Alley of Tran Thai Tong street, Cau Giay district |
| 14. | Shipping instructions |  |  |  |

Displaying cart:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Display format** | **Example** |
| 1. | Title | Title of a media product | CD Em về tinh khôi– Hà Trần |  |
| 2. | Price | Price of the corresponding media product | + Commafor thousands separator + Positive integer + Rightalignment | 120,000 |
| 3. | Quantity | Quantity of the corresponding media | + Positive integer + Right alignment | 2 |
| 4. | Amount | Total money of the corresponding media | + PositiveInteger + Right alignment | 240,000 |
| 5. | Subtotal Before VAT | Total price of products in the cart before VAT | + Commafor thousands 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 |

1. **Postconditions**

The logs have been updated accordingly