**Use Case “Place Order”**

1. **Use case code**

UC002

1. **Brief description**

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

1. **Actors**

**3.1 Customer**

1. **Preconditions**

There is an active network connection to the Internet.

1. **Basic Flow of Events**

1. The customer request to place an order on the view cart screen

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 check the validity of delivery information

6. The AIMS software calculates shipping fees

7. The AIMS software displays the invoice

8. The customer confirms to place order

9. The AIMS software calls UC “Pay order”

10. The AIMS software saves order

11. The AIMS software makes the cart empty

12. The AIMS software displays the successful order notification

1. **Alternative flows**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | • The AIMS software asks the customer to update the cart.  • The customer updates the cart | Resumes 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 | Resumes 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 | Resumes at Step 3 |
| 4. | At step 5 | If the customer has chosen to place a rush order | • The AIMS software inserts UC “Place Rush Order” | Resumes at Step 6 |

1. **Input data**

*Table 1 – Input data of delivery information*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Data field** | **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 |  | Yes |  |  |

1. **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 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 | • Comma for thousands separator  • Positive integer  • Right alignment | 246,000 |
| 5. | Subtotal before Vat | Total price of products in the cart before VAT | • Comma for thousands separator  • 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 | 2,346,600 |
| 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 tinh khôi - Hà Trần |
| 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 | • Comma for thousands separator  • Positive integer  • Right alignment | 240,000 |
| 5. | Subtotal before Vat | Total price of products in the cart before VAT | • Comma for thousands separator  • Positive integer  • Right alignment | 2,106,000 |
| 6. | Subtotal | Total price of products in the cart with VAT | 2,316,000 |
| 7. | Currency |  |  | VND |

1. **Postconditions**

The logs have been updated accordingly