***Use case “Place Order”***

1. **Use case code**

UC001

1. **Brief description**

In the AIMS system, the UC001 - “Place Order” describes the interaction between customers and the AIMS software when they want to place orders.

1. **Actors**

* Guests
* Users

1. **Preconditions**
2. **Basic Flow of Events**

Step1. The customer views the cart.

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

Step3. The AIMS software displays the cart.

Step4. The customer requests to place the order.

Step5. The AIMS software displays the form of delivery information.

Step6. The customer enters and submits the delivery information.

Step7. The AIMS software calculates the shipping fees

Step8. The AIMS software displays the invoice.

Step9. The customer confirms to place the order.

Step10. The AIMS software calls UC002 - “Pay Order”.

Step11. The AIMS software creates a new order.

Step12. The AIMS software makes the cart empty.

Step13. The AIMS software displays the successful order notification.

1. **Alternative Flows**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Location** | **Condition** | **Action** | **Resume location** |
| 1. | Step 3 | If there are 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. | Step 7 | If a mandatory field is left blank | * The AIMS software asks the customer to fill all the mandatory blank | Resumes at Step 5 |
| 3. | Step 7 | If the phone number is invalid | * The AIMS sơftware asks the customer to enter a valid phone number. | Resumes at Step 5 |
| 4. | Step 7 | If the customer chooses to place a rush order | * The AIMS software calls the UC003 - “Place Rush Order” | Resumes at Step 1 - UC003 |

**Table 1: Alternative flows of events for UC ”Place Order”**

1. **Input Data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Mandatory** | **Validcondition** | **Example** |
| 1. | Receiver  Name |  | Yes |  | Nguyen Duc Quyen |
| 2. | Phone  Number |  | Yes |  | 0793206960 |
| 3. | Province | Choose from a list | Yes |  | Hanoi |
| 4. | Address |  | Yes |  | 12/34 Nguyen Huy Tuong str, Thanh Xuan Trung district |
| 5. | Shipping  instructions |  | No |  |  |

**Table 2: Input data of delivery information**

1. **Output Data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Display format** | **Example** |
| 1. | Title | Title of a media product |  | DVD Phim Spirited Away |
| 2. | Price | Price of the corresponding media  product | * Comma for the 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 the thousands separator * Positive integer * Right alignment | 246,000 |
| 5. | Subtotal  Before VAT | The total price of products in the cart  before VAT | * Comma for the thousands separator * Positive integer * Right alignment | 2,106,000 |
| 6. | Subtotal | The 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 |  |  | Nguyen Duc Quyen |
| 11. | Phone number |  |  | 0793206960 |
| 12. | Province | Choose from a list |  | Hanoi |
| 13. | Address |  |  | 12/34 Nguyen Huy Tuong str, Thanh Xuan Trung district |
| 14. | Shipping instructions |  |  |  |

**Table 3: Output data of displaying invoice**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Display format** | **Example** |
| 1. | Title | Title of a media product |  | DVD Phim Spirited Away |
| 2. | Price | Price of the corresponding media  product | * Comma for the 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 the thousands separator * Positive integer * Right alignment | 246,000 |
| 5. | Subtotal  Before VAT | The total price of products in the cart before VAT | * Comma for the thousands separator * Positive integer * Right alignment | 2,106,000 |
| 6. | Subtotal | The total price of products in the cart after VAT | 2,316,000 |
| 7. | Currency |  |  | VND |

**Table 4: Output data of displaying cart**

1. **Postconditions**