**Use Case “Place Order”**

1. **Use case code**

UC001

1. **Brief Description**

This use case describes the interactions between customer and AIMS software when customer wishes to place an order.

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

User already has at least one media in the cart.

1. **Basic Flow of Events**

Step 1. The customer views 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.

1. **Alternative flows**

*Table 1 - Alternative flow of events for UC Place Order*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Location | Condition | Action | Resume location |
| 1. | At 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. | Resumes at Step 2 |
| 2. | At step 7 | If user chose to use rush order | \_ Insert UC “Place Rush Order” | Resume at step 7 |
| 3. | At 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 |
| 4. | At step 7 | If the phone number is invalid | \_ The AIMS software asks the customer to enter a valid phone number. | Resumes at Step 5 |

1. **Input data**

*Table 2 - Input data of delivery information*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Data fields | Description | Mandatory | Valid condition | Example |
| 1. | Receiver Name |  | Yes |  | Nguyen Thai An |
| 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. | Rush Order | Tick to choose | No |  | ✔ |
| 6. | Shipping instruction |  | No |  |  |

1. **Output data**

*Table 3 - Output data of displaying invoice*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Data fields | Description | Display format | Example |
| 1. | Title | Title of a media product |  | DVD Phim Vượt ngục |
| 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. | Shipping Type | Is normal or rush delivery media |  | Normal delivery |
| 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 | 2,316,600 |
| 7. | Shipping fees |  | 30,000 |
| 9. | Rush order fees |  | 50,000 |
| 8. | Total | Sum of subtotal, shipping fees and rush order fees | 2,396,000 |
| 9. | Currency |  |  | VND |
| 10. | Name |  |  | Nguyen Thai An |
| 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 4 - 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 | \_ 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 after VAT | 2,316,600 |
| 7. | Currency |  |  | VND |

1. **Postconditions**