Use Case “Place Order”

# **Use case code**

UC002

# **Brief Description**

This use case describes the interaction between the AIMS software with the customer and Interbank when the customer desires to place an order.

# **Actors**

## **Customer**

# **Preconditions**

* The precondition of this use case is that the customer has selected products and corresponding quantities to the cart.

# **Basic flow of events**

* Step 1. the customer views the cart
* Step 2. the customer requests to place order
* Step 3. the AIMS software checks the availability of the products in cart
* Step 4. the AIMS software ask customer to fill the delivery information
* Step 5. the customers inputs and submits the 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 creates and saves a new order
* Step 11: the AIMS software makes the cart empty
* Step 12. the AIMS software displays the successful order notification

# **Alternative flows**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Location | Condition | Action | Resume location |
| 1 | At step 4 | If there is media of which quantity in the stock is less than the ordered quantity | Software asks customer to update the cart  Customer updates the cart | At step 1 |
| 2 | At step 6 | If the mandatory inputs left empty | Software asks the customer to fill all the mandatory blank | At step 4 |
| 3 | At step 6 | If the phone number is not valid | Software asks the customer to enter a valid phone | At step 4 |

# **Input data**

*Table 1- Input data of delivery information*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Data fields** | **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 |  | No |  |  |

# **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 Vượt ngục | |
| 2. | Price | Price of the corresponding media | * Comma for thousands * 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 | * Comma for thousands * 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 | 2,316,600 | |
| 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 * 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 * 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 | 2,316,600 | |
| 9. | Currency |  |  | VND | |

# **9. Postconditions**