**Use Case “Place Order”**

1. **Use case code**

UC00Y

1. **Brief Description**

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

1. **Actors**
   1. Customer
   2. AIMS System
2. **Preconditions**

* There are at least 1 product in Customer’s cart.

1. **Basic Flow of Events**

**Steps:**

* 1. The Customer request to place order from cart
  2. AIMS software checks the availability of products in the cart.
  3. The AIMS software display the form of delivery information.
  4. The Customer enters and submits delivery information. (Table 7.1)
  5. The AIMS software checks validity of delivery information.
  6. The AIMS software calculates shipping fees.
  7. The AIMS software displays the invoice. (Table 8.1)
  8. The Customer confirms to place order.
  9. The AIMS software call UC “Pay Order”.
  10. The AIMS software saves order.
  11. The AIMS software makes cart empty.

1. **Alternative flows**

Alternative flows of events for UC Place Order

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Location** | **Condition** | **Alternative flow** | **Resume location** |
|  | In step 1-8 | If Customer quit software or cancel the order | * End use case. | End use case |
|  | At Step 2 | If there are at least 1 product unavailable | * The AIMS software notifies that there are unavailable products in cart. * The AIMS software asks the Customer to update the cart. * The Customer need to update the cart. | At Step 1 |
|  | At Step 5 | If delivery info is invalid | * The AIMS software notifies that the delivery info is invalid. | At Step 4 |
|  | At Step 8 | If the Customer don’t confirm to place order | * The AIMS software delete the order, end use case | End use case |

1. **Input data**

Table 7.1-Input data of delivery form

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** |
|  | Name |  | Yes |  | TRAN DUC QUAN |
|  | Phone number |  | Yes | 10 numbers | 0123456789 |
|  | Address |  | Yes |  | Hai Ba Trung – Ha noi |

1. **Output data**

Table 8.1 - Output data of invoice

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Display format** | **Example** |
|  | Invoice ID |  | 10 characters | 1a2b34cd5E |
|  | Title | Title of media product |  | Baby shark DVD |
|  | Quantity | Quantity of the corresponding media | Positive integer | 2 |
|  | Price | Price of the corresponding media product | * Positive integer * Comma for thousand separator * Right alignment | 100,000 |
|  | Amount | Total money of the corresponding media |
|  | Subtotal before VAT | Total price of product in the cart before VAT |
|  | Subtotal | Total price of product in the cart with VAT |
|  | Shipping fees |  |
|  | Total | Sum of subtotal and shipping fees |
|  | Currency |  |  | VND |
|  | Customer name |  |  | Tran Duc Quan |
|  | Address |  |  | Hai Ba Trung – Ha Noi |
|  | Customer’s phone number |  | 10 numbers | 0123456789 |

1. **Postconditions**

* When the AIMS software makes cart empty.

1. **Activity diagram**

Diagram

Description automatically generated