# USE-CASE "PLACE ORDER"

1. **Use-case code**
   - UC001

2. **Brief descriptions**
   - This use case describes the interaction between Customer and AIMS software system when customer wishes to place an order.

3. **Actors**
   - Customer

4. **Preconditions**
   - There is at least one item in the cart.
   - The user must be authenticated and have the necessary permissions to place an order.

5. **Basic flow of events**
   a. Step 1: Customer requests to place order in the cart.
   b. Step 2: AIMS software checks the availability of products in the cart.
   c. Step 3: AIMS software displays the form of delivery information with order information.
   d. Step 4: Customer enters and submits delivery information (Table 1 – Input data).
   e. Step 5. AIMS software calculates and displays order and shipping fees (Table 2 – Output data).
   f. Step 6. The customer asks to pay for the order.
   g. Step 7. The AIMS software calls UC "Pay order".
   h. Step 8. The AIMS software creates a new order.
   i. Step 9. The AIMS software makes the cart empty.
   j. Step 10. The AIMS software sends email about the order notification and information.
   k. Step 11. The AIMS software displays the successful order notification, the order and the transaction information (Table 3).

6. **Alternative flows**

| No | Location | Condition | Action | Resume location |
|----|----------|-----------|--------|-----------------|
| 1. | At Step 2 | If the products are not available | ■ The AIMS software notifies that the the products in the cart are not available and stay at the use case "View cart" | Use case ends |

| | | | | |
|---|---|---|---|---|
| 2. | At Step 4 | If the delivery info is invalid | ■ AIMS software notifies that the delivery info is invalid (blank or wrong format) | At Step 3 |
| 3. | At Step 5 | If the user chooses to place a rush order | ■ AIMS software inserts use case "Place rush order" | At Step 6 |
| 4. | At Step 8 | If the order payment is not successful or goes back from payment | ■ AIMS software notifies that user must checks the payment information. | At Step 5 |

## 7. Input data

| No | Data fields | Description | Mandatory | Valid condition | Example |
|---|---|---|---|---|---|
| 1. | Receiver Name | Can get from user's information or user can regulate | Yes | | Do Minh Hieu |
| 2. | Phone Number | Get from user login information or user can alternate | Yes | 10 digits | 0987654321 |
| 3. | Province | Choose from a list | Yes | | Hanoi |
| 4. | Address | Set the default address is the address of customer's previous order and customer can regulate | Yes | | 12, 34 Alley of Tran Thai Tong street, Cau Giay district |
| 5. | Shipping instructions | | No | | |

## 8. Output data
- **Table 2-Output data of order information and shipping fee**

| No | Data fields | Description | Display format | Example |
|---|---|---|---|---|
| 1 | Ttile | Title of a media product | String of title | DVD Phim |

| 2 | Price | Price of the corresponding media product. | • Positive integer<br>• Right alignment | 100000 |
|---|---|---|---|---|
| 3. | Quantity | Quantity of the corresponding media | ■Positive integer<br>■Right alignment | 2 |
| 4 | Discount | The percentage of discount | ■Percent or identified amount of money | 30% |
| 4. | Amount | Total money of the corresponding media | ■Comma for thousands separator<br>■Positive integer<br>■Right alignment | 246,000 |
| 5. | Subtotal | Total amount of all products in the order | | 2,316,600 |
| 6. | Shipping fee | Amount of shipping fee | Positive integer or zero | 30,000 |
| 7 | Total Discount | Number of moneys for discounting | Positive integer or zero | 20000 |
| 8 | Total exact payment | Amount of money that customer need to pay for this bill | Positive integer or zero | 2317600 |

- **Table 3-Output data of general information of order and transaction info**

| No | Data field | Description | Display format | Example |
|---|---|---|---|---|
| 1. | Customer name | The name that customer use for ordering this bill | | Do Minh Hieu |
| 2. | Phone number | The phone number that customer use for ordering this bill | | 0987654321 |
| 3. | Province | The receive address | | Hanoi |
| 4. | Address | Detail of receiver address | | 12, 34 Alley of Tran Thai Tong |

| | | | | street, Cau Giay district |
|---|---|---|---|---|
| 5. | Total amount | The axactly amount of payment for this bill | Right alignment Vietnamese currency (VNĐ) Vietnamese locale | 1.200.000 VNĐ |
| 6. | Transaction ID | The number that mark for this order | Positive number | 123456 |
| 7. | Transaction content | Description of this transaction | | |
| 8. | Transaction date | | dd/mm/yyyy | 05/10/2023 |

9. **Post preconditions**
   - a new order is created
   - its information is sent via email to the customer, or nothing happens if payment is not successful.
   - The user's payment is processed, and the payment status is updated in the system.