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| **Use Case “Place Order”**   1. **Use case code**   UC001   1. **Brief Description**   This use case describes the interaction between Customer and AIMS software when Customer wish(es) to place an order   1. **Actors**    1. **Customer** 2. **Preconditions**   There is at least one item in the cart.   1. **Basic Flow of Events** 2. Customer views the cart and select the products they want to purchase 3. Customer requests to place an order 4. AIMS software checks the availability of products in the car 5. AIMS software displays the form of delivery information with order information 6. Customers enters and submits delivery information (see Table A) 7. AIMS software checks the input information 8. Customer selects order delivery options: rush order delivery or default order delivery 9. AIMS software checks the delivery method 10. AIMS software calculates the payment and displays to customer (see Table B) 11. Customer asks to pay order 12. AIMS software calls UC “Pay order” 13. AIMS software creates a new order 14. AIMS software sends invoice and payment transaction information to thecustomer's email 15. The AIMS software displays the successful order notification, the order and the transaction information (see Table C). 16. **Alternative flows**   Table 1-Alternative flows of events for UC “Place order”   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Location** | **Condition** | **Action** | **Resume location** | |  | At Step 3 | If the inventory quantity is insufficient | * AIMS software asks customers to update the cart | Resumes at Step 1 | |  | At Step 6 | If there are any required fields left blank or invalid information | * AIMS software asks customers to update information | Resumes at Step 5 | |  | At Step 8 | If customer chooses rush order delivery method | * AIMS software calls UC “Place rush order” | Resumes at Step 9 | |  | At Step 12 | If the order payment is not successul or goes back from payment |  | Resumes at Step 9 |  1. **Input data**   Table A-Input data of delivery informatin   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** | |  | Receiver Name | Receiver’s name | Yes | English letters | Do Minh Hieu | |  | Phone number | Receiver’s phone number | Yes | 10 digits | 0987654321 | |  | Province | Choose from a list | Yes | NONE | Hanoi | |  | Address | Receiver’s  address | Yes | NONE | 12, 34 Alley of Tran Thai Tong street, Cau Giay district | |  | Shipping instructions | Shipping instructions | No | NONE | Hide receiver  information |  1. **Output data**   Table B-Output data of order information and shipping fee   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Display format** | **Example** | |  | Title | Title of a media product | NONE | DVD Phim Vượt ngục | |  | Price | Price of the corresponding media | - Comma for thousands  - Positive integer  - Right alignment | 123,000 | |  | Quantity | Quantity of the corresponding media | - Positive integer  - Right alignmen | 2 | |  | Amount | Total money of the corresponding | - Comma for thousands  - Positive integer  - Right alignment | 246,000 | |  | Subtotal | Total amount of all products in the order | 2,316,600 | |  | Shipping fees | Shipping fees | 30,000 |   Table C-Output data of general information of order and transaction info   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Display format** | **Example** | | 1. | Customer name | Customer’s name | English letters | Do Minh Hieu | | 2. | Phone number | Customer’s phone number | 10 digits | 0987654321 | | 3. | Province | Choose from a list | NONE | Hanoi | | 4. | Address | Customer’s address | NONE | 12, 34 Alley of Tran Thai Tong street, Cau Giay district | | 5. | Total amount | Total amount of all products in the order | - Right alignment  - Vietnamese currency (VNĐ)  - Vietnamese locale | 1.200.000 VNĐ | | 6. | Transaction ID | Created by software | NONE |  | | 7. | Transaction content | Default or edited by customer | NONE |  | | 8. | Transaction date | Date of transaction | dd/mm/yyyy | 05/10/2023 |  1. **Postconditions**   A new order is created, and its information is sent via email to the customer or nothing happens if payment is not successful. |