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| **Use Case “Place Order with Place Rush Order”**   1. **Use case code**   UC003   1. **Brief Description**   This use case describes the interaction between Customer and AIMS software when Customer wish(es) to place an rush order   1. **Actors**    1. **Customer** 2. **Preconditions**   There is at least one item in the cart. Customer selects rush order delivery method.   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 rush order delivery method 9. AIMS software requests additional information from customer (see Table B) 10. AIMS software calculates the payment and displays to customer (see Table C) 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 D). 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 no products are eligible or the delivery address doesn't support rush order delivery | * AIMS software asks customer to update the delivery information or delivery method | Resumes at Step 5 | |  | 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 information |   Table B-Input data of rush order delivery   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** | | 1. | Delivery time | Delivery time for rush order delivery | Yes | time range dd/mm/yyyy | 8h-10h 10/03/2024 | | 2. | Delivery instructions |  | No | NONE |  |  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. |