**Use case specification for “Place rush order”**

1. **Use Case Code**: UC003
2. **Brief Description**:  
   This use case describes the interaction between customers and the AIMS software when a customer places a rush order. The customer selects products from the cart, enters delivery information, reviews the order, and proceeds with payment.
3. **Actors**:
   * Customer
   * AIMS Software
4. **Preconditions**:
   * The customer has selected at least one item in the cart.
   * Products are available in inventory.
5. **Basic Flow of Events**:

*Table 1 Basic flow of Events for "Place rush order"*

|  |  |
| --- | --- |
| Step | Description |
| 1 | The AIMS software check if the address is Hanoi. |
| 2 | The AIMS software check if any products are eligible. |
| 3 | The AIMS software request additional instruction from the customer and provide information. |
| 4 | The AIMS software recalculates the delivery fees and update the corresponding invoice. |
| 4 | The AIMS software switch back to Use case “Place order ” |

1. **Alternative Flows**:

*Table 2 Alternative flow of Events for "Place rush order"*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Location | Condition | Action | Resume Location |
| 1 | At Step 1 | If the address is not Hanoi. | The system prompts the customer to update the delivery information or delivery method | Use case ends. |
| 2 | At Step 2 | If no products are eligible. | The system prompts the customer to update the delivery information or delivery method | Use case ends. |

1. **Input Data**:

*Table 3 Input for "Place rush order"*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data Field | Description | Mandatory | Valid Condition | Example |
| Receiver Name | Name of the recipient. | Yes | Non-blank, valid name. | “Nguyễn Văn A” |
| Phone Number | Customer's phone number. | Yes | 10 digits. | (012) 345-6789 |
| Province | Province selected from a dropdown list. | Yes | Must select a province. | Hà Nội |
| Address | Full address of the recipient. | Yes | Non-blank, valid address. | 123 Phố Chính, Quận 1 |
| Shipping Instructions | Any additional delivery instructions. | No | Optional. |  |

1. **Output Data**:

*Table 4 Output of shipping fee information for "Place rush order"*

|  |  |  |  |
| --- | --- | --- | --- |
| Data Field | Description | Display Format | Example |
| Product Title | Title of the selected media product. | - | "Phim Vuot Nguc" |
| Product Price | Price of the selected media product. | Comma separator | 123,000 VND |
| Quantity | Number of items for the product. | Right alignment | 2 |
| Total Amount | Total cost for the product (pre-VAT). | Comma separator | 246,000 VND |
| Shipping Fee | Calculated based on weight and location. | Comma separator | 30,000 VND |
| Total Amount | Total including VAT and shipping. | Comma separator | 2,346,600 VND |

*Table 5 Output of general information for "Place"*

|  |  |  |  |
| --- | --- | --- | --- |
| Data Field | Description | Display Format | Example |
| Customer name | The name of the customer. | Text | Nguyễn Văn A |
| Phone number | The contact phone number of the customer. | Phone number (e.g., (XXX) XXX-XXXX) | (012) 345-6789 |
| Province | The province where the delivery is to be made. | Text | Hà Nội |
| Address | The specific address for delivery. | Text | 123 Phố Chính, Quận 1 |
| Total amount | The total amount of the order including taxes and shipping fees. | Currency (e.g., $XXX.XX) | 2,346,600 VND |
| Transaction ID | A unique identifier for the transaction. | Alphanumeric (e.g., XXX-XXXX) | 1234-5678 |
| Transaction content | Details of the transaction. | Text | Payment for Order #5678 |
| Transaction date | The date when the transaction occurred. | Date (e.g., YYYY-MM-DD) | 2024-09-15 |

1. **Postconditions**:
   * A new order is created, and the customer receives confirmation via email.
   * The cart is emptied upon successful payment.