**Use case “Pay order”**

1. **Use case code**

* UC003

1. **Brief Description**

* This use case describes the interaction between Customer and AIMS System when Customer wishes to pay order before finishing place an order.

1. **Actors**

* Customer
* AIMS System
* VNPay

1. **Preconditions**

* Customer has already furnished delivery information(or rush delivery).

1. **Basic Flow of Events**

* Step 1 : The AIMS software shifts to checkout process (See Table 2)
* Step 2 : The AIMS software redirects to VNPay with payment information
* Step 3 : Customer selects a payment method
* Step 4 : VNPay displays a form for customers to fill out (See Table 1)
* Step 5 : Customer provides the necessary information
* Step 6 : VNPay asks the customer to verify their information and authorize the payment
* Step 7 : Customer confirms the payment
* Step 8 : VNPay notifies the transaction result and redirects to AIMS software
* Step 9 : AIMS software saves the payment transaction

1. **Alternative flows**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Location** | **Condition** | **Action** | **Resume location** |
| 1 | At step 7 | If customer does not confirm payment or they can not afford payment | VNPay redirects to AIMS software | Resume at step 1 |
| 2 | At step 8 | If an issue occurs on the VNPay server | VNPay notify the customer to try again | Resume at step 3 |

1. **Input data**

**Table 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** |
| 1 | Phone number |  | Yes |  | 0358337038 |

1. **Output data**

**Table 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Display format** | **Example** |
| 1 | Product Name | Name of product | String | Book |
| 2 | Price | Price of the corresponding media product | Positive number denominated in VND with “,” delimiter | 100,000 VND |
| 3 | Quantity | Quantity of the corresponding media | Positive integer number | 4 |
| 4 | Amount | Total money of the corresponding media | Positive number denominated in VND with “,” delimiter | 750,000 VND |
| 5 | Subtotal Before VAT | Total price of products in the cart before VAT | Positive number denominated in VND with “,” delimiter | 350,000 VND |
| 6 | Subtotal | Total price of products in the cart before VAT | Positive number denominated in VND with “,” delimiter | 375,000 VND |
| 7 | Shipping fees |  | Positive number denominated in VND with “,” delimiter | 50,000 VND |
| 8 | Total | Sum of subtotal and shipping fees | Positive number denominated in VND with “,” delimiter | 425,000 VND |
| 9 | Name |  |  | Nguyễn Đình Hồng Phong |
| 10 | Phone number |  |  | 0358337038 |
| 11 | Province |  |  | Bắc Ninh |
| 12 | Address |  |  | Khu phố Rích Gạo, Phù Chẩn, Thành phố Từ Sơn, Bắc Ninh |
| 13 | Shipping instructions |  |  | Ship to my house |

1. **Postconditions**

* Customer’s available online balance exceeds the total fees