IT4490 – Software Design and Construction

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# USE-CASE “PLACE RUSH ORDER”

1. **Use case code**

UC003

1. **Brief description**

This use case describes the interaction between the AIMS software with the customer and VNPay when the customer desires to register rush order delivery services.

1. **Actors**
   1. The AIMS software
   2. Customer
2. **Preconditions**

* There is at least one item in the cart

1. **Basic Flow of Event**

Step 1: AIMS software checks whether the delivery address supports this service

Step 2: AIMS software finds all of products that are eligible for this service

Step 3: Customer enters rush order delivery information (Table 9)

Step 4: AIMS software recalculates and displays separately for regular delivery and rush order delivery the order information with shipping fees (2 situations) (Table 10)

1. **Alternative flows**

Table 8: Alternative flow of events for UC "Place Rush Order"

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Location** | **Condition** | **Action** | **Resume location** |
| 1 | Step 2 | If the delivery address doesn’t support this service | The AIMS software prompts the customer to update the delivery information | Use case ends |
| 2 | Step 3 | If no products are eligible for this service | Use case ends |

1. **Input data**

Table 9: Input data of rush order delivery information

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** |
| 1 | Delivery Time | Choose from a calendar | Yes | hh:mm yy/mm/dd | 12:30 2024/9/19 |
| 2 | Delivery Instructions |  | No |  |  |

1. **Output data**

Table 10: Output data of the order information rush delivery

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Display format** | **Example** |
| 1 | Title | Title of a media product |  | DVD Phim Vượt ngục |
| 2 | Price | Price of the corresponding media product | * Comma for thousands separator * Positive integer * Right alignment | 123,000 |
| 3 | Quantity | Quantity of the corresponding media | * Positive integer * Right alignment | 2 |
| 4 | Amount | Total money of the corresponding media | * Comma for thousands separator * Positive integer * Right alignment | 246,000 |
| 5 | Subtotal | Total price of products in the cart | * Comma for thousands separator * Positive integer * Right alignment | 2,106,000 |
| 7 | Shipping fees |  | 30,000 |
| 8 | Total | Sum of subtotal and shipping fees |  | 2,346,000 |
| 9 | Currency |  |  | VND |

Note: Output data of the order information with regular delivery is same to above table

1. **Post-conditions**

* Software receives information about delivery fees that is separately for each delivery method