**Use Case “Place Order”**

1. **Use case code: UC001**
2. **Brief Description:** This use case describes the interactions between the AIMS software with the customer when the customer want to place order.
3. **Actors:**
   1. **Customer**
4. **Precondition:** Customer add some product into the cart.
5. **Basic Flow of Events:**

Step 1.The customer views the cart.

Step 2.The AIMS software checks the availability of products in the cart

Step 3.The AIMS software displays the cart

Step 4.The customer requests to place order

Step 5.The AIMS software displays the form of delivery information

Step 6.The customer enters and submits delivery information

Step 7.The AIMS software calculates shipping fees

Step 8.The AIMS software displays the invoice

Step 9.The customer confirms to place order

Step 10.The AIMS software calls UC “Pay order”

Step 11.The AIMS software creates a new order

Step 12.The AIMS software makes the cart empty

Step 13.The AIMS software displays the successful order notification.

1. **Alternative flows**

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| *Table N-Alternative flows of events for UC Place order* | | | | |
| **No** | **Location** | **Condition** | **Action** | **Resume Location** |
|  | At step 3 | If there is media of which quantity in the stock is less than the ordered quantity | The AIMS software asks the customer to update the cart.  The customer update the cart | At step 2 |
|  | At step 7 | If a mandatory field is left bank | The AIMS software asks the customer to fill all the mandatory blank | Resumes at Step 5 |
|  | At step 7 | If the phone number is invalid | The AIMS software asks the customer to enter a valid phonge number | Resumes at step 5. |

1. **Input data**

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| *Table 1 - Input data of delivery information* | | | | | |
| **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Examples** |
|  | Receiver Name |  | Yes |  | Do Minh Hieu |
|  | Phone |  | Yes |  | 0123456789 |
|  | Province | Choose from a list | Yes |  | HaNoi |
|  | Address |  | Yes |  | 135 Phuong Mai, Dong Da, Hanoi |
|  | Shipping instructions |  | No |  |  |

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| *Table 2: Information of media in the cart* | | | | | |
| **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Examples** |
|  | Title |  | Yes |  | Dia CD am nhac |
|  | Quantity |  | Yes | * Positive integer * Right Alignment | 2 |

1. **Output data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Table 3 - Output data of displaying* *invoice* | | | | |
| **No** | **Data fields** | **Description** | **Display format** | **Examples** |
| 1. | Title | Title of a media product |  | DVD Phim 3 Idiots |
| 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 correspoding media | * Comma for thousands separator * Positive integer * Right alignment | 246,000 |
| 5. | Subtotal before VAT | Total price of products in the cart before VAT | * Comma for thousands separator * Positive integer * Right alignment | 2,106,000 |
| 6. | Subtotal | Total price of products in the cart with VAT | 2,316,000 |
| 7. | Shipping fees |  | 30,000 |
| 8. | Total | Sum of subtotal and shipping fees | 2,346,600 |
| 9. | Currency |  |  | VND |
| 10. | Name |  |  | Nguyen Hai Duong |
| 11. | Phone number |  |  | 012345678 |
| 12. | Province | Choose from a list |  | Hanoi |
| 13. | Address |  |  | 135 Phuong Mai, Dong Da, Ha Noi |
| 14. | Shipping instruction |  |  |  |

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| *Table 4 - Output data of displaying cart* | | | | |
| **No** | **Data fields** | **Description** | **Display format** | **Examples** |
| 1. | Title | Title of a media product |  | DVD Phim 3 Idiots |
| 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 correspoding media | * Comma for thousands separator * Positive integer * Right alignment | 246,000 |
| 5. | Subtotal before VAT | Total price of products in the cart before VAT | * Comma for thousands separator * Positive integer * Right alignment | 2,106,000 |
| 6. | Subtotal | Total price of products in the cart with VAT | 2,316,000 |
| 7. | Currency |  |  | VND |

1. **Postconditions**