|  |  |  |  |
| --- | --- | --- | --- |
| **Use case code** | UC003 | **Use case name** | Place order |
| **Actor** | Customer, software | | |
| **Description** | Customer is permitted to place order | | |
| **Precondition** | Need at least one item in the cart | | |
| **Flow of events**  **(Success)** | |  |  |  | | --- | --- | --- | | **No** | **Actor** | **Action** | | 1. | Customer | Choose product to place order in the cart view | | 2. | Software | Check the availability of products in cart | | 3. | Software | Ask customer to set up delivery information | | 4. | Customer | Set up delivery information | | 5. | Software | Check the input information | | 6. | Software | Calculate (or  recalculate) the delivery fee, total product price including delivery fee. | | 7. | Software | Display the delivery fee. | | 8. | Customer | Confirm the delivery fee | | 9. | Software | Display and temporarily save invoice information, | | 10. | Customer | Call the Use Case Pay Order | | 11. | Software | Creates a new order | | 12. | Software | Makes the cart empty | | 13. | Software | Sends email about the order notification | | 14. | Software | Displays the successful order notification, the order and the transaction information | | | |
| **Alternative flow** | |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Location** | **Condition** | **Action** | **Resume location** | | 1. | 2 | The cart is empty | Notify error: The cart is empty. | 1 | | 2. | 3 | Number of products is insufficient | Notify that number of products are not enough. | 1 | | 3. | 5 | Information is invalid | Notify error: there are some required fields left blank or invalid information. | 3 | | 4. | 9 | Customer choose Pay Rush Order | Software call Pay Rush Order UC | 9 | | 5. | 10 | Customer pay the order unsuccessfully | Notify error: Can’t complete paying order | 9 | | | |
| **Post condition** | No | | |

II, Input data ( For delivery information)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Data field | Description | Mandatory | Valid condition | Example |
| 1 | Name of receiver |  | Yes | Maximum number of character are 50 | Le Minh Phuc |
| 2 | Email |  | Yes |  | test@gmail.com |
| 3 | Phone number |  | Yes | 10 digits | 0123456789 |
| 4 | Address |  | Yes |  | Ngo 100 Tran Phu |
| 5 | Instruction for shipper |  | No |  |  |

III, Output data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Data field | Description | Display format | Example |
| 1 | Name of Product |  |  | DVD |
| 2 | Product price | Price of a product |  | 1000000 VND |
| 3 | Quantity |  |  | 3 |
| 4 | Total product prices |  |  | 2000000 VND |
| 5 | VAT | VAT fee |  | 50000 VND |
| 6 | Delivery fee |  |  | 30000 VND |
| 7 | Total price fee |  |  | 2080000 VND |
| 8 | Name of purchaser |  |  | Le Minh Phuc |
| 9 | Phone number of purchaser |  | 10 digits | 0192345678 |
| 10 | Address |  |  | Ngo 100 Tran Phu |

IV, Post Condition

No