

Use case code	UC003		Use case name	Place order	
Actor	Customer, administrator, VNPAY				
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	Calculate (or recalculate) the delivery fee, total product price including delivery fee.		
	6.	Software	Display and temporarily save invoice information,		
	7.	Software	Check the input information		
	8.	Customer	Call the Use Case Pay Order		
	9.	Software	Creates a new order		
	10.	Software	Makes the cart empty		
	11.	Software	Sends email about the order notification		
	12.	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.	7	Customer choose Pay Rush Order	Software call Pay Rush Order UC	7
	5.	8	Customer pay the order unsuccessfully	Notify error: Can't complete paying order	7
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