

Use case "Place order"

1. Use case code: UC001

2. Brief description

This use case describes the interaction between the customer and the software when the customer wants to place an order.

3. Actors

- Customer
- Admin

4. Precondition

The customer has already created a cart with items.

5. Basic flows

No	Executor	Action
1	Customer	View the cart and request to place an order
2	Program	Check if the cart condition is satisfied
3	Program	Ask the customer to update delivery information and delivery instruction
4	Customer	Update information, choose to place a rush order or not, submit order
5	Program	Validate input. Check if the customer has placed a rush order

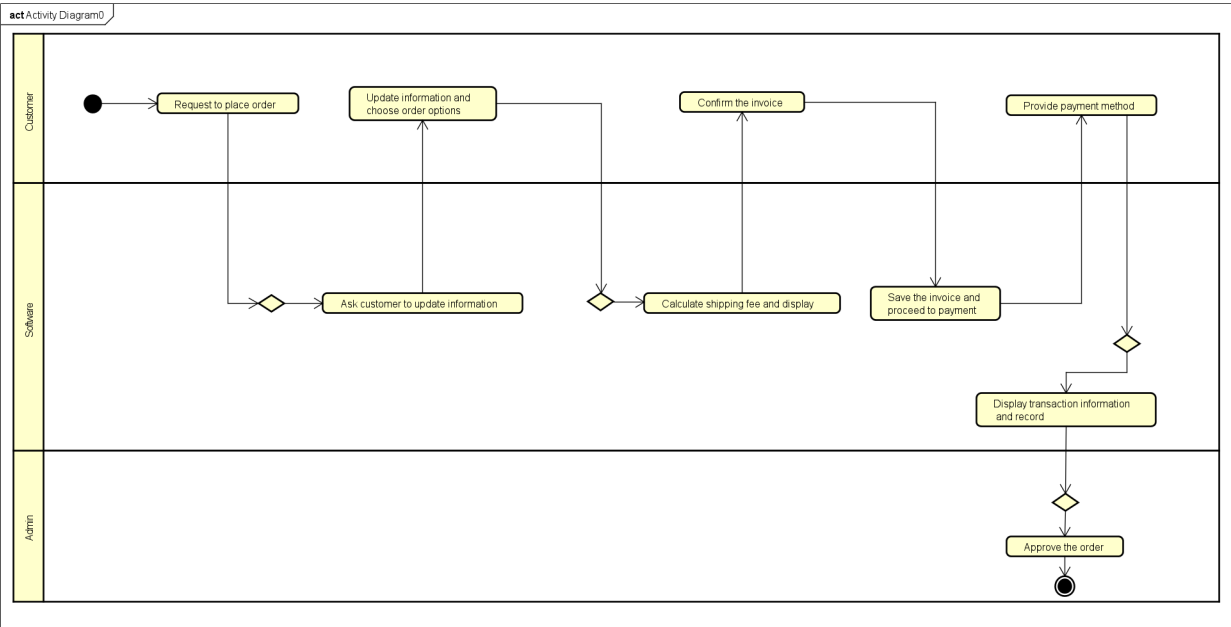
6	Program	Calculate shipping fees and display
7	Customer	Confirm the invoice
8	Program	Save the invoice and proceed to payment
9	Customer	Provide payment method
10	Program	Check successful payment, display transaction information and record it
11	Admin	Approve the order

6. Alternative flows

No	Location	Condition	Action	Resume location
2.A	Step 2	The cart condition is not valid (ordered quantity > stored quantity)	Ask the customer to update their cart	Step 1
4.A	Step 4	The customer chooses to place rush order	To use case "Place rush order"	
5.A	Step 5	The input is invalid or there is no support for rush order from any media or shipping address if rush order is chosen	Ask the customer to update delivery information	Step 4
10.A	Step 10	The customer cancel order	Refund full payment to the user	Exit use case
11.A	Step 11	The admin reject the order or the software	Refund full payment to	Exit use case

		deny the order	the user	
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7. Activity diagram



8. Input data

No	Field name	Description	Mandatory	Condition	Example
1	Name		yes		Bui Thanh Tung
2	Phone number		yes		012345678
3	Province	Choose from a list	yes		Ha Noi
4	Address		yes		1 Dai Co Viet, Hai Ba Trung
5	Shipping instruction		no		From 9-12 AM only

6	Cart		yes		
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9. Output data

No	Field name	Description	Format	Example
1	Title			DVD Outlast
2	Price		<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	321,999
3	Quantity		<ul style="list-style-type: none"> • Positive integer • Right alignment 	3
4	Amount		<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	965,997
5	Subtotal before VAT			1,000,000
6	Subtotal			1,100,000
7	Shipping fees			50,000
8	Total			1,150,000
9	Currency			VND
10	Receiver name			Bui Thanh Tung
11	Phone number			0123456789
12	Province			Ha Noi
13	Address			1 Dai Co Viet, Hai Ba

				Trung
14	Shipping instructions			From 9-12 AM only

Use case "Place rush order"

1. Use case code: UC002

2. Brief description

This use case describes the interaction between the customer and the software when the customer wants to place a rush order.

3. Actors

- Customer
- Admin

4. Precondition

The customer has already created a cart with items.

5. Basic flows

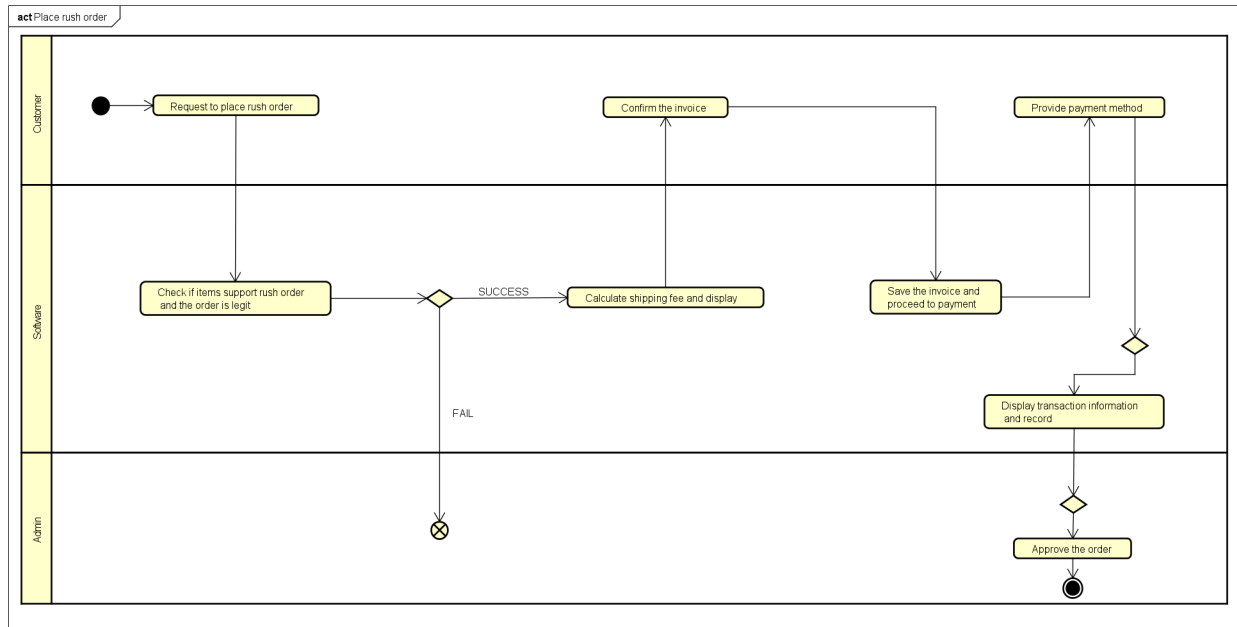
No	Executor	Action
1	Customer	Choose to place a rush order
2	Program	Validate input.
3	Program	Calculate shipping fees and display
4	Customer	Confirm the invoice

5	Program	Save the invoice and proceed to payment
6	Customer	Provide payment method
7	Program	Check successful payment, display transaction information and record it
8	Admin	Approve the order

6. Alternative flows

No	Location	Condition	Action	Resume location
2.A	Step 2	The input is invalid or there is no support for rush order from any media or shipping address if rush order is chosen	Ask the customer to update delivery information	Exit use case
7.A	Step 7	The customer cancel order	Refund full payment to the user	Exit use case
8.A	Step 8	The admin reject the order or the software deny the order	Refund full payment to the user	Exit use case

7. Activity diagram



8. Input data

No	Field name	Description	Mandatory	Condition	Example
1	Name		yes		Bui Thanh Tung
2	Phone number		yes		012345678
3	Province	Choose from a list	yes		Ha Noi
4	Address		yes		1 Dai Co Viet, Hai Ba Trung
5	Shipping instruction		no		From 9-12 AM only
6	Cart		yes		

7	Expected delivery time	Choose from calendar	yes		12/10/2021 10AM
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9. Output data

No	Field name	Description	Format	Example
1	Title			DVD Outlast
2	Price		<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	321,999
3	Quantity		<ul style="list-style-type: none"> • Positive integer • Right alignment 	3
4	Amount		<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	965,997
5	Subtotal before VAT			1,000,000
6	Subtotal			1,100,000
7	Shipping fees			50,000
8	Total			1,150,000
9	Currency			VND
10	Receiver name			Bui Thanh Tung
11	Phone number			0123456789
12	Province			Ha Noi

13	Address			1 Dai Co Viet, Hai Ba Trung
14	Shipping instructions			From 9-12 AM only

Use case “Pay order”

1. Use case code: UC003

2. Brief description

This use case describes the interaction between the customer and the software when the customer wants to pay for an order

3. Actors

- Customer
- Admin
- Interbank

4. Precondition

The customer has placed an order and the software has calculated the cost.

5. Basic flows

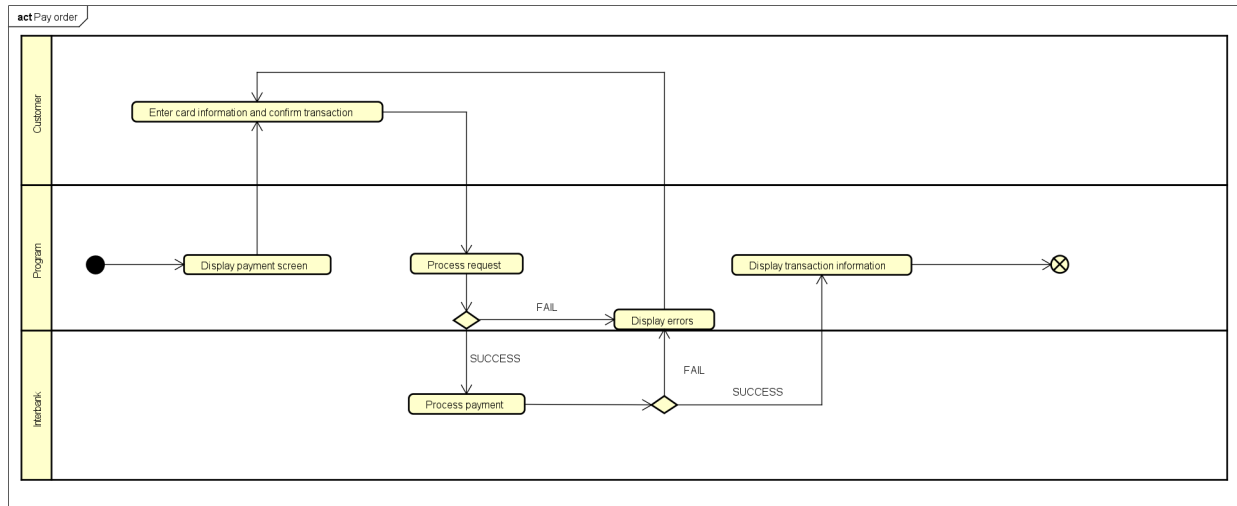
No	Executor	Action
1	Program	Display payment screen
2	Customer	Enter card information and confirm

3	Program	Check if the card format is valid or not
4	Program	Ask the interbank to process the transaction
5	Interbank	Process the transaction
6	Program	Save the payment information
7	Program	Display the transaction information

6. Alternative flows

No	Location	Condition	Action	Resume location
3.A	Step 3	The customer entered invalid card format	Notifies that the card has wrong format	Step 1
4.A	Step 4	The card is invalid	Notifies that the card is invalid	Step 1
4.B	Step 4	The card doesn't have enough balance	Notifies that the balance is not enough	Step 1

7. Activity diagram



8. Input data

No	Field name	Description	Mandatory	Condition	Example
1	Name		yes		Bui Thanh Tung
2	Card number		yes		123 456 789 123
3	Expiration date		yes	Consist of month and last 2 digits of year	13/10
4	Security Code		yes		496

9. Output data

No	Field name	Description	Format	Example
1	Transaction ID			J40431
2	Name		<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	Bui Thanh Tung
3	Changed amount		<ul style="list-style-type: none"> • Positive integer • Right alignment 	100,000
4	Transaction description			
5	Balance		<ul style="list-style-type: none"> • Comma for thousands separator • Positive integer • Right alignment 	10,000,000
6	Transaction date		DD/MM/YYYY	12/10/2021
7	Time		HH:SS AM/PM	10:12 AM