

Use Case “Place Order”

1. Use case code

UC001

2. Brief Description

This use case describes the interaction between customers and AIMS software when the customer wishes to place order.

3. Actor

3.1. Customer

3.2. AIMS software

4. Preconditions

There is an active network connection to the Internet

5. Basic Flow of Events

1. The customer requests to place order in the view cart screen
2. The software checks the availability of products in the cart
3. The software displays the form of delivery info (see table B)
4. The customer enters and submits delivery info
5. The software checks the validity of info
6. The software checks if the customer has chosen to place a rush order
7. The software calculates shipping fees
8. The software displays invoice (see table C)
9. The customer confirms to place order
10. The software calls UC “Pay order”
11. The software saves order
12. The software makes cart empty
13. The software displays the successful order notification

6. Alternative Flows

Table A – Alternative flow of events for UC “Place Order”

No	Location	Condition	Action	Resume location
1.	At Step 2	If there is media of which quantity in the stock is less than the ordered quantity	The software asks the customer to update the cart	At Step 2
2.	At Step 3	If customer chooses to place a rush order	Insert use case “Place rush order”	At Step 3
3.	At Step 5	If mandatory field is left blank	The software asks customer to fill all the mandatory fields	At Step 3

4.	At Step 5	If the phone number is invalid	The software asks customer to enter valid phone number	At Step 3
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7. Postconditions

The logs have been updates accordingly

8. Input data

Table B – Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name		Yes		DO MINH HIEU
2.	Phone Number		Yes		0983525262
3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		12, 34 Alley of Tran Thai Tong street, Cau Giay district
5.	Shipping instructions		No		

9. Output data

Table C – Output data of displaying invoice

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Phim
2.	Price	Price of the corresponding media product	<ul style="list-style-type: none"> Comma for thousands separator Positive integer Right alignment 	123,000
3.	Quantity	Quantity of the corresponding media	<ul style="list-style-type: none"> Positive integer Right alignment 	2
4.	Amount	Total money of the corresponding media	<ul style="list-style-type: none"> Comma for thousands separator Positive integer Right alignment 	246,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT		2,106,000
6.	Subtotal	Total price of products with VAT		2,316,000
7.	Shipping fees			30,000
8.	Total	Sum of subtotal and shipping fees		2,346,000
9.	Currency			VND
10.	Name			DO MINH HIEU
11.	Phone Number			0913253256

12.	Province	Choose from a list		Hanoi
13.	Address			12 Tran Thai Tong street

Use Case “Place Rush Order”

1. Use case code

UC001

2. Brief Description

This use case describes the interaction between customers and AIMS software when the customer wishes to place order.

3. Actor

- a. Customer
- b. AIMS software

4. Preconditions

There is an active network connection to the Internet

5. Basic Flow of Events

1. The customer requests to place order in the view cart screen
2. The software checks the availability of products in the cart
3. The software displays the form of delivery info (see table B)
4. The customer enters and submits delivery info
5. The software checks the validity of info
6. The software checks if the customer has chosen to place a rush order
7. The software checks if there is any media and shipping address that are supported to place rush order
8. The software displays the screen for rush order
9. The customer updates rush order info and submits (see table D)
10. The software calculates the media supported to rush order, otherwise shipped as usual
11. The software calculates shipping fees
12. The software displays invoice (see table C)
13. The customer confirms to place order
14. The software calls UC “Pay order”
15. The software saves order

16. The software makes cart empty
17. The software displays the successful order notification

6. Alternative Flows

Table A – Alternative flow of events for UC “Place Order”

No	Location	Condition	Action	Resume location
1.	At Step 2	If there is media of which quantity in the stock is less than the ordered quantity	The software asks the customer to update the cart	At Step 2
2.	At Step 3	If customer chooses to place a rush order	Insert use case “Place rush order”	At Step 3
3.	At Step 5	If mandatory field is left blank	The software asks customer to fill all the mandatory fields	At Step 3
4.	At Step 5	If the phone number is invalid	The software asks customer to enter valid phone number	At Step 3
5.	At Step 7	If there is no media or shipping addresses supported to rush order	The software asks customers to update delivery info	At Step 3

7. Postconditions

The logs have been updates accordingly

8. Input data

Table B – Input data of delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name		Yes		DO MINH HIEU
2.	Phone Number		Yes		0983525262
3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		12, 34 Alley of Tran Thai Tong street, Cau Giay district
5.	Shipping instructions		No		

Table D – Input data of rush order information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	Receiver Name		Yes		DO MINH HIEU
2.	Phone Number		Yes		0983525262

3.	Province	Choose from a list	Yes		Hanoi
4.	Address		Yes		12, 34 Alley of Tran Thai Tong street, Cau Giay district
5.	Shipping instructions		No		
6.	Expected time interval		Yes		1 day

9. Output data

Table C – Output data of displaying invoice

No	Data fields	Description	Display format	Example
1.	Title	Title of a media product		DVD Phim
2.	Price	Price of the corresponding media product	<ul style="list-style-type: none"> ▪ Comma for thousands separator ▪ Positive integer ▪ Right alignment 	123,000
3.	Quantity	Quantity of the corresponding media	<ul style="list-style-type: none"> ▪ Positive integer ▪ Right alignment 	2
4.	Amount	Total money of the corresponding media	<ul style="list-style-type: none"> ▪ Comma for thousands separator ▪ Positive integer ▪ Right alignment 	246,000
5.	Subtotal Before VAT	Total price of products in the cart before VAT		2,106,000
6.	Subtotal	Total price of products with VAT		2,316,000
7.	Shipping fees			30,000
8.	Total	Sum of subtotal and shipping fees		2,346,000
9.	Currency			VND
10.	Name			DO MINH HIEU
11.	Phone Number			0913253256
12.	Province	Choose from a list		Hanoi
13.	Address			12 Tran Thai Tong street
14.	Expected time interval			1 day