

# IT4490 – Software Design and Construction

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## USE-CASE “PLACE RUSH ORDER”

### 1. Use case code

UC003

### 2. Brief description

This use case describes the interaction between the AIMS software with the customer and VNPay when the customer desires to register rush order delivery services.

### 3. Actors

3.1. The AIMS software

3.2. Customer

### 4. Preconditions

- There is at least one item in the cart

### 5. Basic Flow of Event

Step 1: AIMS software checks whether the delivery address supports this service

Step 2: AIMS software finds all of products that are eligible for this service

Step 3: Customer enters rush order delivery information (Table 9)

Step 4: AIMS software recalculates and displays separately for regular delivery and rush order delivery the order information with shipping fees (2 situations) (Table 10)

### 6. Alternative flows

Table 8: Alternative flow of events for UC "Place Rush Order"

No	Location	Condition	Action	Resume location
1	Step 2	If the delivery address doesn't support this service	The AIMS software prompts the customer to	Use case ends

2	Step 3	If no products are eligible for this service	update the delivery information	Use case ends
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## 7. Input data

Table 9: Input data of rush order delivery information

No	Data fields	Description	Mandatory	Valid condition	Example
1	Delivery Time	Choose from a calendar	Yes	hh:mm yy/mm/dd	12:30 2024/9/19
2	Delivery Instructions		No		

## 8. Output data

Table 10: Output data of the order information rush delivery

No	Data fields	Description	Display format	Example
1	Title	Title of a media product		DVD Phim Vượt ngục
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 corresponding media	- Comma for thousands separator - Positive integer - Right alignment	246,000
5	Subtotal	Total price of products in the cart	- Comma for thousands separator - Positive integer - Right alignment	2,106,000
7	Shipping fees			30,000
8	Total	Sum of subtotal and shipping fees		2,346,000
9	Currency			VND

Note: Output data of the order information with regular delivery is same to above table

## 9. Post-conditions

- Software receives information about delivery fees that is separately for each delivery method

