hotels combined®

Hotels combined
+
Rental system

6조 김진석 이상민 조규상 이혜진 송지수

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[Enterprise Introduction]

Enterprise Introduction

- Founded in Australia, 2005
- Handling 40+ languages & 120+ currencies
- Partnered with 100+ travel sites & hotel chain sites

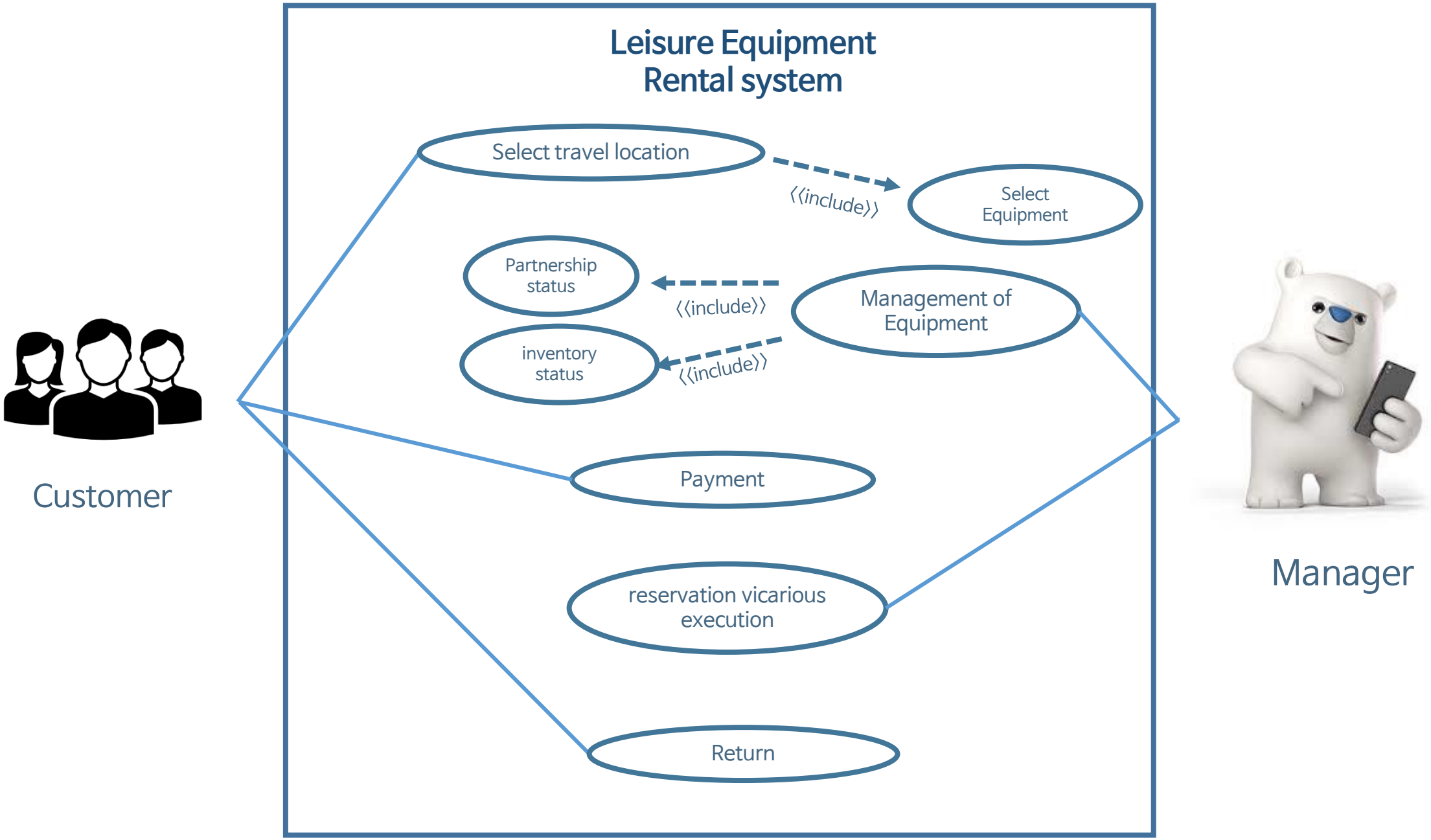
Introduction

hotels combined®

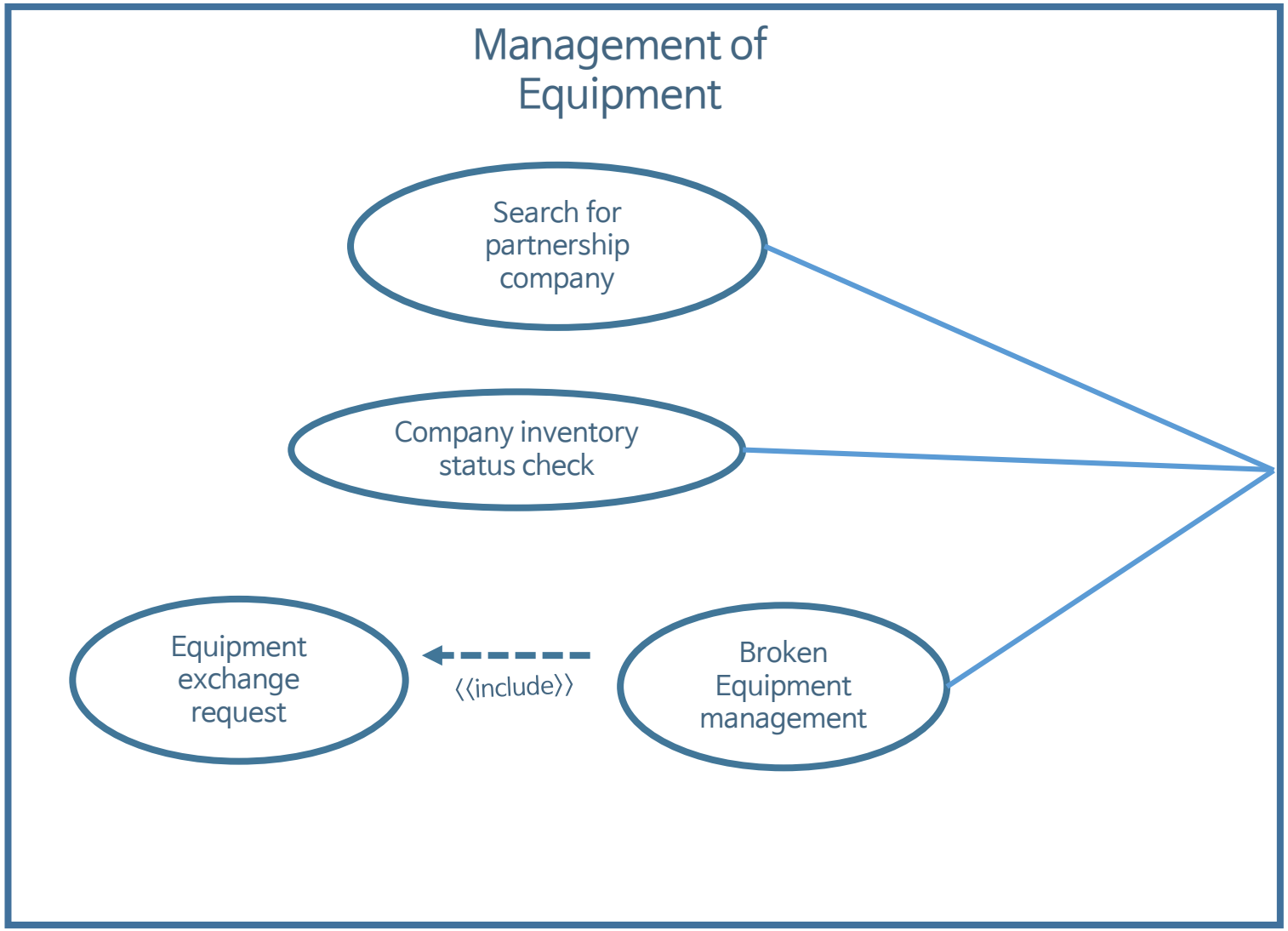
Hotels combined app + Equipment Rental system

[Use Case]

Use Case

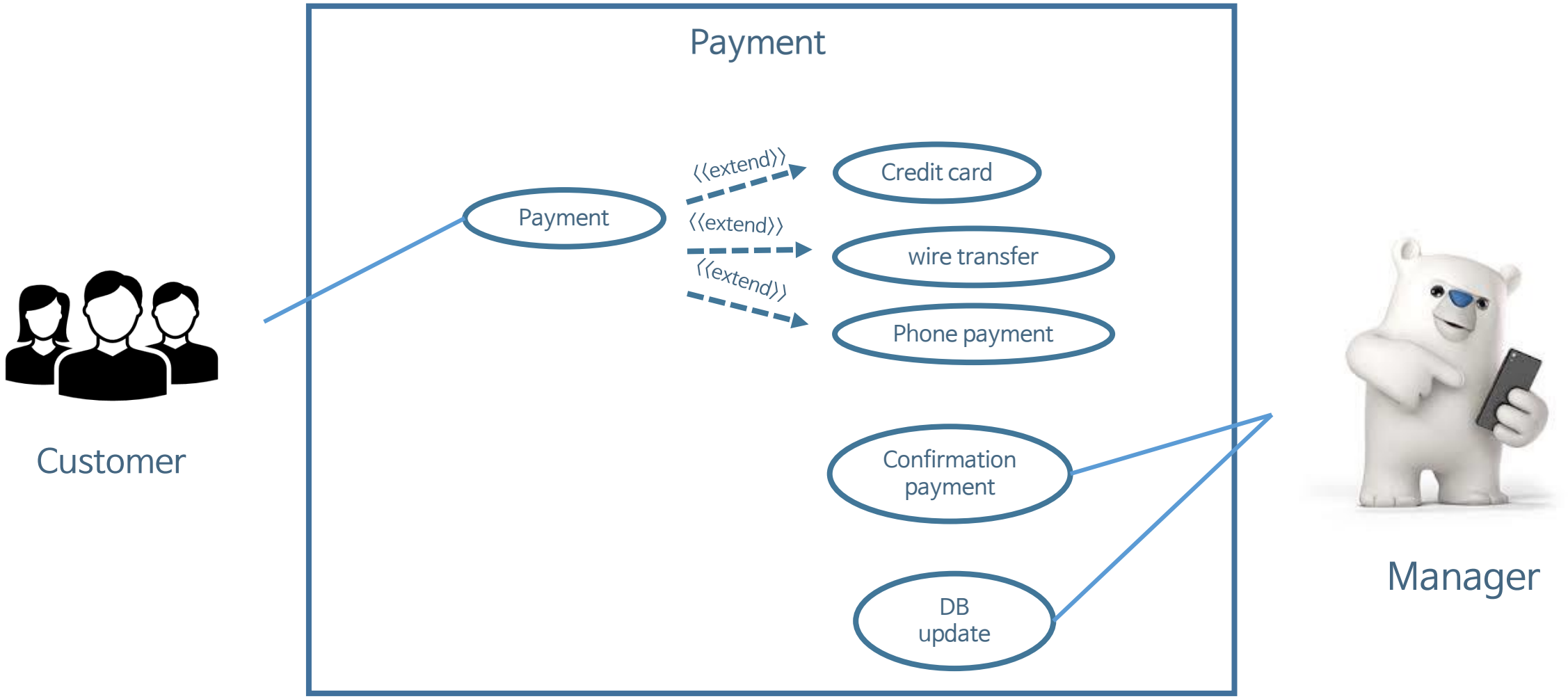

Leisure Equipment
Rental system
Select travel location
⟨⟨include⟩⟩
Select
Equipment
Partnership
status
⟨⟨include⟩⟩
Management of
Equipment
inventory
status
⟨⟨include⟩⟩
Payment
reservation vicarious
execution
Return
Customer
Manager

Use Case - subsystem 1



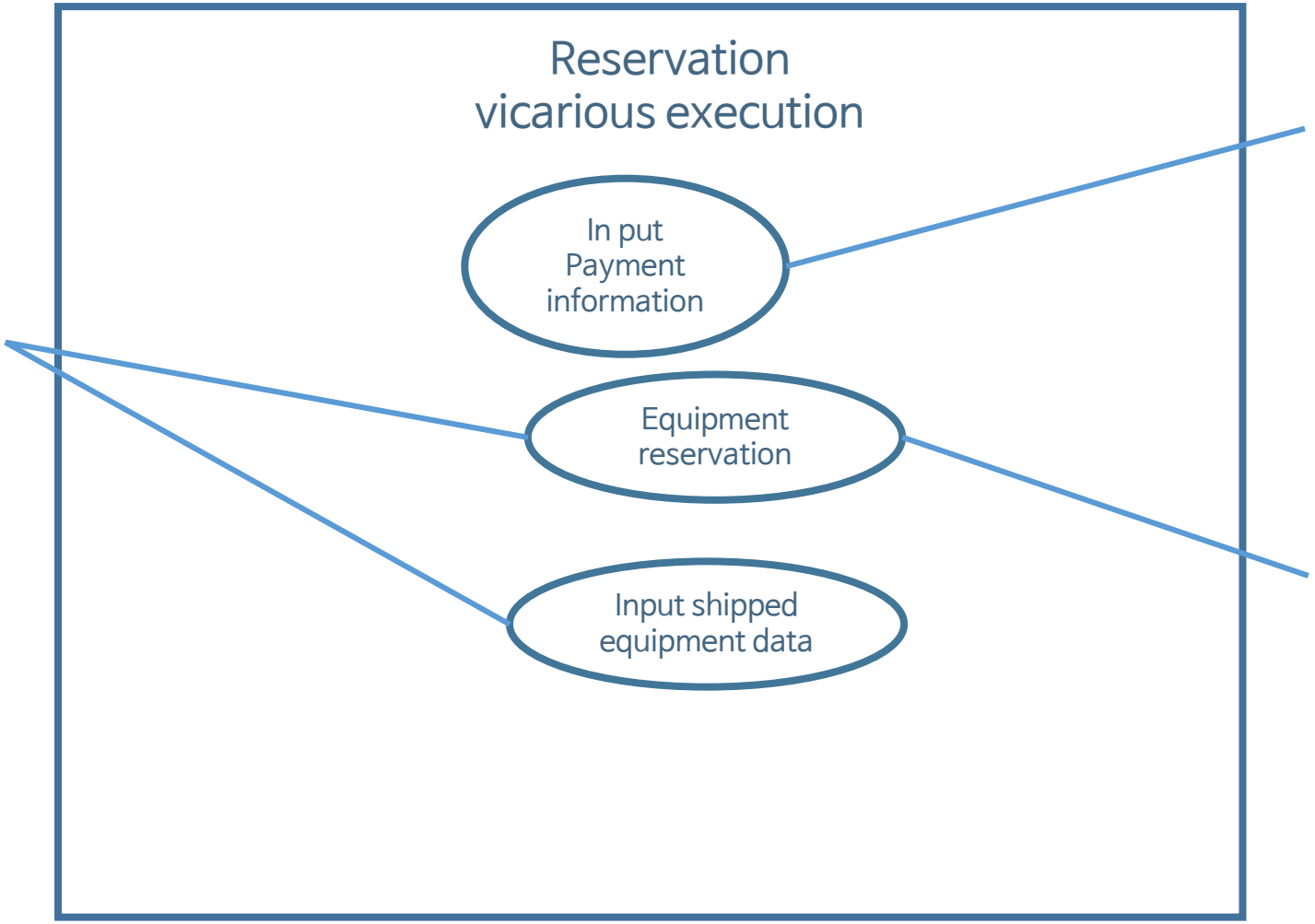
Manager

Use Case - subsystem 2



Use Case - subsystem 3

Manager



Customer

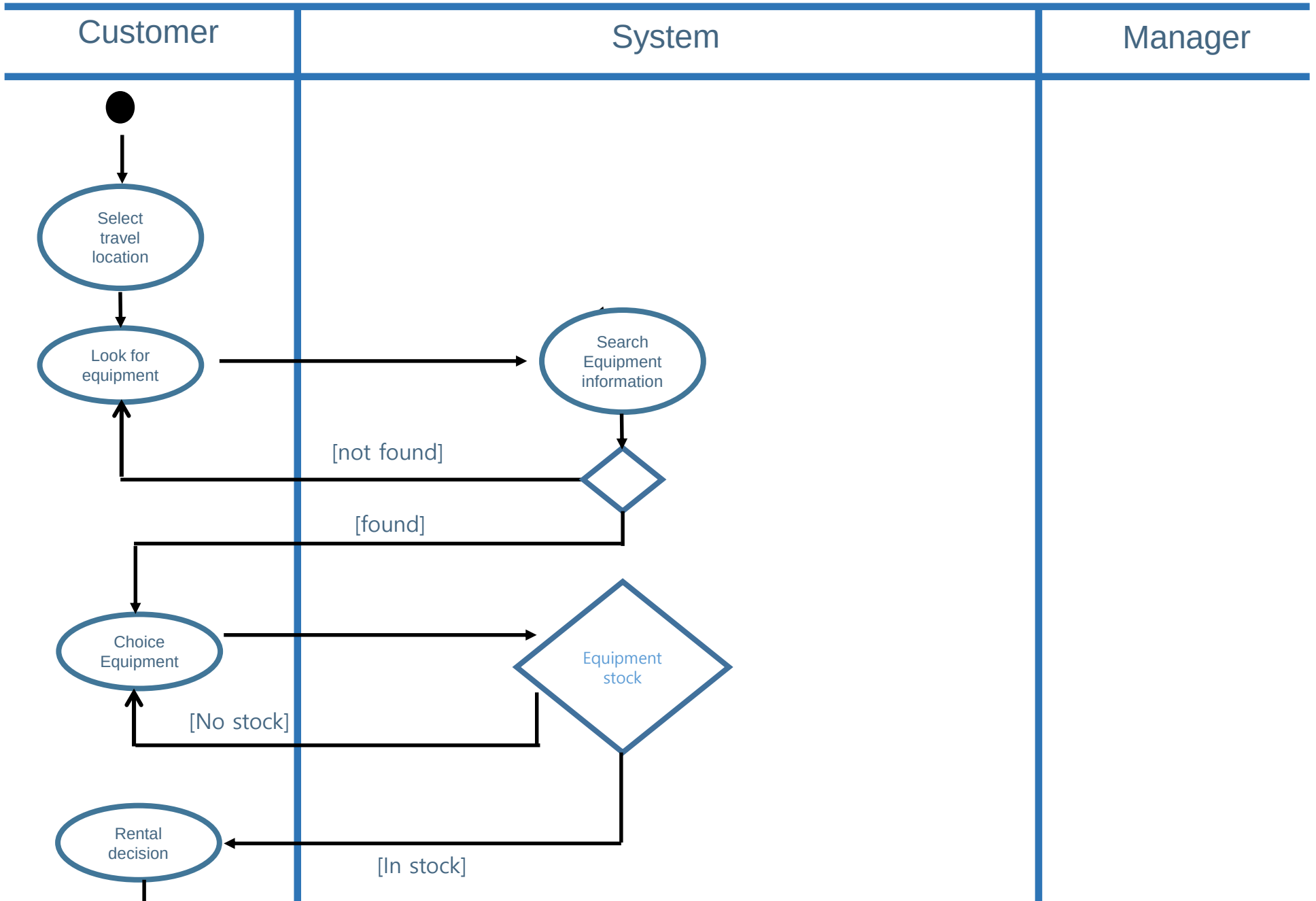
Rental equipment
company

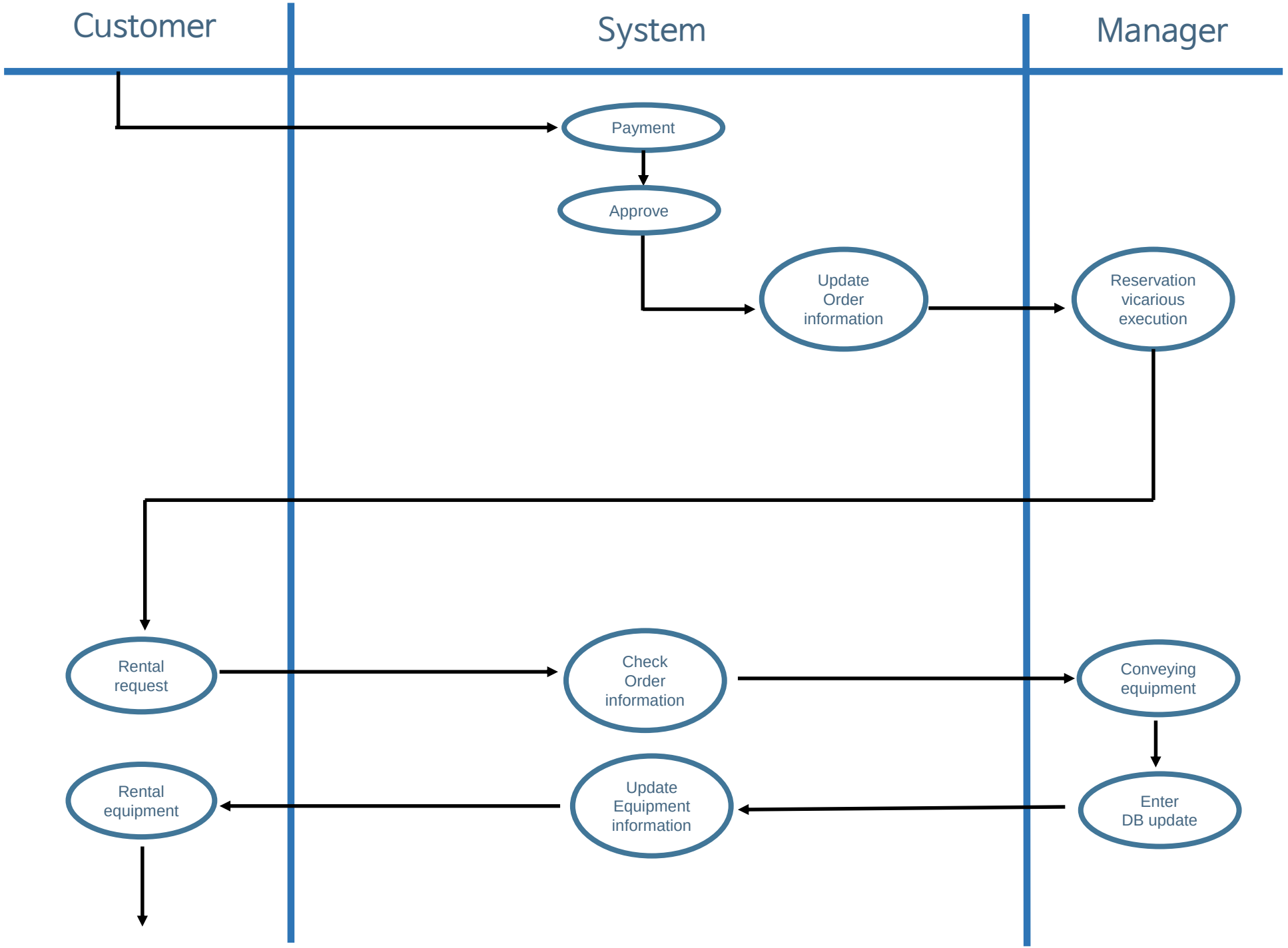
Use case description

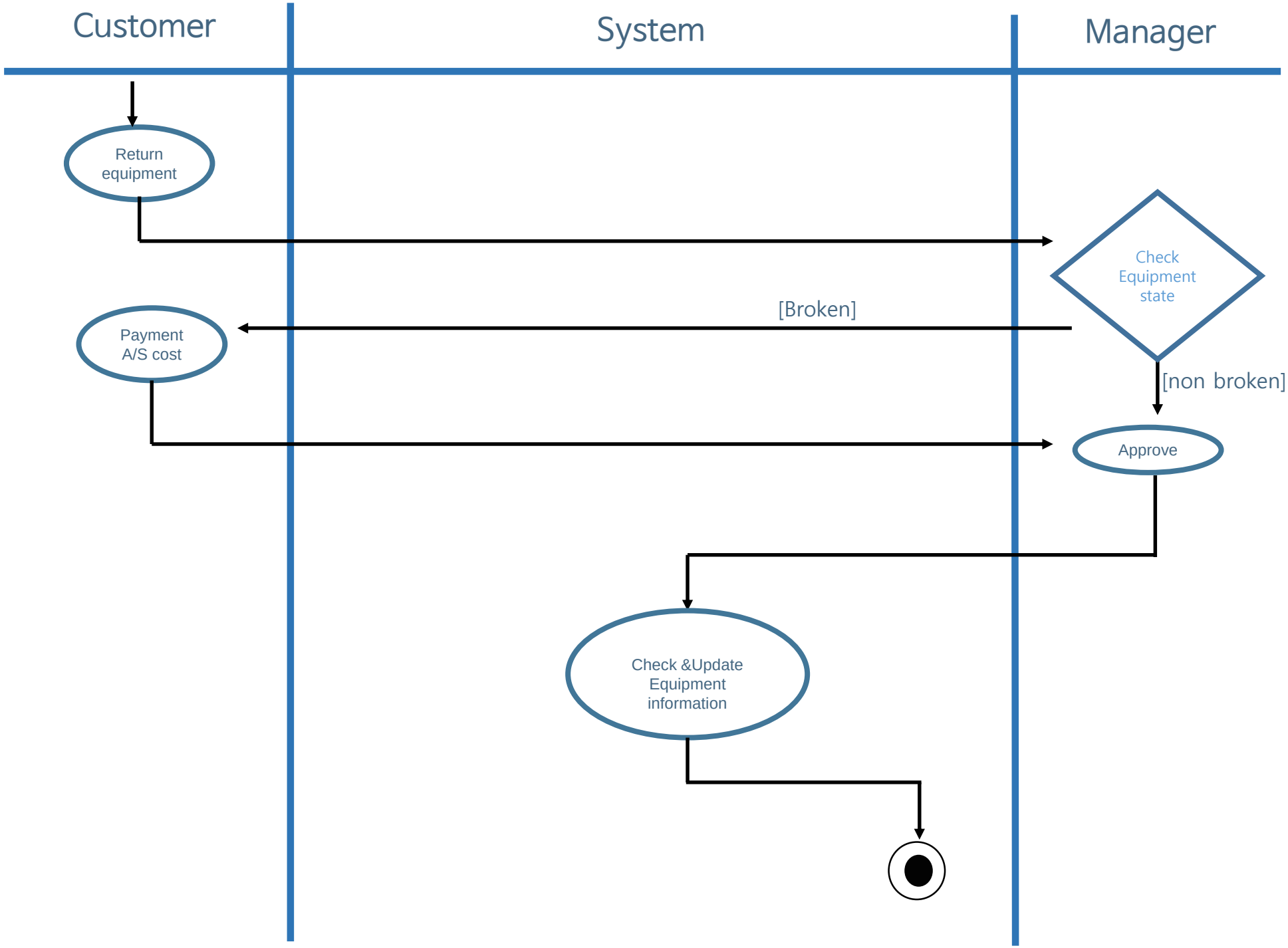
Select travel location	*Using travel location list, find travel location information and select*
Select Equipment	*Using list of rental equipment, find the necessary rental equipment and select*
Management of equipment	*Updating and managing rental equipment information using the system*
Partnership status	*Managing partnership with rental equipment provider*
Inventory status	*Updating and managing rental equipment status*
Payment	*Payment by credit card, wire transfer, or mobile phone*
Reservation vicarious execution	*Make a reservation from a rental equipment provider that is a partnership company*
Return	*Returning the rental equipment and checking equipment status*

[Activity Diagram]

Activity Diagram




Customer
System
Manager
Payment
Approve
Update
Order
information
Reservation
vicarious
execution
Rental
request
Check
Order
information
Conveying
equipment
Rental
equipment
Update
Equipment
information
Enter
DB update


Customer
System
Manager
Return equipment
Check Equipment state
[Broken]
Payment A/S cost
[non broken]
Approve
Check &Update Equipment information

[Class Diagram]

Customer
- -CID *
- -Name
- -Phone number
- -Birth date
- -그 외 신상정보

Order
- -OID*
- -EID
- -CID
- -Rental date
- -Total price

Equipment
- -EID *
- -Size
- -Rental price
- -Amount
- -Category
- -State
- -Location

Return
- -RID *
- -OID
- -Return date
- -Check for damage
- -A/S cost

Payment
- -PID *
- -OID
- -Payment date

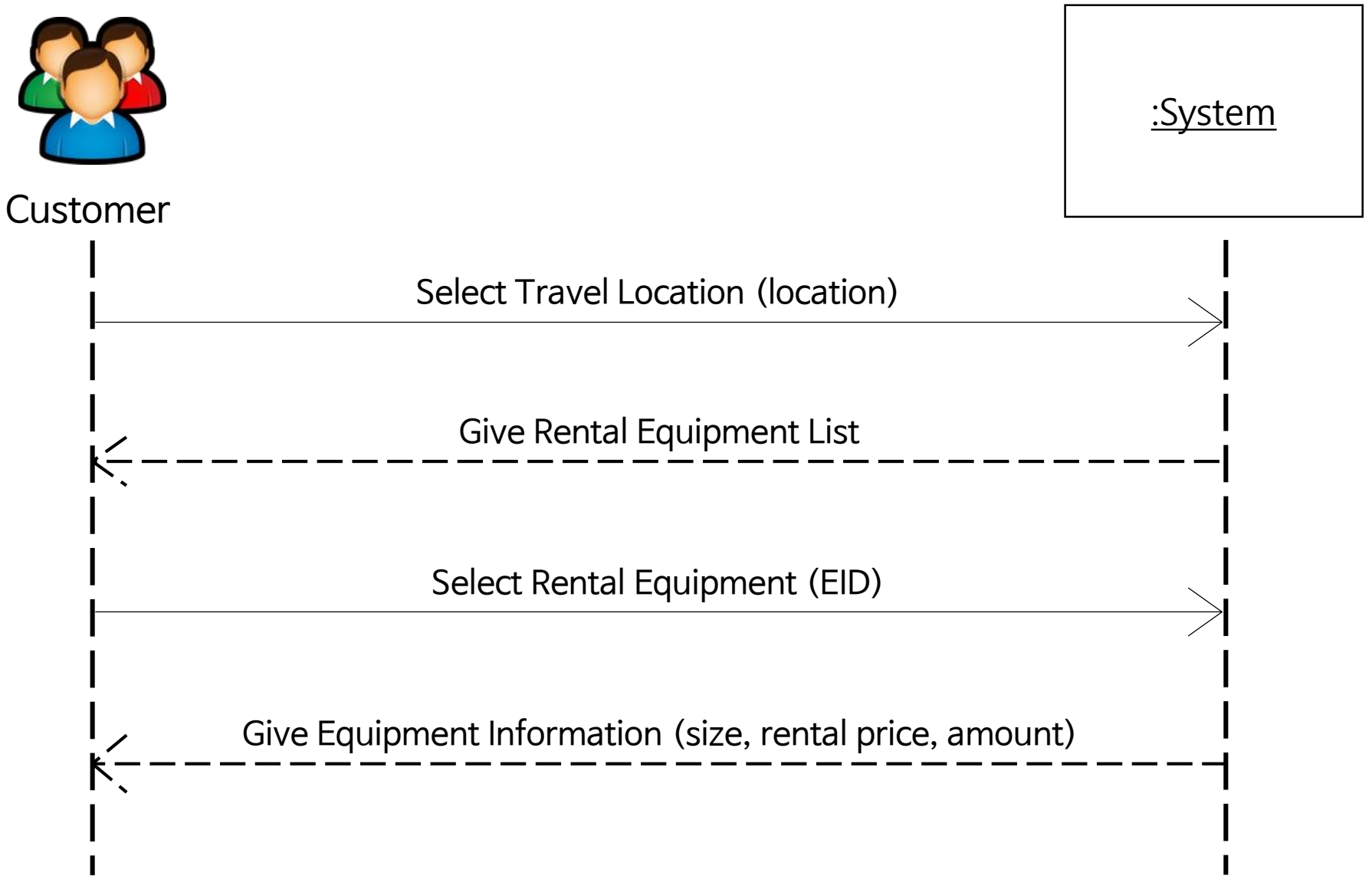
Credit card
- -Card Number
- -Card bank

Wire transfer
- -Account number
- -Sender

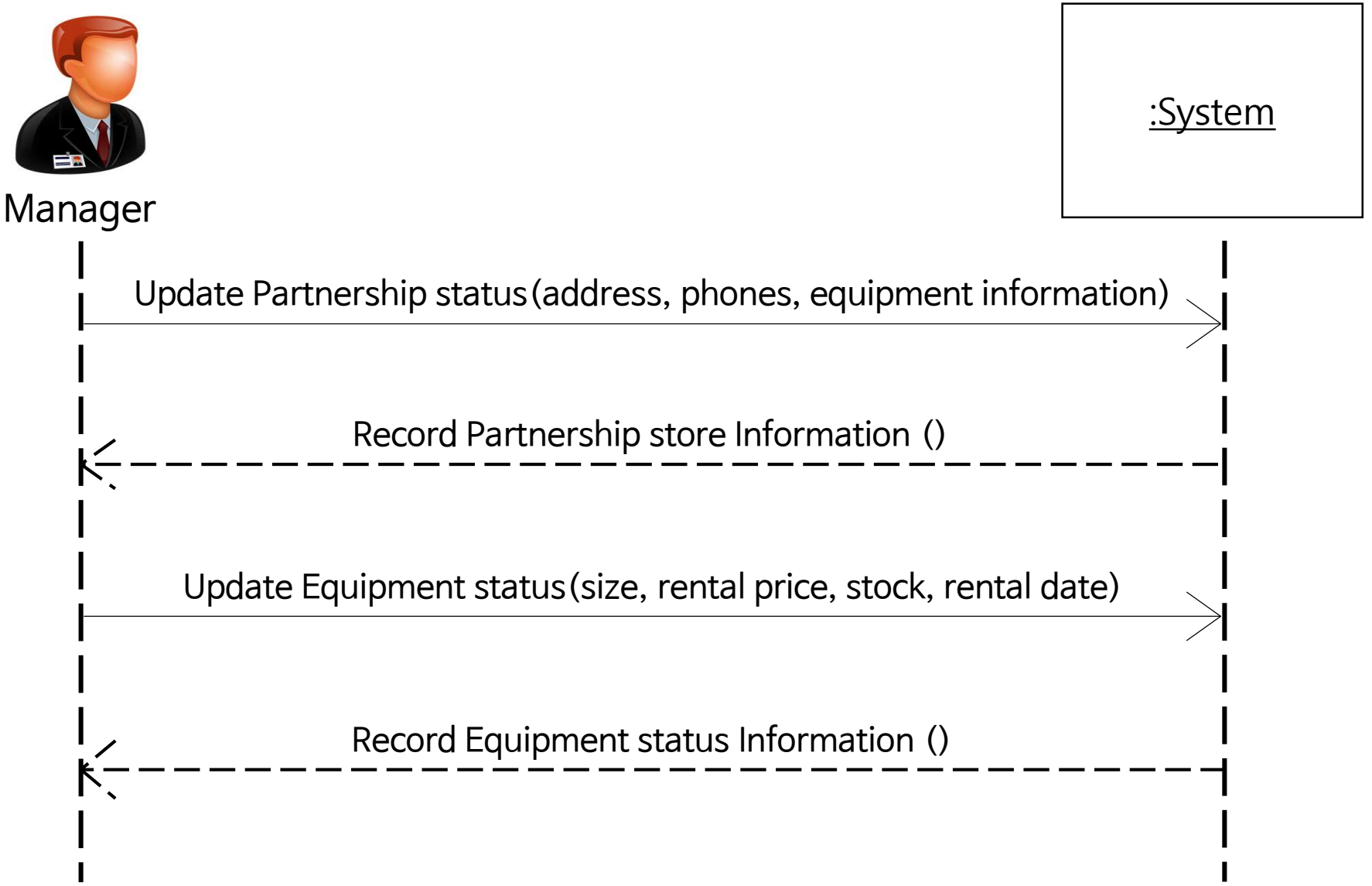
Phone payment
- -RID *
- -OID
- -Payment date

[System Sequence]

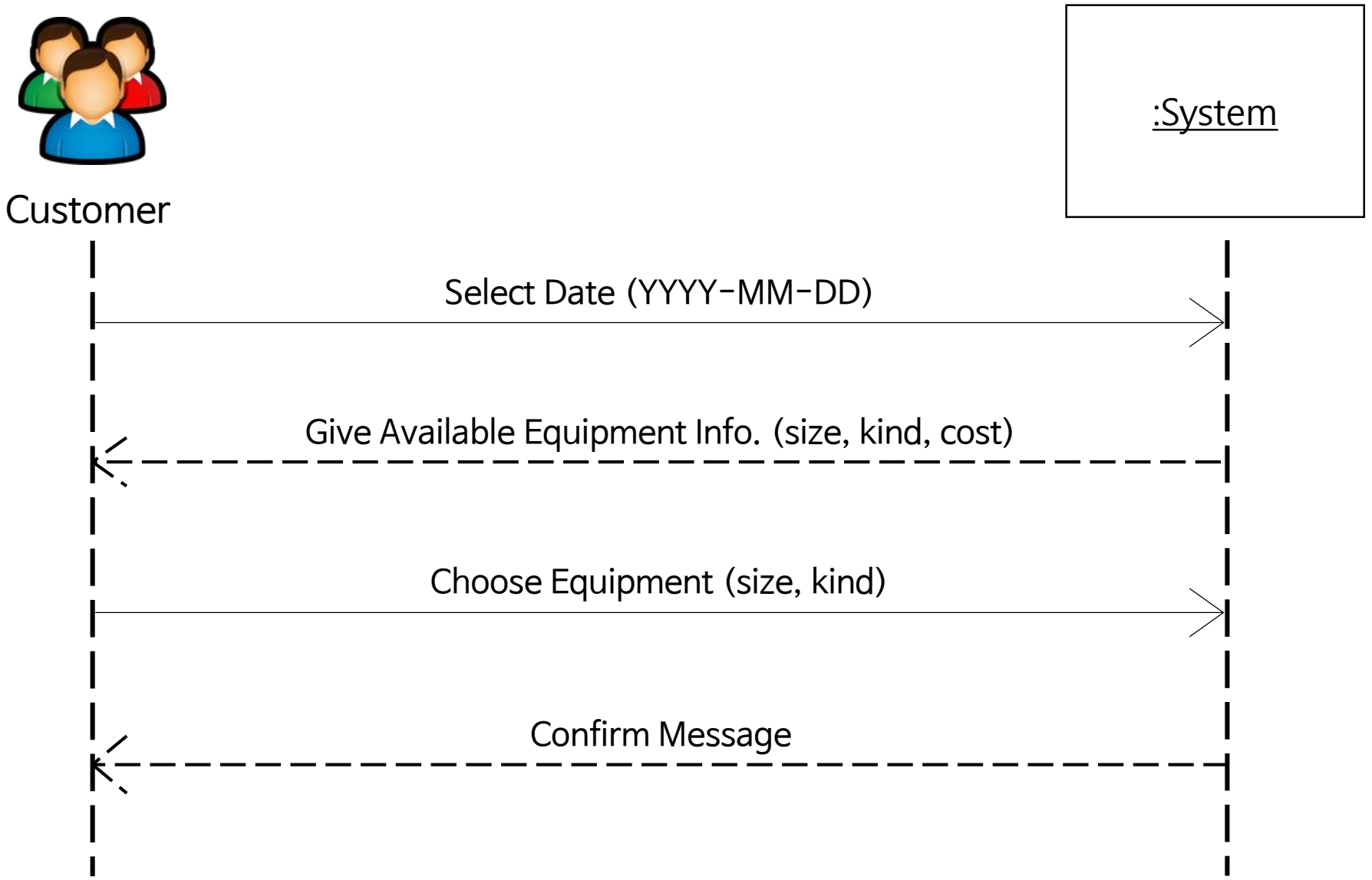
SSD for Select travel location



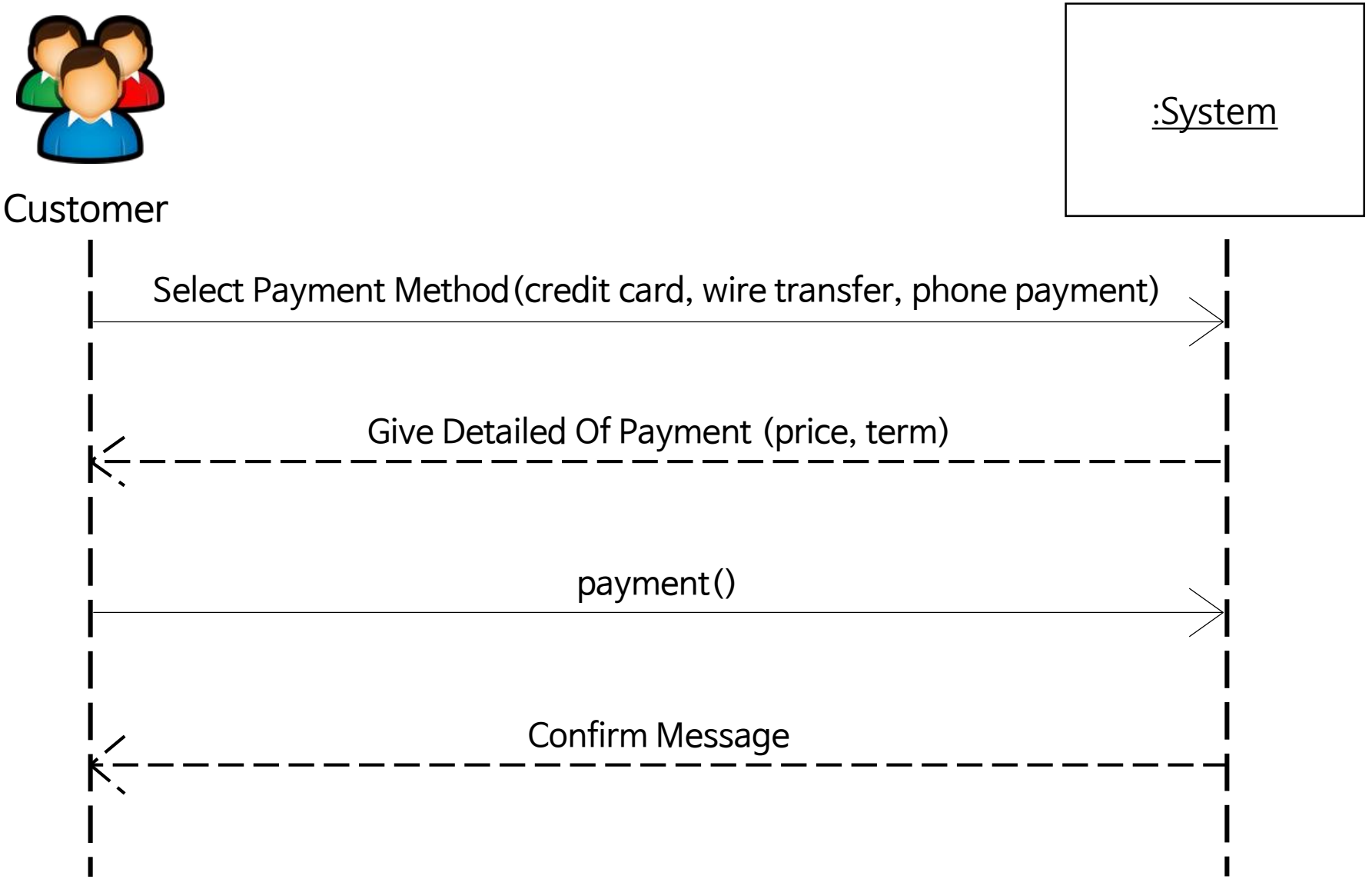
SSD for Management of equipment



SSD for Reservation vicarious execution

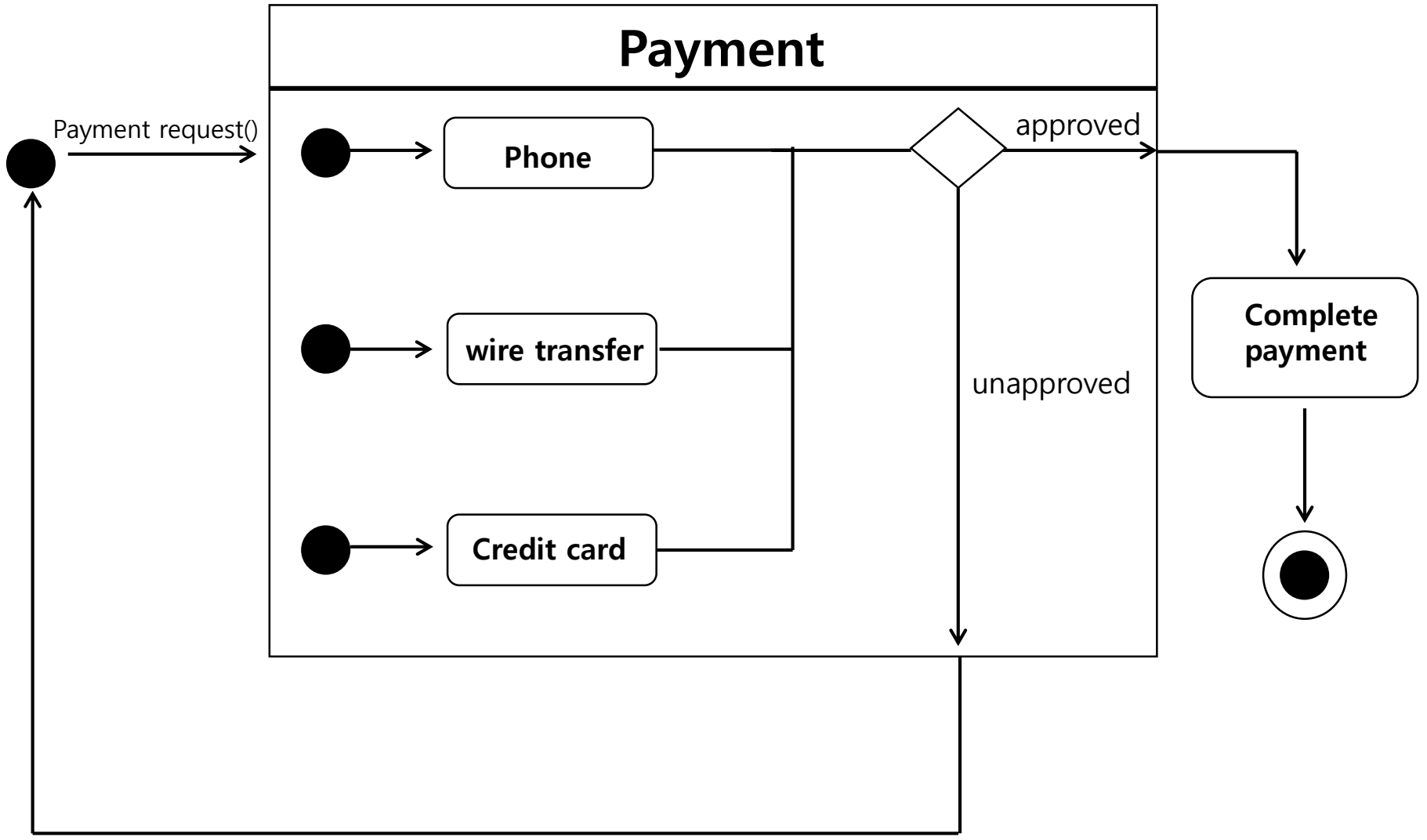


SSD for payment

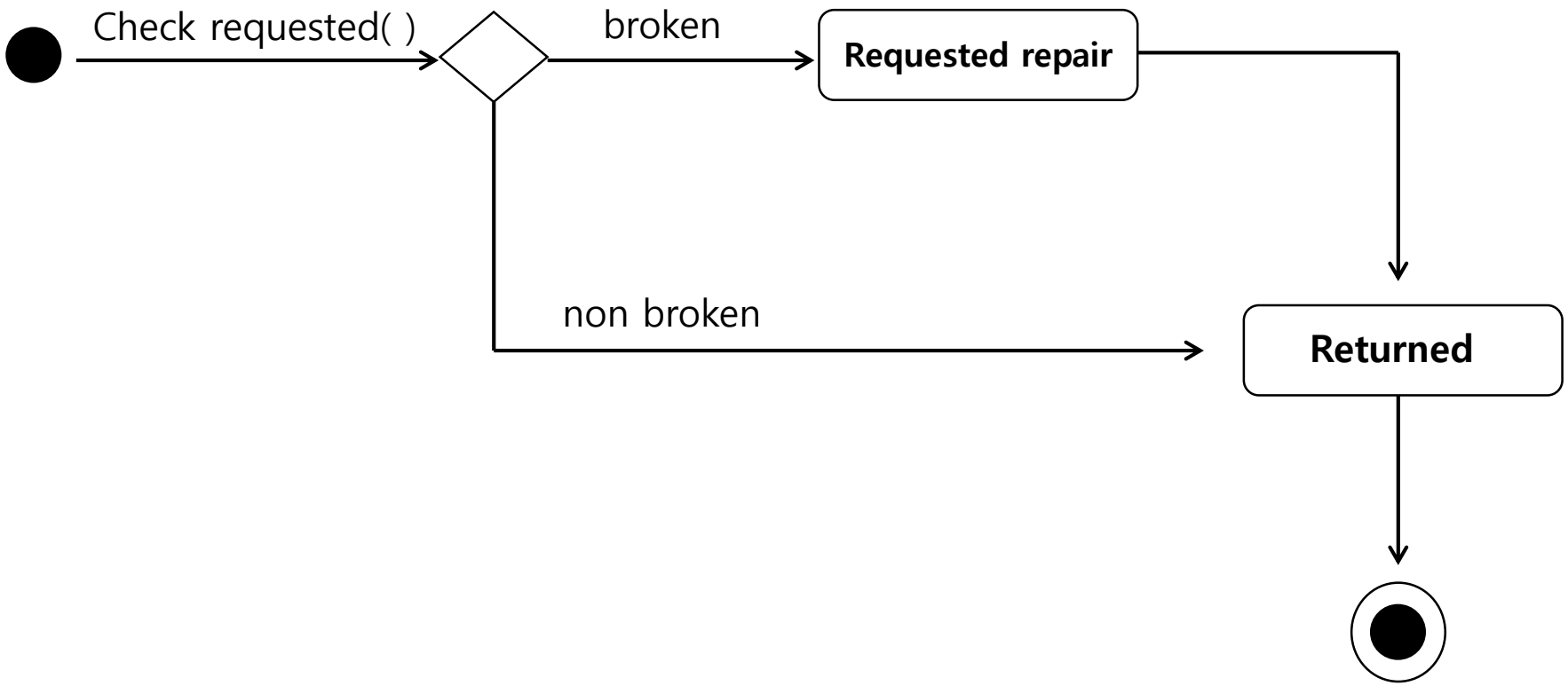


[State Machine]

State Machine Diagram – Payment



State Machine Diagram – (Returned) Equipment



[Q&A]

Thank you