REQUIREMENTS ANALYSIS AND DESIGN (PHÂN TÍCH VÀ THIẾT KẾ YÊU CẦU) 502050

Chapter 8
Design Discipline III

Outline
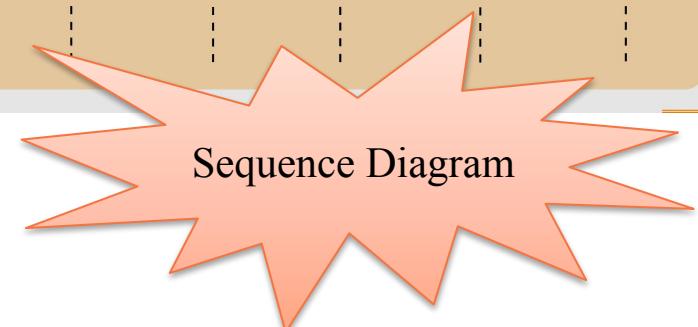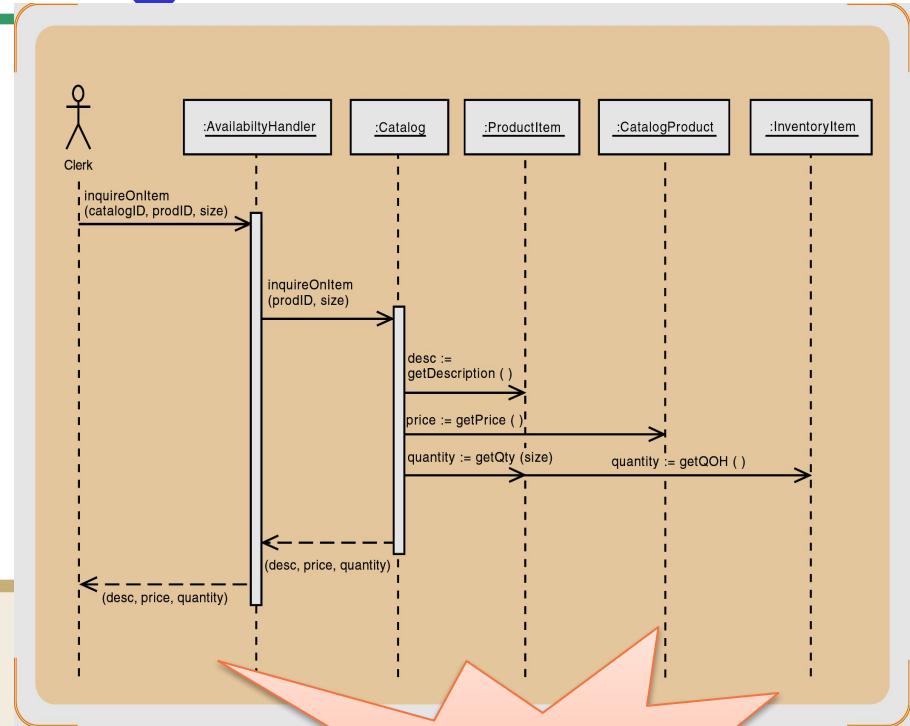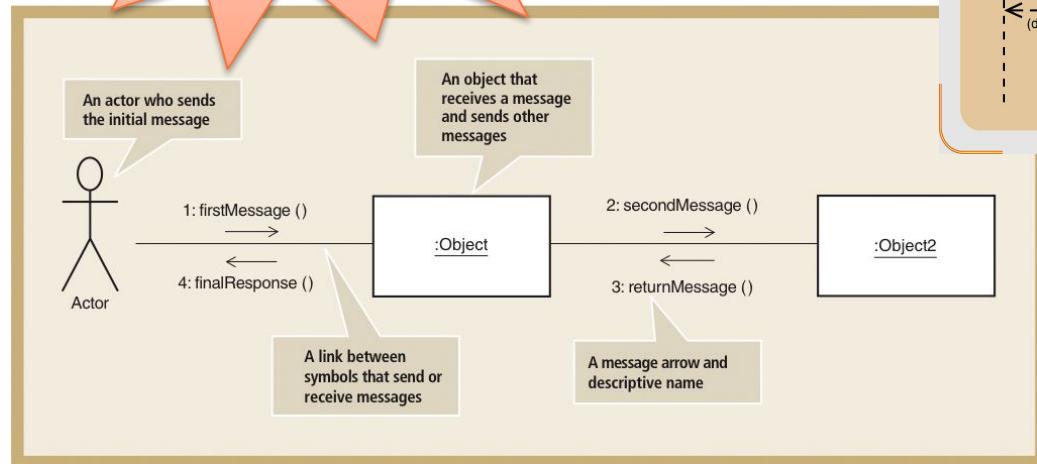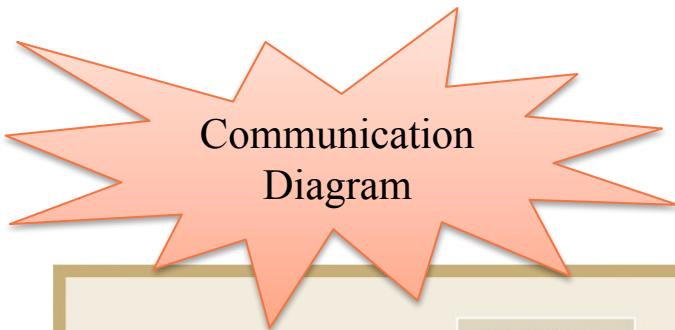
- Interaction Diagrams
- Communication Diagrams
- Sequence Diagrams
- Visual Paradigm Demo

Interaction Diagrams

2 types of interaction diagrams:
1. Communication diagram
2. Sequence diagram

# Communication Diagrams and Sequence Diagram

Communication Diagram
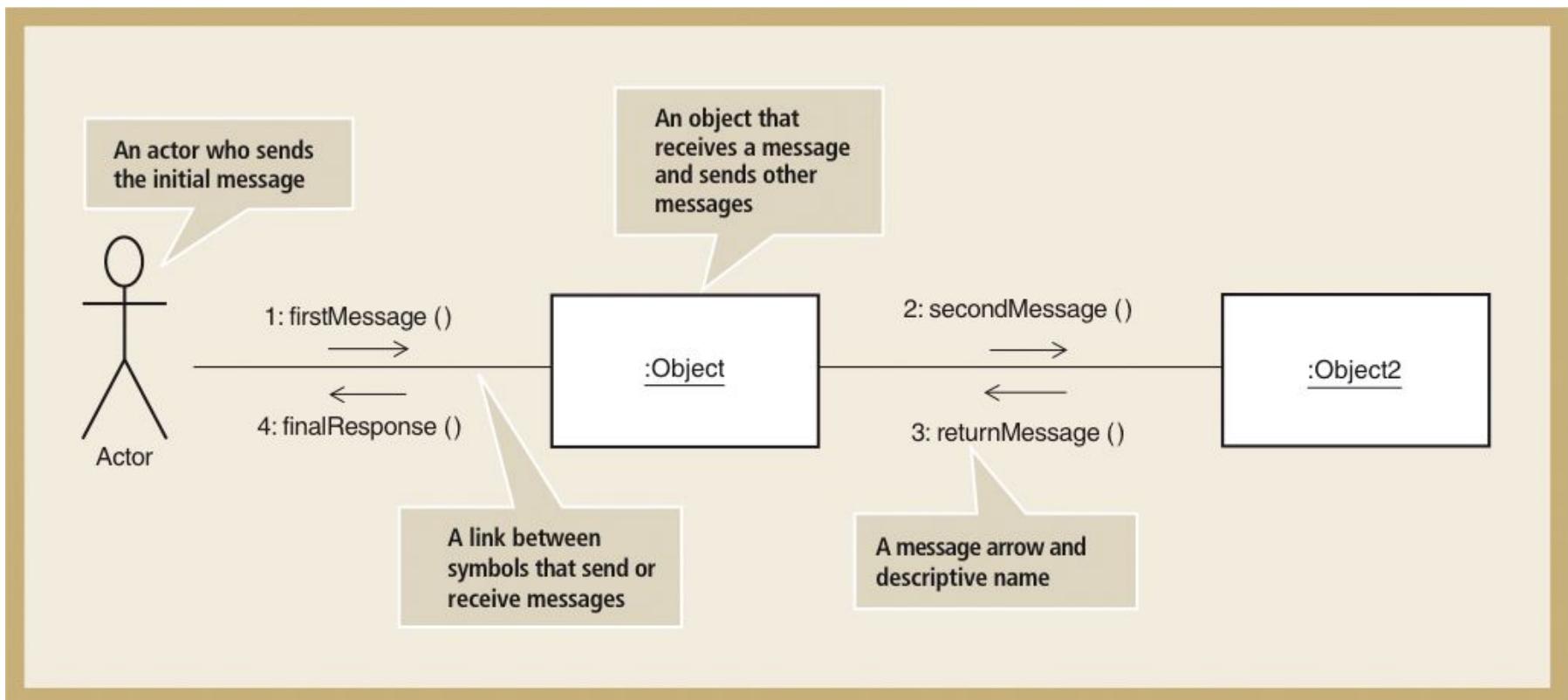
Sequence Diagram

Interaction Diagrams

- Communication Diagram and Sequence diagram
  - Both are interaction diagrams
  - Both capture the same information
 - Process of designing is the same for both
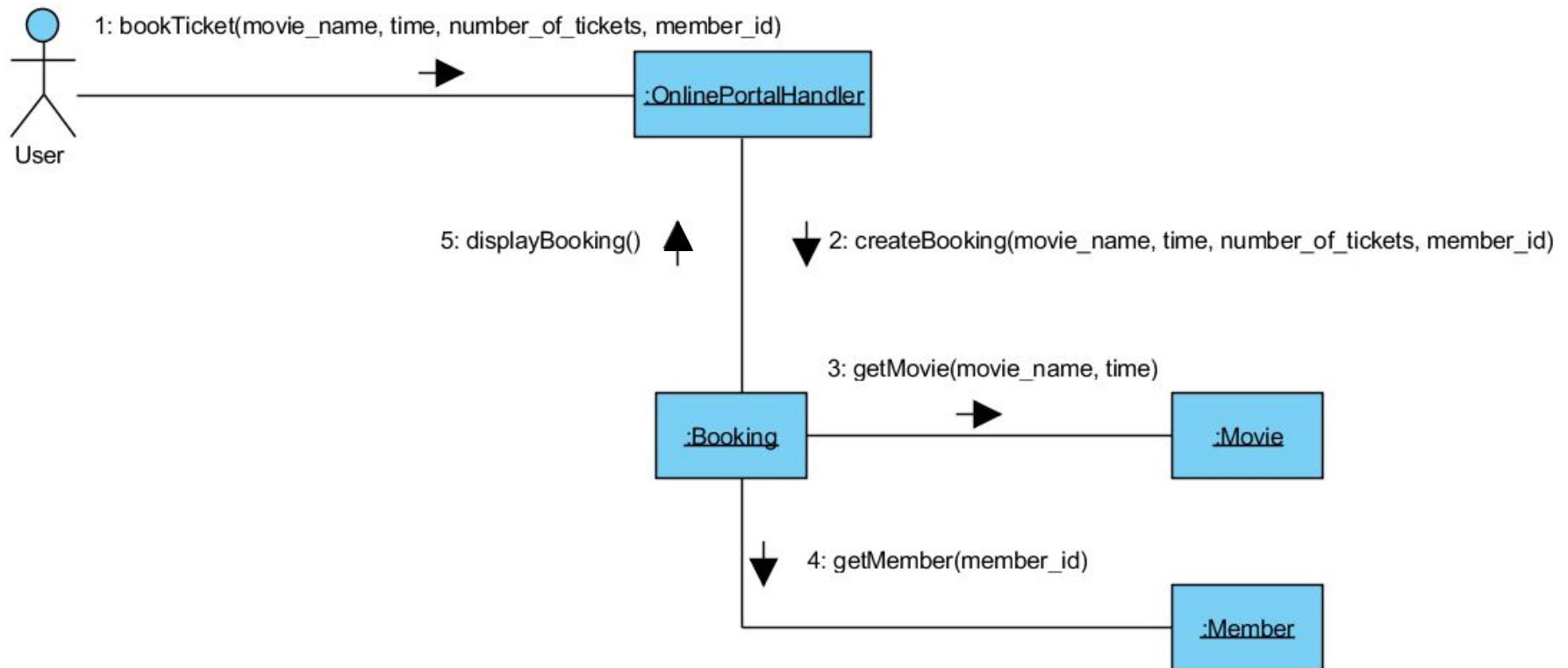
# Communication Diagrams

- ## Communication Diagram Symbols
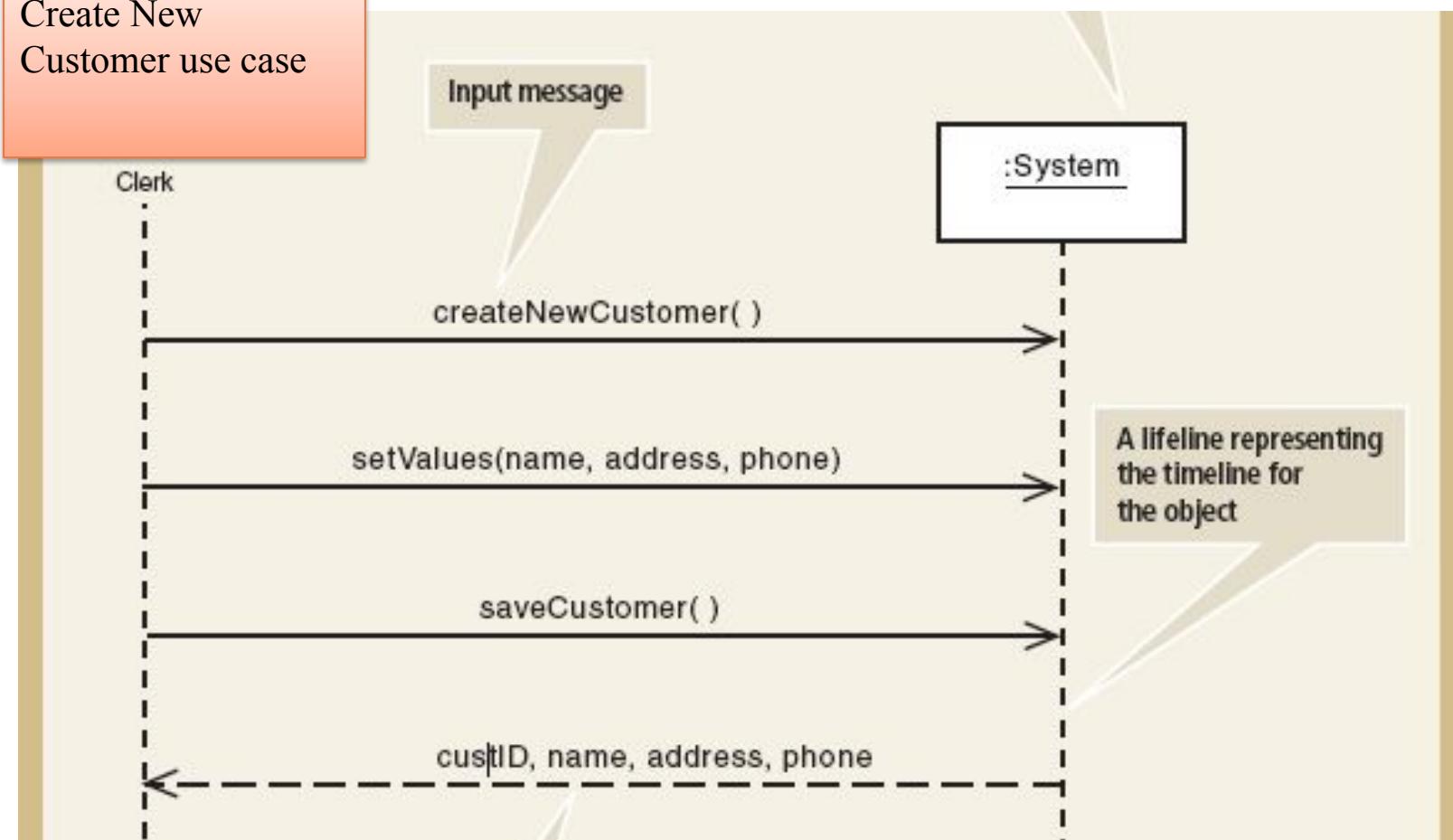
Communication Diagrams Example – Book Movie Tickets

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Sequence Diagrams

Create New
Customer use case

Input message

Clerk

:System

createNewCustomer( )

setValues(name, address, phone)

A lifeline representing
the timeline for
the object

saveCustomer( )

custID, name, address, phone
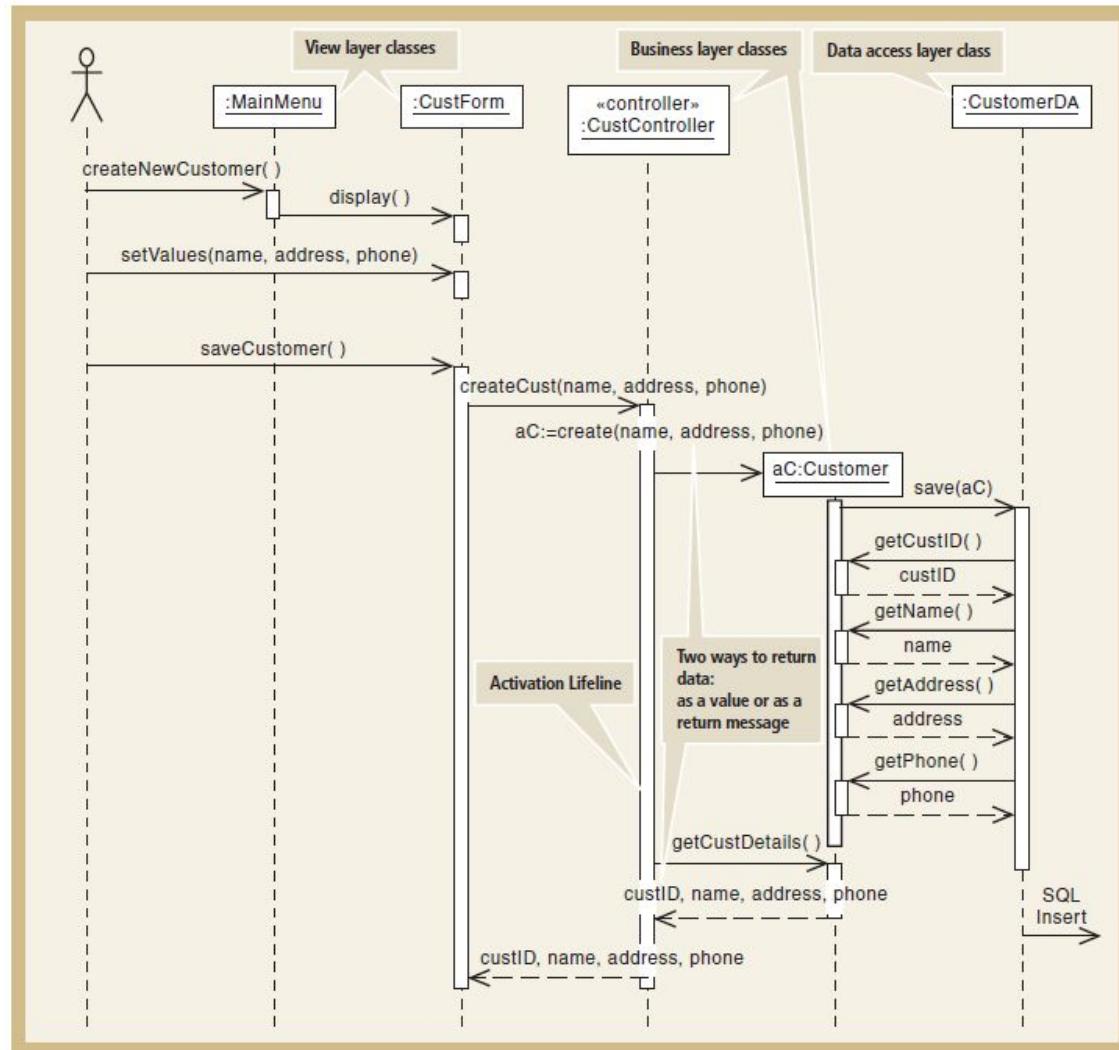
Sequence Diagram

- Difference between System Sequence Diagram and (non-system) Sequence Diagram
  - SSD models the interaction between the actor and the :System object, whereas the latter also shows the interaction between different objects in the systems
  - The exact operation calls, the specific method calls to enable it etc

Sequence Diagram

Create New Customer use case

Visual Paradigm Demo

- Demo