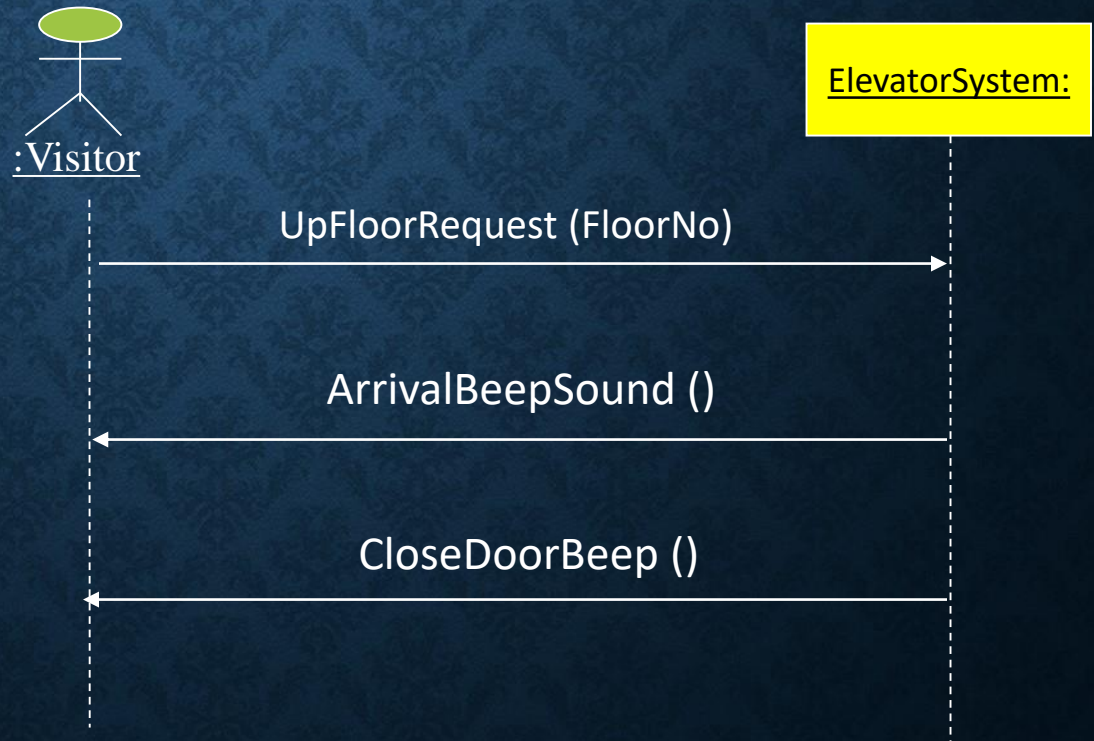# SYSTEM SEQUENCE DIAGRAM

SYSTEM SEQUENCE DIAGRAM

- System sequence diagram illustrates input and output events related to a system

- A system sequence diagram is a picture that shows, for particular scenario of a use case, the events that external actor generates, and their order in a system (Black box)

- Visitor A presses the Up floor button at floor 3 to request an elevator, he wishes to go to floor 7
- The up floor button turned on
- An elevator arrives at floor 3
- The up floor button turn off
- The elevator doors open
- The timer starts
- Visitor A enters the elevator
- The elevators door close after the time out

:Visitor

ElevatorSystem:

UpFloorRequest (FloorNo)

ArrivalBeepSound ()

CloseDoorBeep ()

- Identify the actors that directly interacts with the system

- System Events and Operations
    - System events should be expressed in the terms of level of intent (start with a verb, get, end, make)
    - Avoid physical input medium names

- The terms used in SSD's (Operation, parameters, return data) can be explained in glossary for more explanation

REFERENCES

- Applying UML and Patterns by Craig Larman, Chapter 8 and Chapter 9

- Handouts: "Introduction to UML" (Teacher notes)