

Com S 362

# Object-Oriented Analysis & Design

Spring 2018 – Week 3, Lecture 8

Monday, January 26, 2018

# Product Owner?

- Who is the product owner?
- Why did we interview the product owner?

# One generic use case?

- Each user in a different role or seeking a different goal represents a different use case.
- However, a use case can span multiple scenarios ... but not if the scenarios have different goals.

# Use-Case related definitions

- Scenario: a sequence of steps describing an interaction between a user and a system.
- Use Case: a set of scenarios tied together by a common user goal.
- Actor: a role that a user plays with respect to the system.

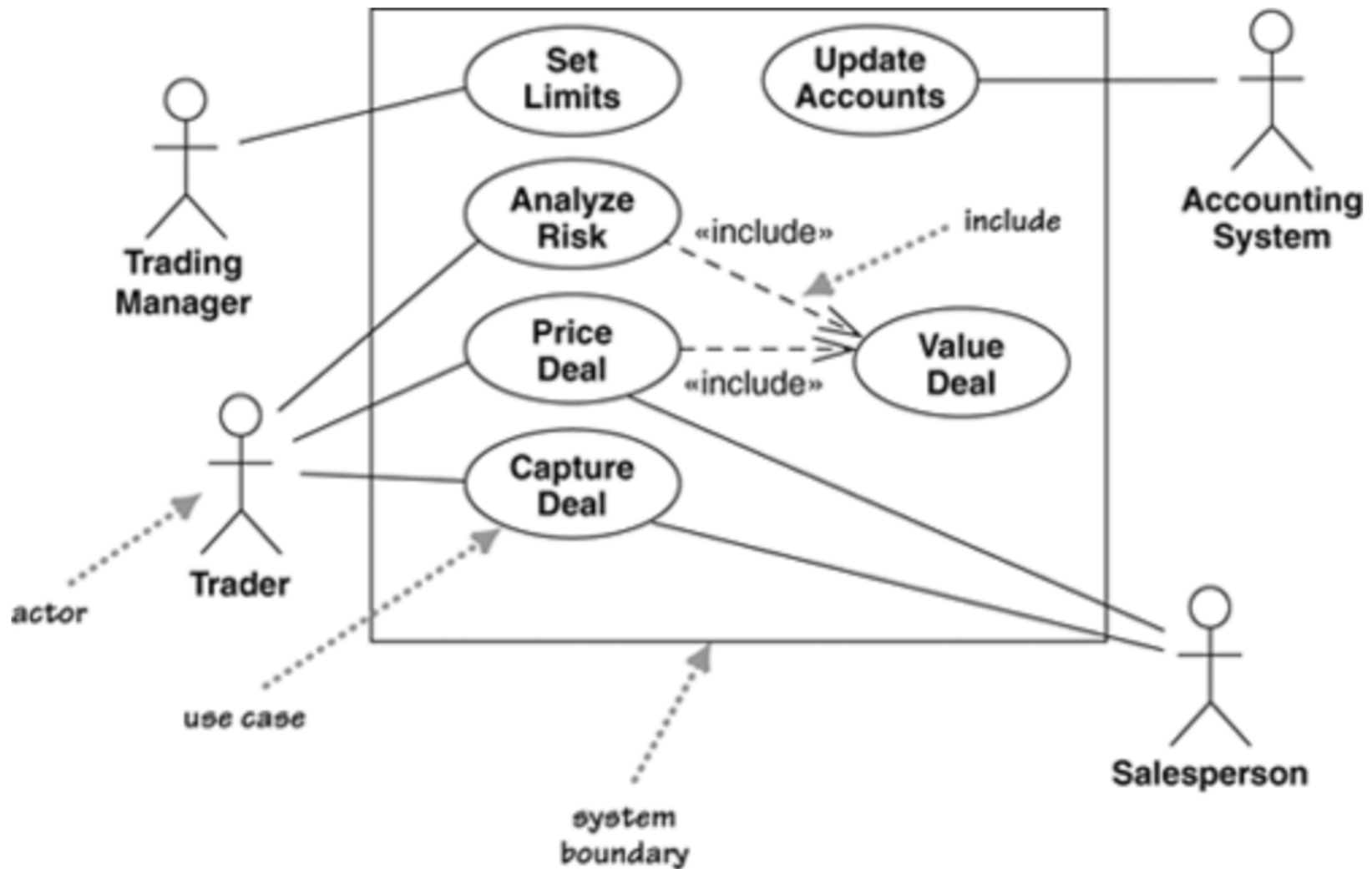


figure from: Fowler, UML Distilled: Third Edition

# Actors and roles

An individual may act in multiple roles. There may be many individuals in the same role.

- Separate roles imply different use case “actors”.
- Same role but different individuals: all one actor.
- Same individual, same role, but different goals: different use cases.
- Actors initiate a use case .... they can be other than people.
- Sometimes looking for triggering events will help identify actors.

# Scenario - Guidelines

- Use active sentences:
  - <responsible party> <action verb> <result/object>

# Scenario

## Buy a Product

Goal Level: Sea Level

Main Success Scenario:

1. Customer browses catalog and selects items to buy
2. Customer goes to check out
3. Customer fills in shipping information (address; next-day or 3-day delivery)
4. System presents full pricing information, including shipping
5. Customer fills in credit card information
6. System authorizes purchase
7. System confirms sale immediately
8. System sends confirming e-mail to customer



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### Extensions:

#### 3a: Customer is regular customer

- .1: System displays current shipping, pricing, and billing information
- .2: Customer may accept or override these defaults, returns to MSS at step 6

#### 6a: System fails to authorize credit purchase

- .1: Customer may reenter credit card information or may cancel