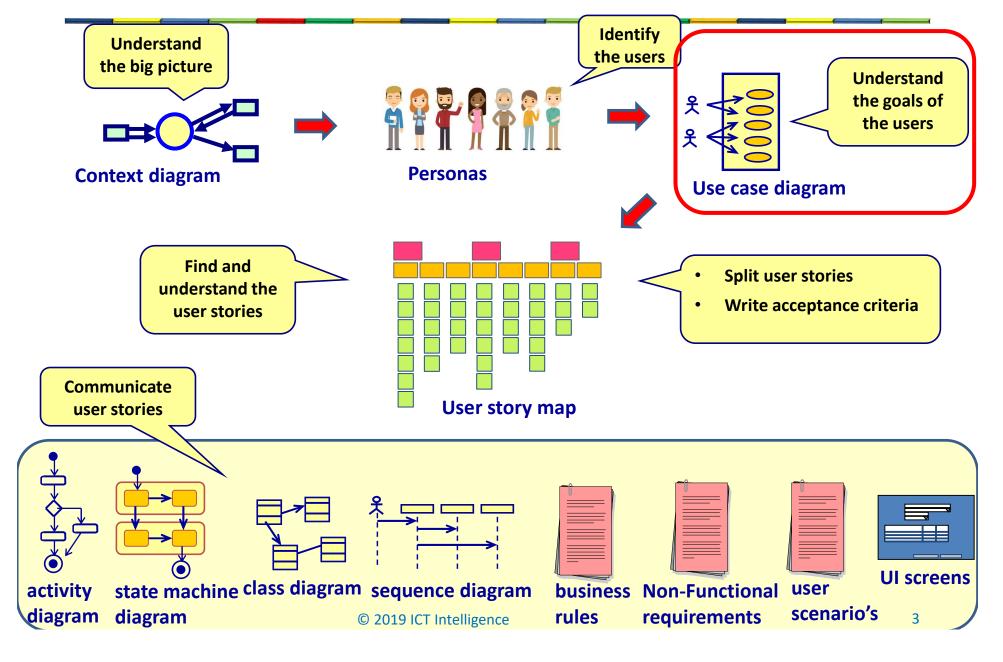
Example case: school

- Student
 - Full time
 - Part time
 - International
 - Scholarship
 - New student
 - Non-first time student
- Staff
- Parent
 - Married parents
 - Single parent
- Teacher
 - Full time
 - Part time

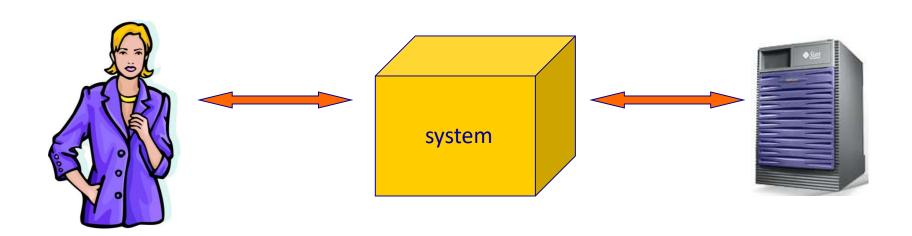
IDENTIFY GOALS: USE CASE DIAGRAM

Agile requirements



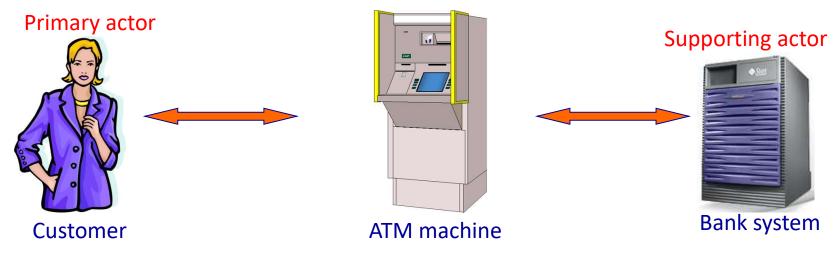
What is a Use Case?

- Use cases describe the sequential interaction between the user and the system to reach a certain goal.
- Use cases describe "what" the system does, not "how".
- The system is seen as a black box, use cases describe the behavior of the black box

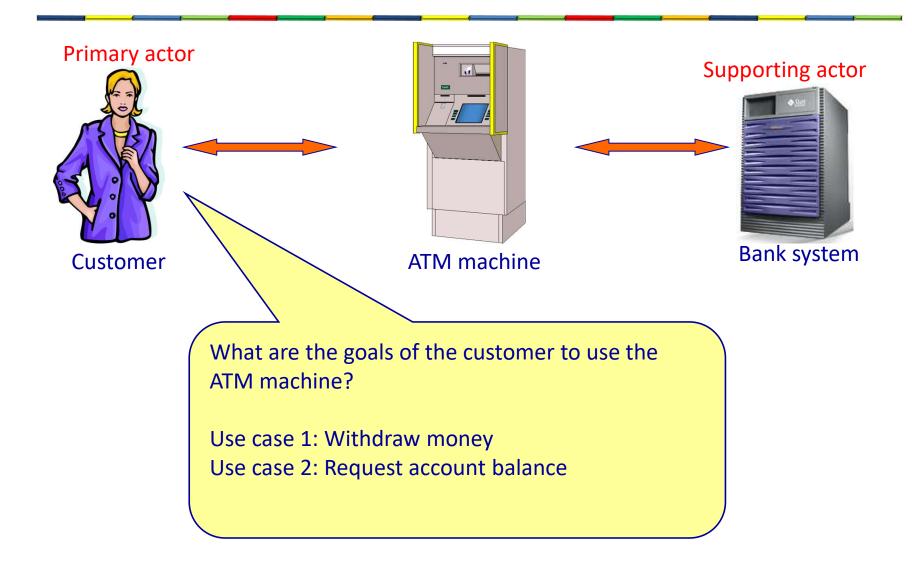


Actors

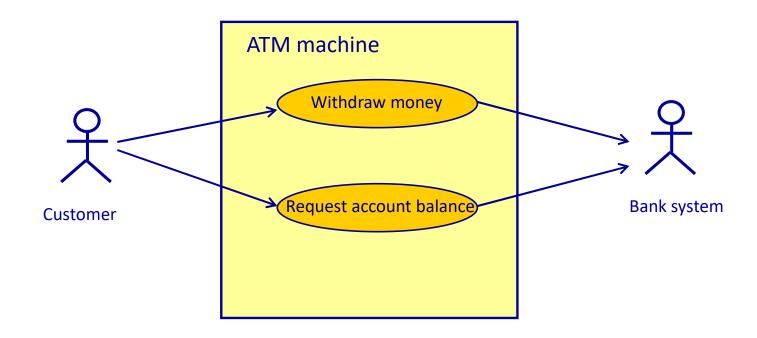
- External entity (human or other system) that uses the system, or is used by the system.
- Is not part of the system.
- Gives information to the system and/or receives information from the system.
 - Primary actor: starts the use case
 - Supporting actor: provides a service to the use case



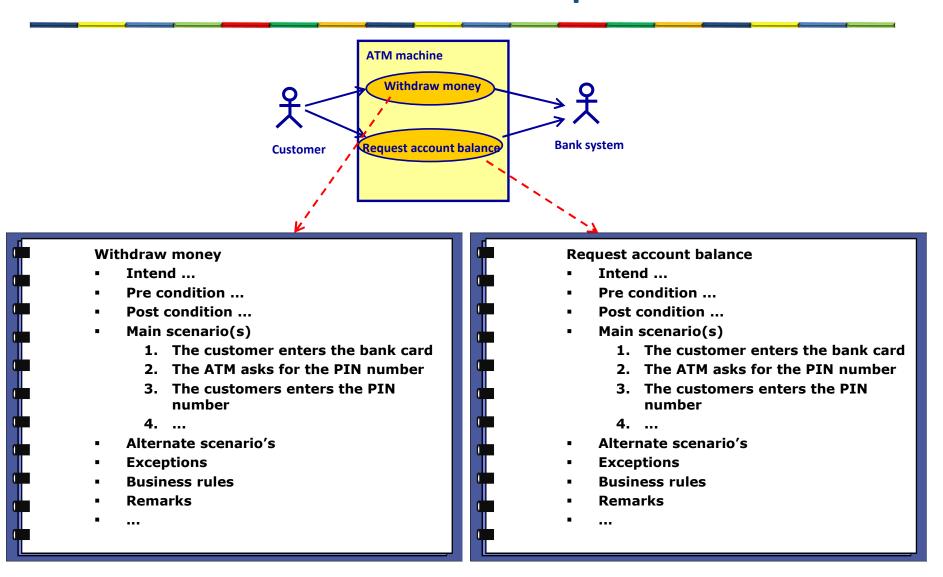
Use cases



UML use case diagram



Use case descriptions

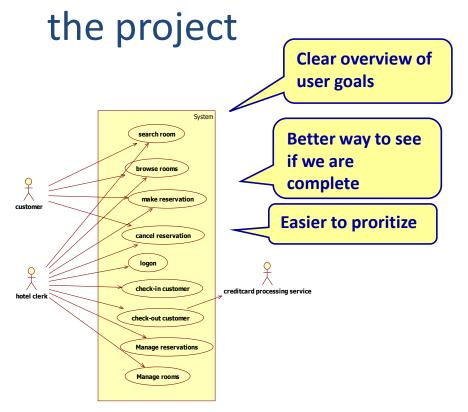


Finding the right use cases

- A use case delivers a goal for the actor.
- A use case is atomic.
 - It has a beginning and an end.
 - When the use case is finished, you can go and drink a cup of coffee.

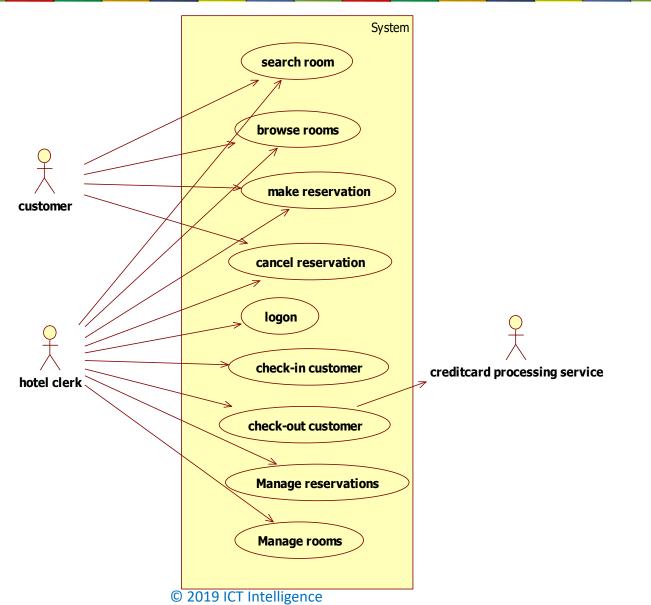
Why use cases in an agile project?

Use cases show clearly the high level view of



The user can logon
The user view all its reservations
The user can view reservation details
The user can add a reservation
The user can cancel a reservation
The user can browse rooms by price
The user can browse rooms by roomtype
The user can browse rooms by availability
The user can view room details
The user can search rooms
The clerck can check-in customers with reservation
The clerck can check-in customers without reservation
The clerck can check-out customers
The clerck can process a creditcard payment
The clerck can process a cash payment
The clerck can process a check payment

Hotel reservation system use case diagram



Give actors a good name

- The name of the actor should be the role of that person
- The name should be as specific as possible

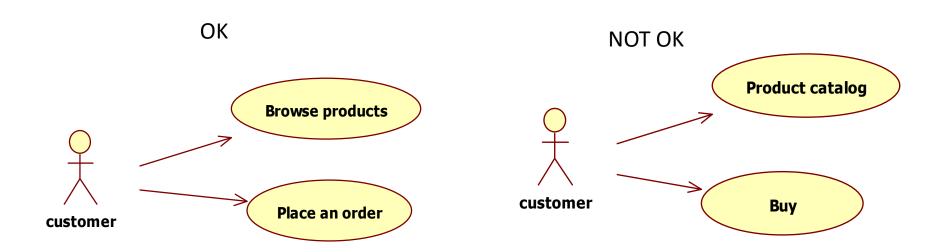
Order system



mainframe

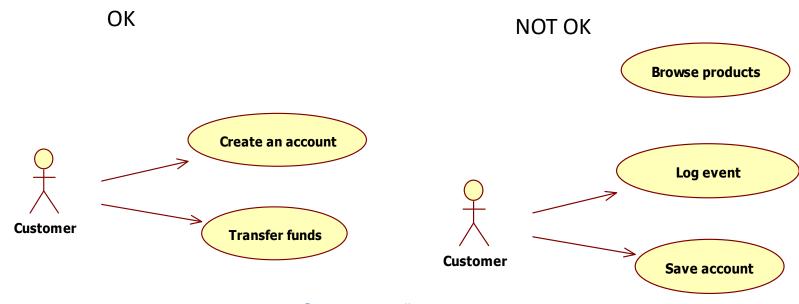
Give use cases a good name

- Should specify the goal the actor wants to accomplish
- Should be simple
- Should be short (max 5 words)
- Contains a verb

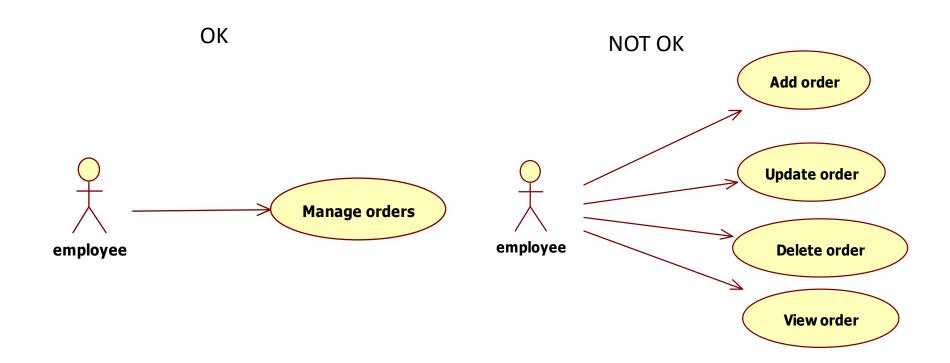


The result of a use cases is visible

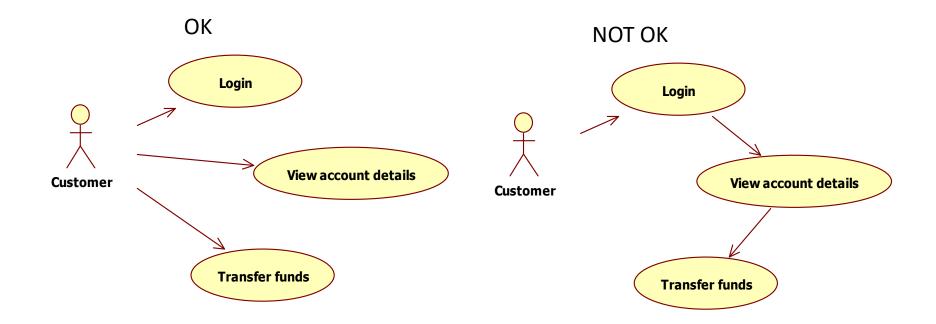
- Every use case has an actor (with the exception of <<include>> and <<extend>> use cases)
- Use cases describe the interaction between the actor and the systeem
- Use cases don't describe internal actions
- Use cases describe requirements, not design or implementation



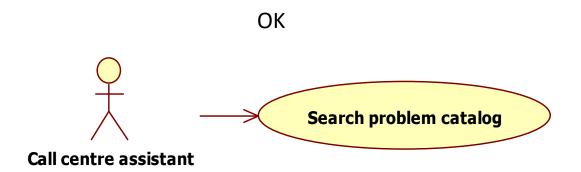
No CRUD use cases

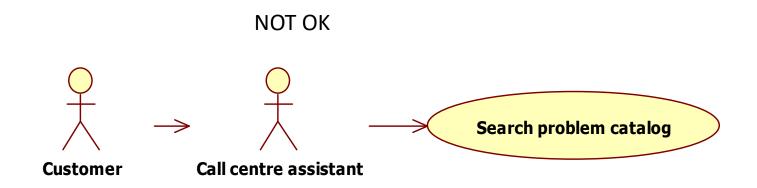


Do not model use case order



Do not model actor-actor relations





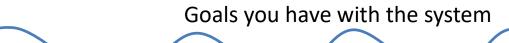
Use cases should be on the same level



High level goals









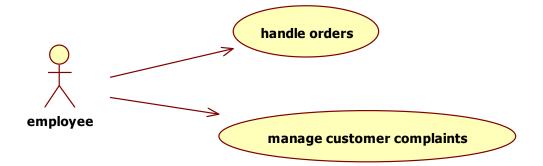
Low level actions



Too high level use cases

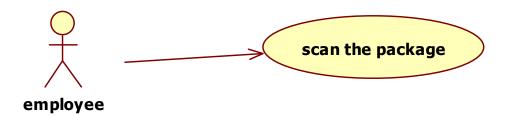






Too low level use cases





Correct use cases

Goals the actor has with the system

