

SSTC 2022 Module 4 – Lecture 1

Dr. Salvatore Flavio Pileggi

<u>SalvatoreFlavio.Pileggi@uts.edu.au</u> <u>https://www.uts.edu.au/staff/salvatoreflavio.pileggi</u>

School of Computer Science, Faculty of Engineering and IT University of Technology Sydney (Australia)





- UC Diagram
- UC Engineering (from User Stories)

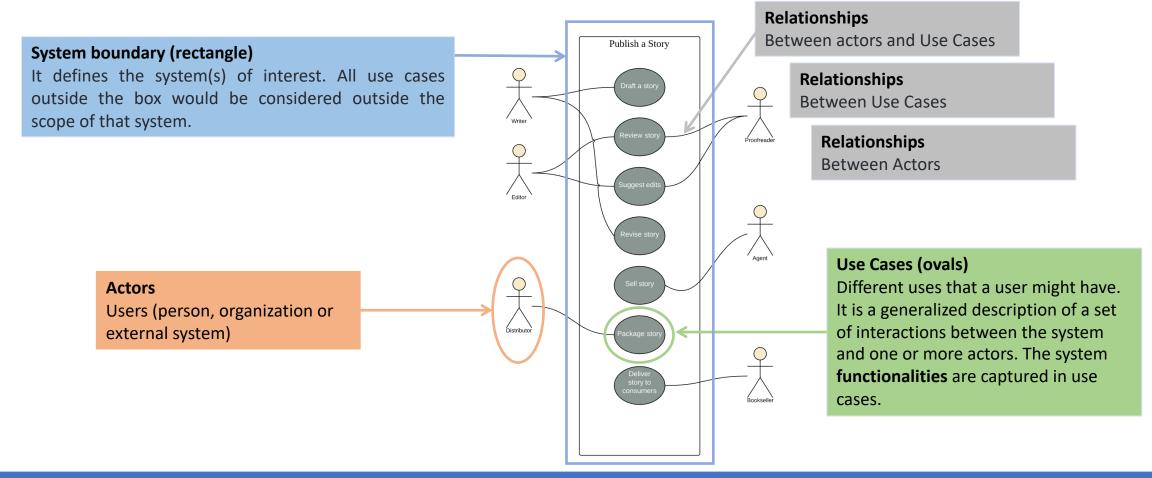


Why?

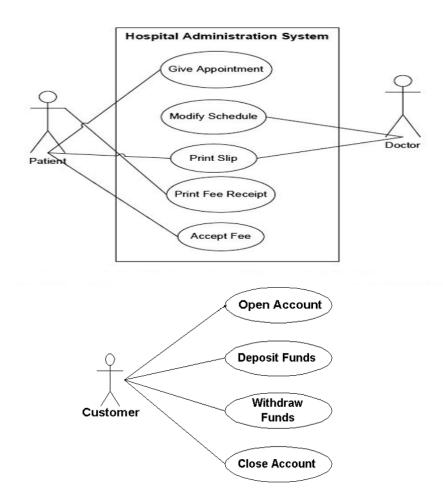
- A use case diagram aims to describe the details of users (or "actors") and their interactions with the system
- For a given system, Use Case diagrams can contribute to model:
 - Scenarios
 - Goals
 - Scope
- Use Case diagrams are normally not detailed; they rather express high-level overview and abstractions

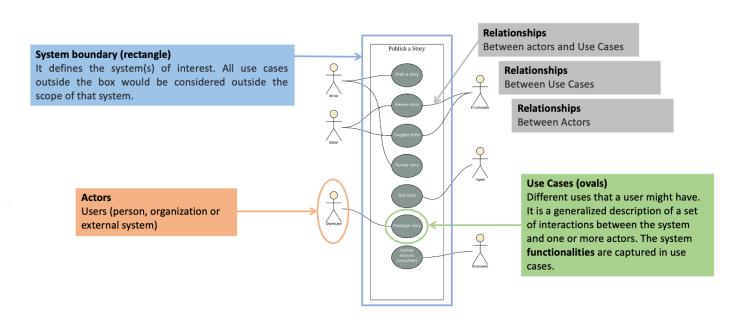
Building blocks, symbols and notations

In UML, a Use Case diagram may include different building blocks

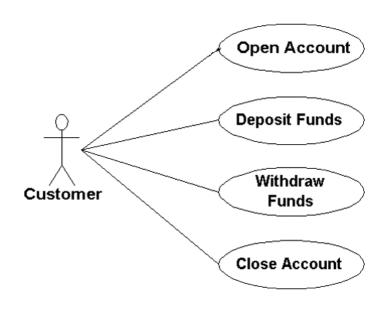


Simple examples

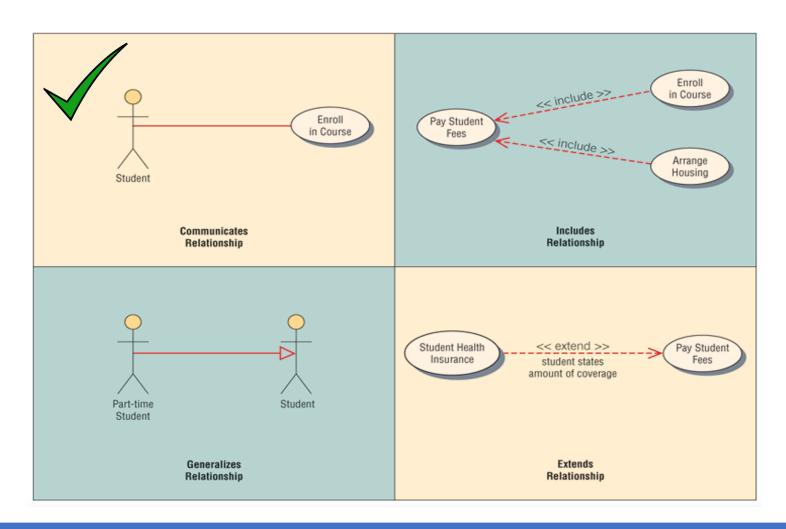




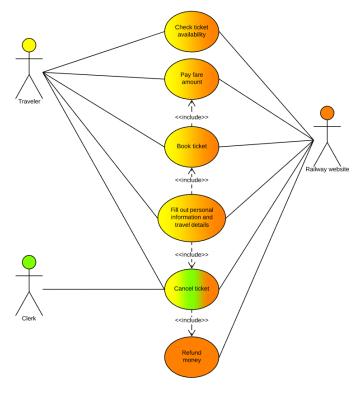
Relationships



Intuitive association between an actor and a use case

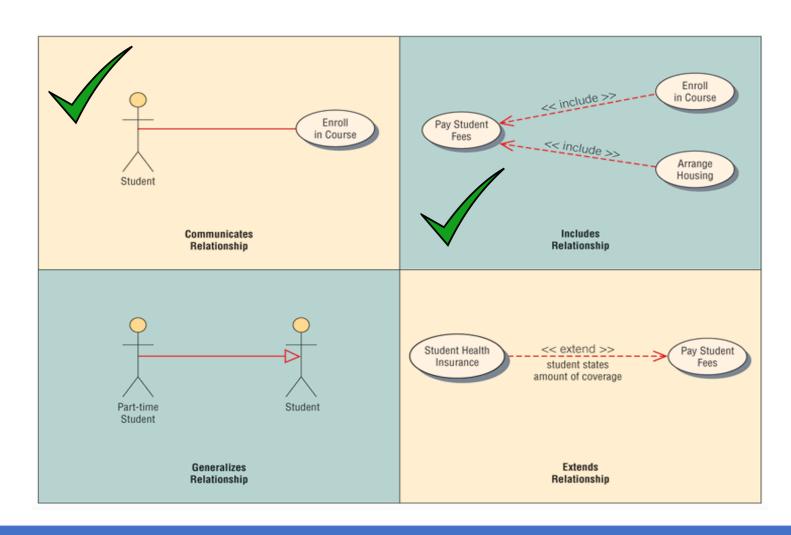


Relationships

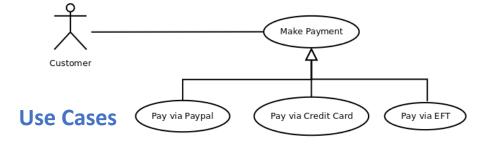


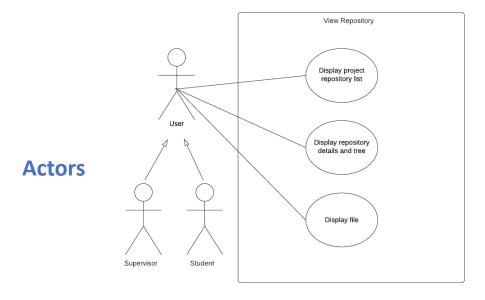
https://www.lucidchart.com/pages/uml-use-case-diagram

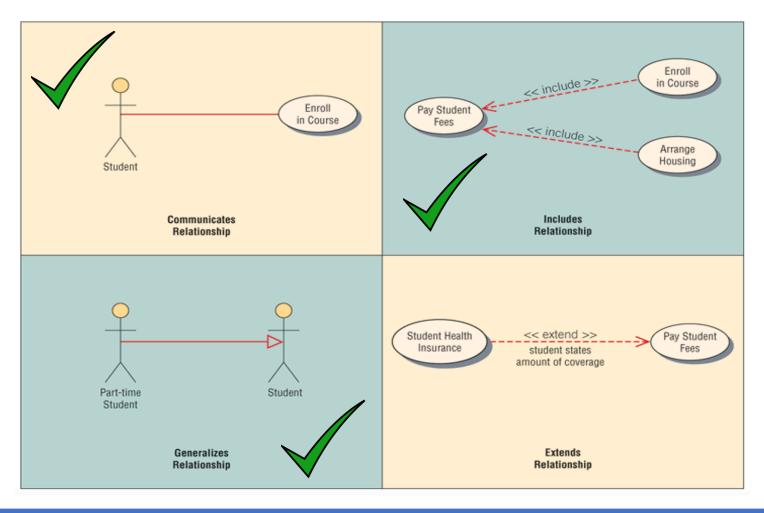
It's an association between two use cases.
The included use case describes a **lower-level** goal than the base use case



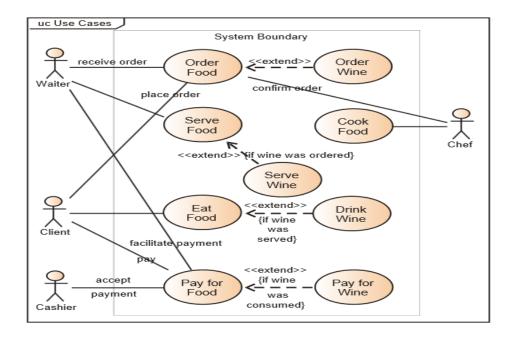
Relationships





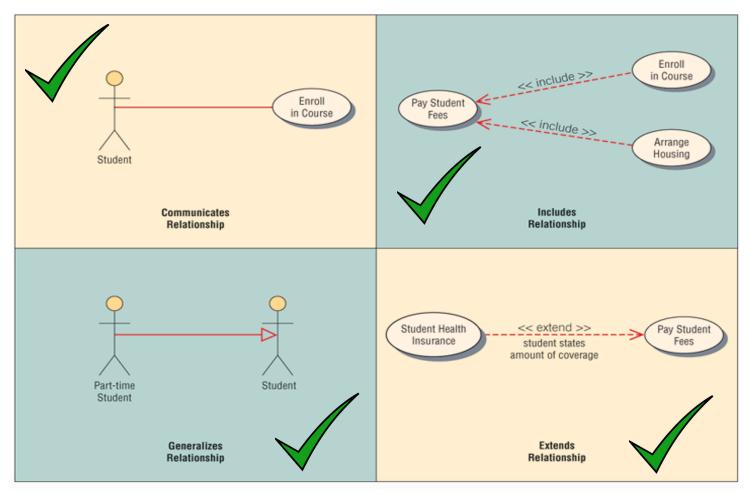


Relationships



It's an association between two use cases. It allows to define more complex behaviors.

The extending use case specifies some internal condition in the base use case and a triggering condition.



UC Engineering

From User Stories

