

Low level models



SoftEng
<http://softeng.polito.it>

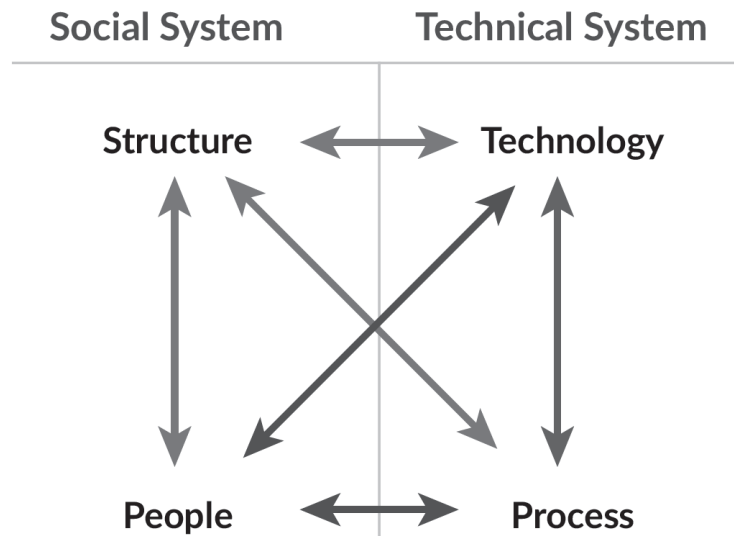
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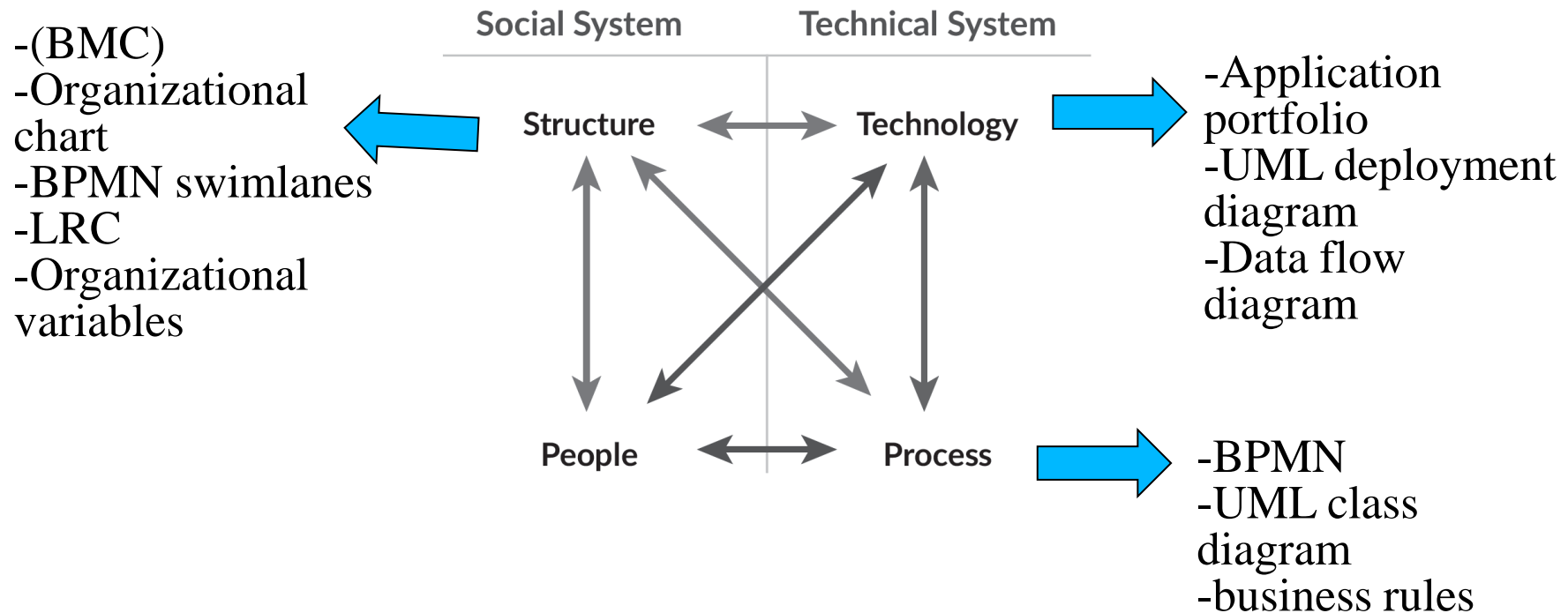
Model types

- High level
 - ◆ Scope: (families of) organizations
- Low level
 - ◆ Scope: specific organization, specific process

Model dimensions



Model dimensions + models

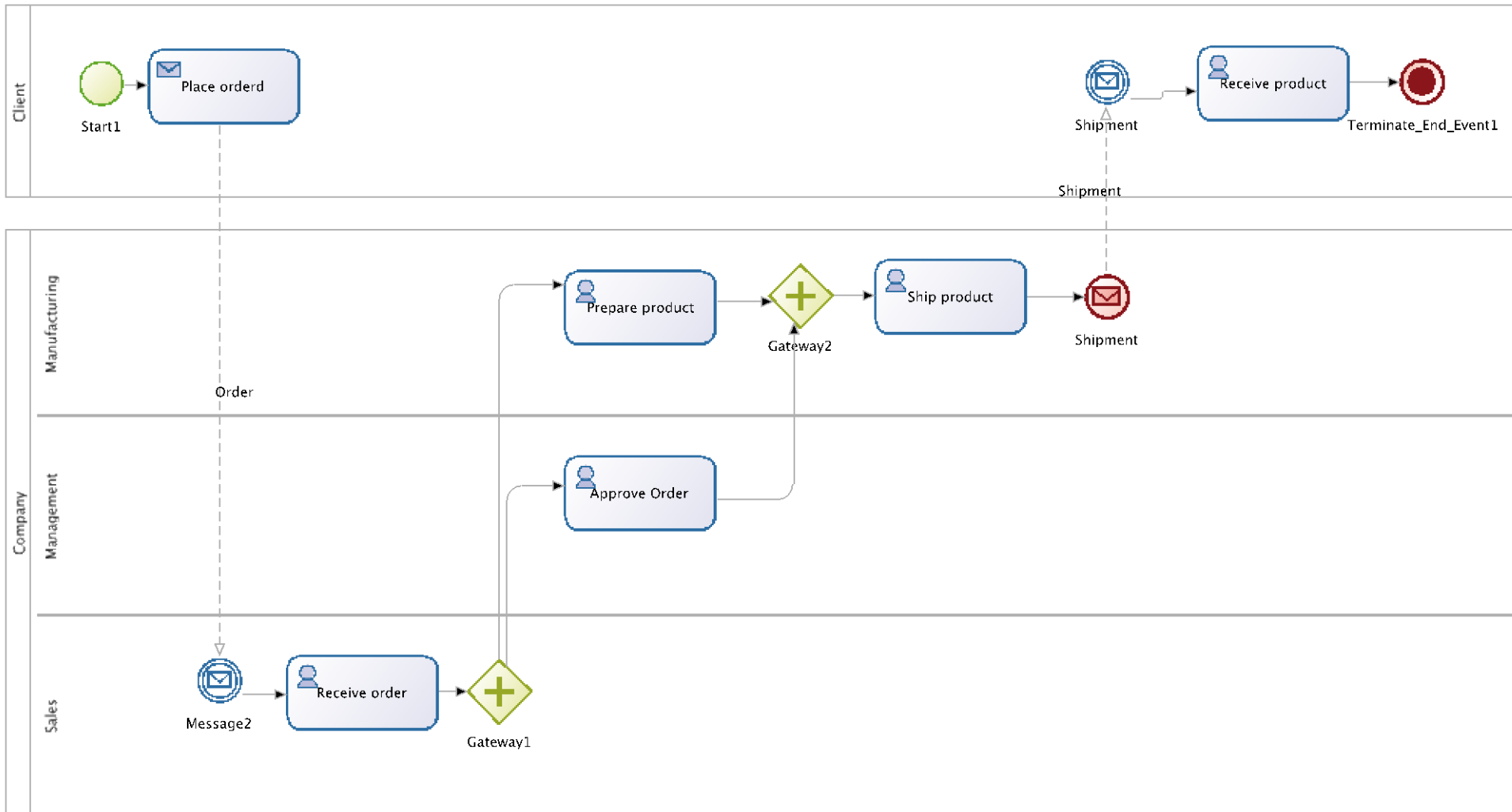


Structure

Organizational chart



Swimlanes (in BPMN)



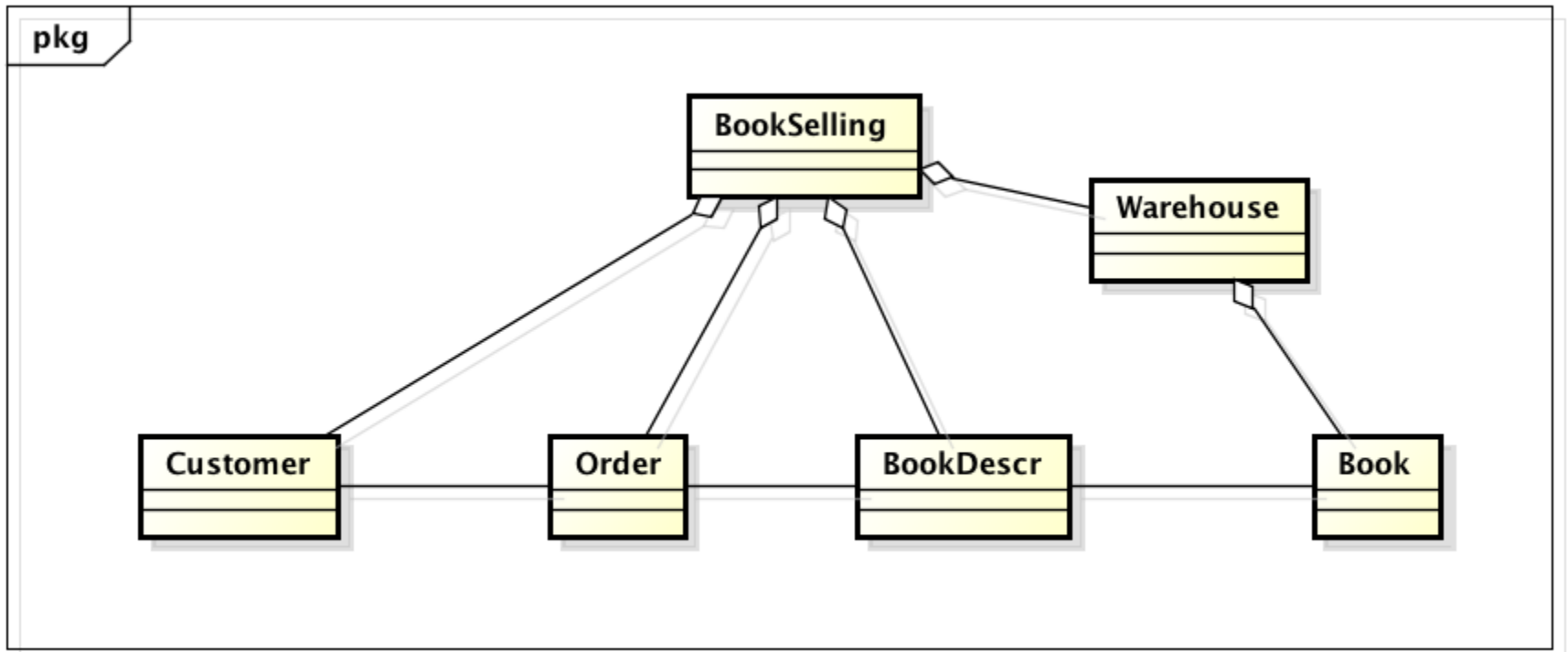
Linear Responsibility Chart (LRC)

Processes (samples)	Organization's Structures							External Actors	
	Purchase	Design	Production	Sales	Admin.	Human Resources	Information Systems	Supplier	Customer
Management Report Production	C	C	C	C	P	C	C		
Customer Order Processing			P	P					C
Procurement	P		P					P	

P=Participant C=Client

Process

UML class diagram

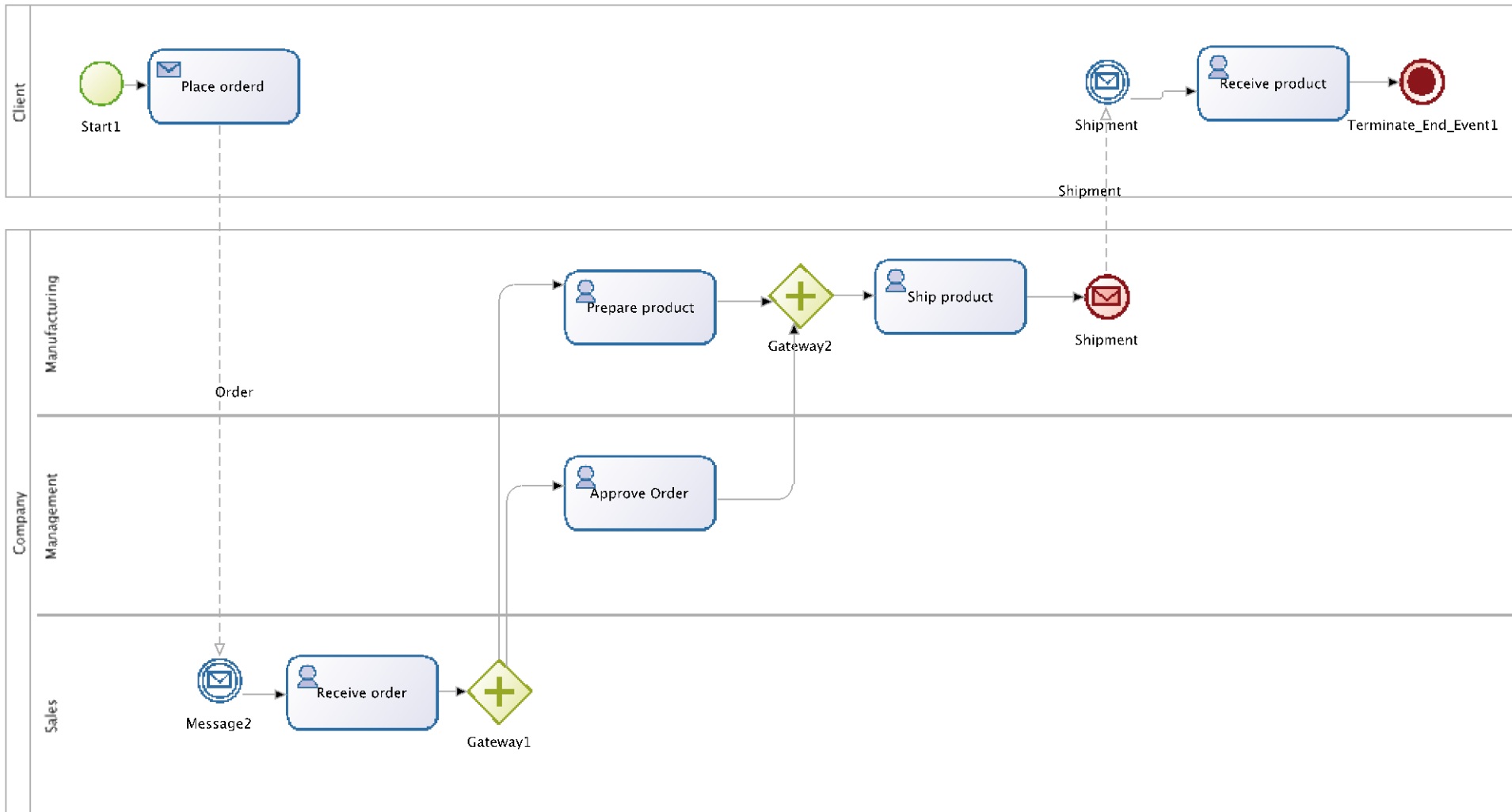


Process

Tables

Process name	Input	Output	Organizational roles involved	Description
Order management	order	Product shipped	Sales, manufacturing, accounting	Sales department receives an order by a client, sends it to accounting to verify if customer reliable, manufacturing prepares the product and ships it

BPMN

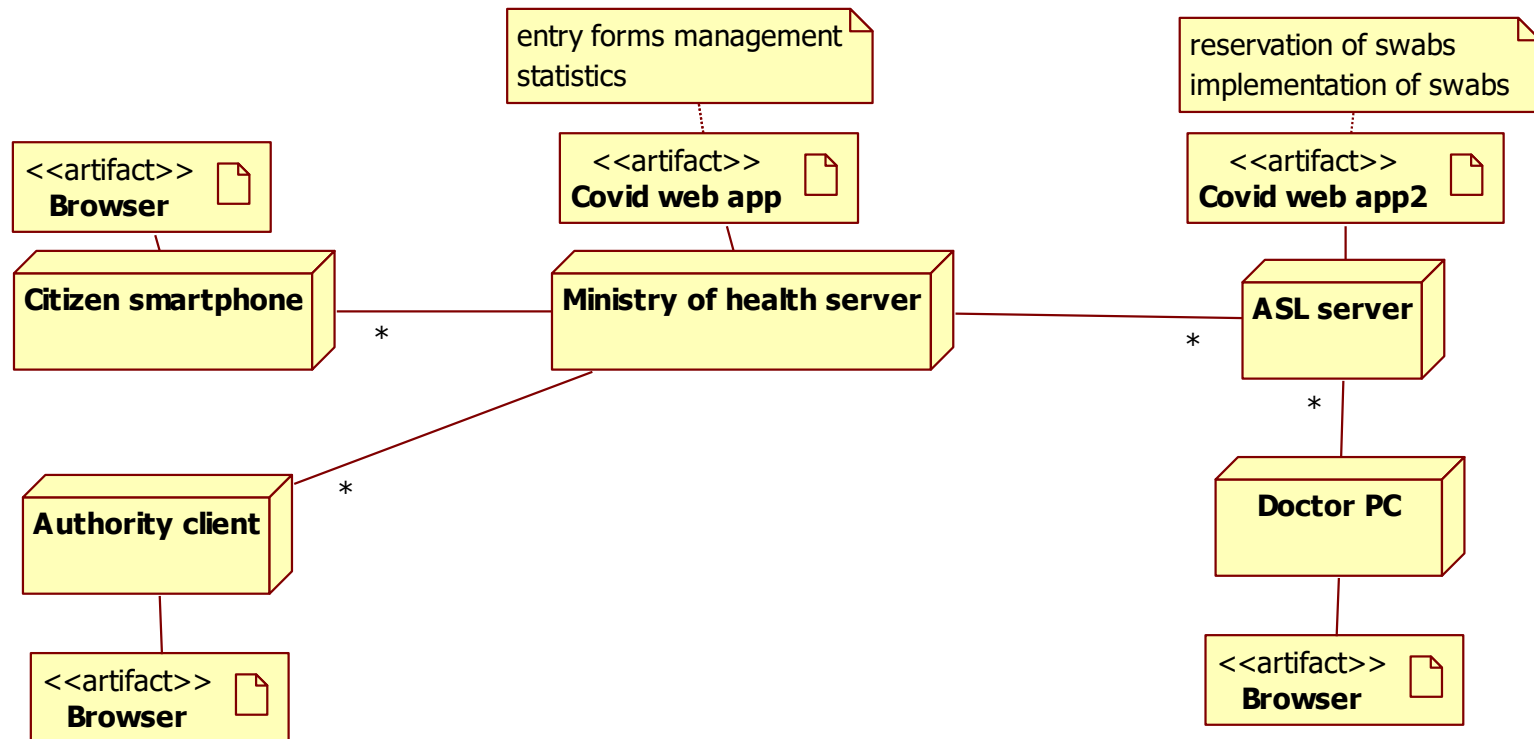


Business rule

- Ex.
- All payments within 30 days since invoice acceptance
- All money transactions in Euros

Technology

Deployment diagram



Application portfolio

- List of applications used (also appearing as artifacts in deployment diagram)