

Product(id,name,category,price)
 $dom(id) = \mathbb{N}$
 $dom(name) = String$
 $dom(category) = String$
 $dom(price) = \mathbb{Q}$

SalesOrder(id,date,deliveryDate)
 $dom(id) = \mathbb{N}$
 $dom(date) = Date$
 $dom(deliveryDate) = Date$

 $item\mathcal{R}(salesOrder,Product)$

Employee(id,name,surname,gender)
 $dom(id) = \mathbb{N}$
 $dom(name) = String$
 $dom(surname) = String$
 $dom(gender) = Boolean$

Vendor(id,name,surname,gender)
Vendor<:Employee

 $processes\mathcal{R}(vendor,salesOrder)$

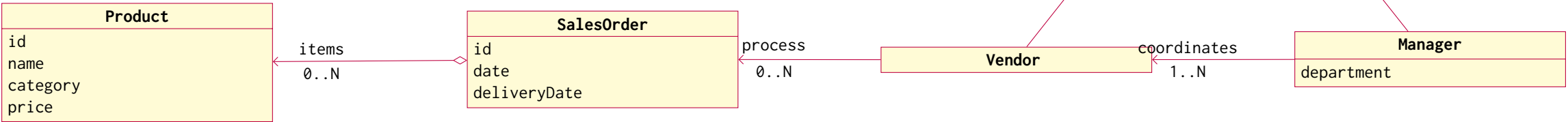
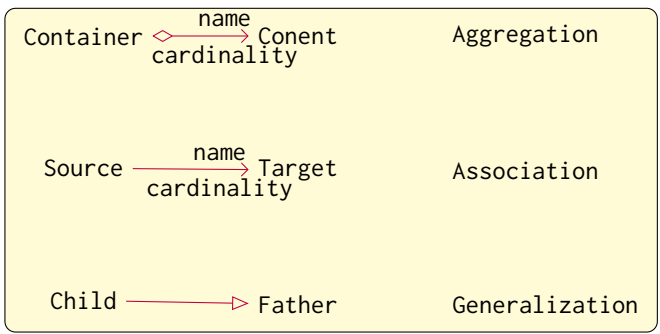
Manager(id,name,surname,gender,department)
Manager<:Employee
 $dom(department) = String$
 $coordinates\mathcal{R}(manager,vendor)$

MetaModel

Model



Legend



UML Model