Projeto BD - Entrega 2 (Modelo Relacional)

Order(order\_no, cust\_no, date)

Cust\_no: FK(Customer) NOT NULL

Customer(cust\_no, name, email, phone, address)

UNIQUE(email)

~~places(order\_no, cust\_no)~~

~~order\_no: FK(Order)~~

~~cust\_no: FK(Customer) NOT NULL~~

Sale(order\_no)

order\_no: FK(Order)

pay(order\_no, cust\_no)

order\_no: FK(Sale)

cust\_no: FK(Customer)

Employee(ssn, TIN, bdate, name)

UNIQUE(TIN)

process(ssn, order\_no)

ssn: FK(Employee)

order\_no: FK(Order)

Department(name)

Workplace(address, lat, long)

UNIQUE(lat, long)

works(ssn, name, address) # Verificar as duas linhas

ssn: FK(Employee)

name: FK(Department)

address: FK(Workplace)

Office(address)

address: FK(Workplace)

Warehouse(address)

address: FK(Workplace)

Product(sku, name, description, price, ean)

(price > 0)

contains(order\_no, sku, qty)

order\_no: FK(Order)

sku: FK(Product)

(qty > 0)

Supplier(TIN, name, address, sku, date)

sku: FK(Product) NOT NULL

~~supply-contract(TIN, sku, date) # Como fazer duas linhas e setas?~~

~~TIN: FK(Supplier) ?????UNIQUE?????~~

~~sku: FK(Product)~~

delivery(TIN, sku, address)

TIN, sku: FK(~~supply-contract~~Supplier)

address: FK(Warehouse)

## Restrições de Integridade

IC-1: Any element order\_no referenced in pay must have the same cust\_no in both relations pay and ~~places~~ Order (this Restriction is the equivalent of the IC-1 restriction in the Entity-Relationship diagram)

IC-2: Any order\_no from entity “Order” must be referenced in relation “contains”

IC-3: bdate must be earlier than the current date

(O que acham de colocar as restrições seguintes?)

IC-4: Any sku from entity “Product” must be referenced in ~~relation “supply-contract”~~entity “Supplier”

~~IC-5: Any TIN from entity “Supplier” must be referenced once(ver UNIQUE acima) in relation “supply-contract”~~

IC-6: Any ssn from entity “Employee” must be referenced in relation “works”

(Será que faltam restrições?)