

# Reverse Engineering

Example

# Reverse Engineering of Relational Model

## What is the corresponding ER Model?

Question: Any inherent assumptions? Business rules.

Draw the corresponding ER model (Chen notation or Crow's Feet notation)

You do not need to list the attributes of the entities.

Customer: [CustomerID, Name, Address, City, Phone]

Salesperson: [EmployeeID, Name, Commission, Datehired]

SaleOrder: [OrderID, OrderDate, CustomerID, EmployeeID]

SaleOrderItem: [OrderID, ItemID, Quantity, SalePrice]

Item: [ItemID, Description, ListPrice]

## Entity Relationship Model

Customer: [CustomerID, Name, Address, City, Phone]

Salesperson: [EmployeeID, Name, Commission, Datehired]

SaleOrder: [OrderID, OrderDate, CustomerID, EmployeeID]

SaleOrderItem: [OrderID, ItemID, Quantity, SalePrice]

Item: [ItemID, Description, ListPrice]

Assumptions?  
Business rules?

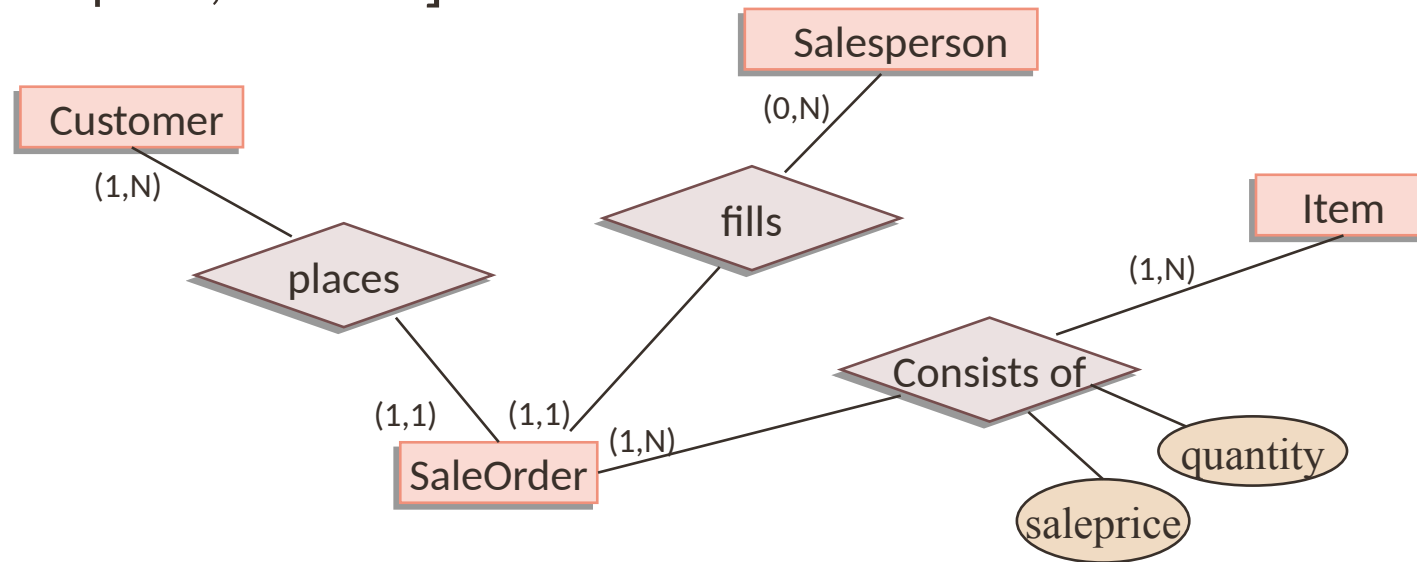
Entities:

Customer

Salesperson

SaleOrder

Item



## Entity Relationship Model (via Reverse Engineering)

