

Database Systems

Homework 3

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Leslie's Auto Sales

Ternary Relationship:

- **salesperson** : one Salesperson can have zero, one, or many Sales;
- **customer** : one Customer can have zero, one, or many Sales;
- **automobile** : one Automobile can have zero, one or many Sales;
- **automobile** : one Automobile can have zero, one or many Sales;
- **sale** : one Sale have one Salesperson, Customer, and Automobile.

Attribute Name	Attribute Description
salespersonID	Salesperson Number (Unique)
salespersonName	Salesperson Name
salespersonPhone	Salesperson Telephone
salespersonYWC	Salesperson Years With Company

Table 1: Salesperson Relation

Attribute Name	Attribute Description
customerID	Customer Number (Unique)
customerName	Customer Name
customerAddress	Customer Address

Table 2: Customer Relation

Attribute Name	Attribute Description
automobileID	Vehicle Identification Number (Unique)
automobileManufacturer	Vehicle Manufacturer
automobileModel	Vehicle Model
automobileYear	Vehicle Year
automobilePrice	Vehicle Sticker Price

Table 3: Automobile Relation

Attribute Name	Attribute Description
saleID	Sale Number (Unique)
FK_customerID	Customer Number (Unique)
FK_salespersonID	Salesperson Number (Unique)
FK_automobileID	Vehicle Identification Number (Unique)
saleDate	Date of the Sale
saleNegotiatedPrice	Real Price of the Sale

Table 4: Sale Relation