

Database Systems

Homework 3

Jonathan Henrique Maia de Moraes (ID: 1620855)

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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;
- **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

The sale relation describe the interaction of automobile, customer, and salesperson. The value of last purchase of the customer at Leslie's can be discovered by tracking the sale's row which have the most recent date of sale from that customer.