RELATIONAL DATABASE SCHEMA

CAR SALE

PK	SaleID
PK, FK	CustomerID
	Price
	Date
FK	CarID

CARS FOR SALE

PK, FK	CarID
	Price
	Kilometres
FK	PurchaseID

CARS

PK	CarID
	PlateNumber
	Province
	Colour
	Year
	Make
	Model
	Type

CAR PURCHASE

PK	PurchaseID
PK, FK	CustomerID
	Price
	Date
FK	CarID

TRANSACTIONS

PK	TransactionID
PK, FK	CustomerID
	Charge
	Date
FK	CarID

CUSTOMERS

PK	CustomerID
	FirstName
	LastName
	Address
	PhoneCell
	PhoneOther

PARTS

PK	PartID
	Price
	Description

ORDER PARTS

PK, FK	PartID
PK, FK	OrderID
	Quantity

ORDERS

PK	OrderID
PK, FK	SupplierID
	Date

SUPPLIERS

PK	SupplierID
	Name
	Email

SUPPLIER PHONES

PK, FK	SupplierID
PK	PhoneNumber

MONTHLY EXPENSES

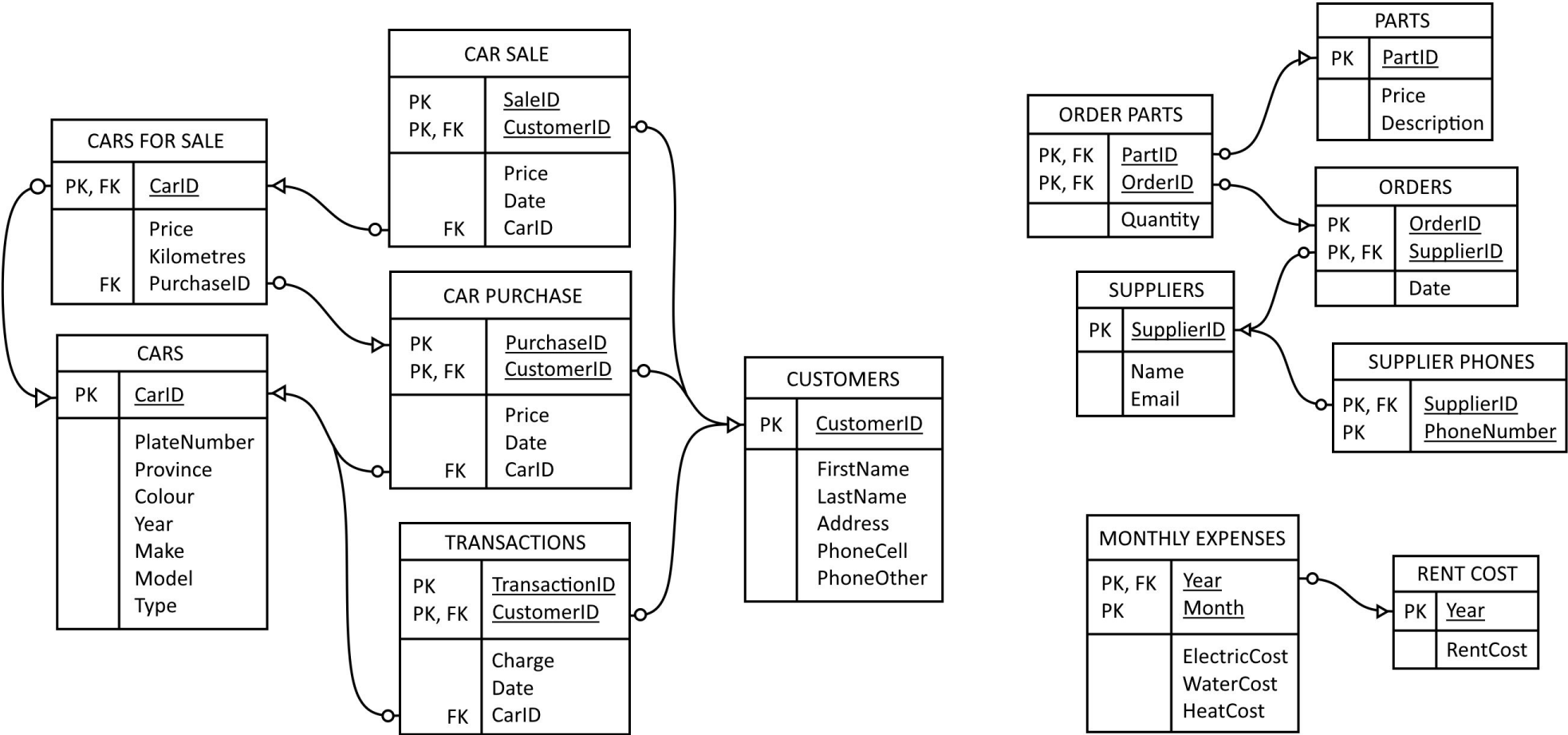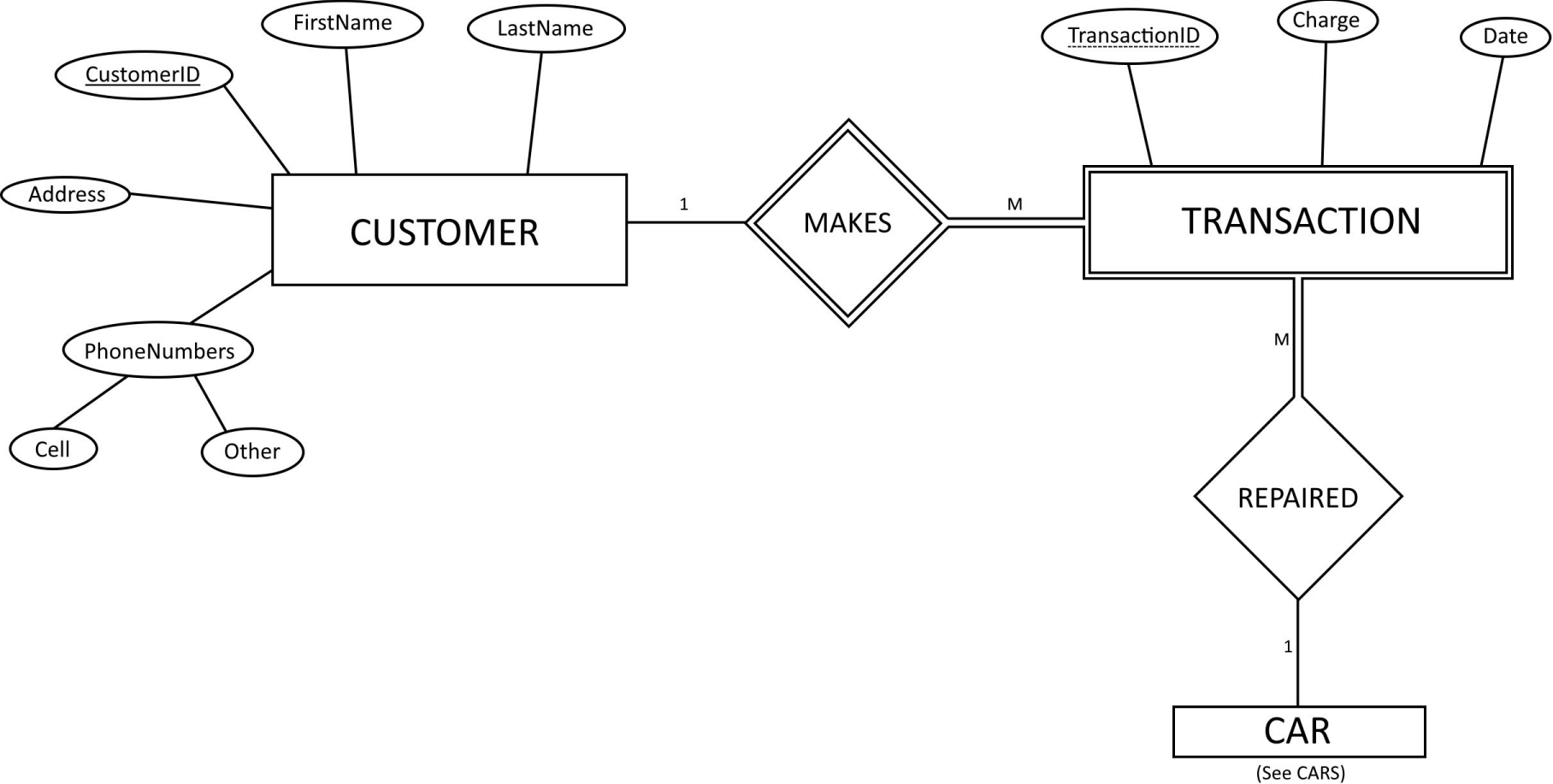|	
PK, FK	Year
PK	Month
	ElectricCost
	WaterCost
	HeatCost

RENT COST

PK	Year
	RentCost

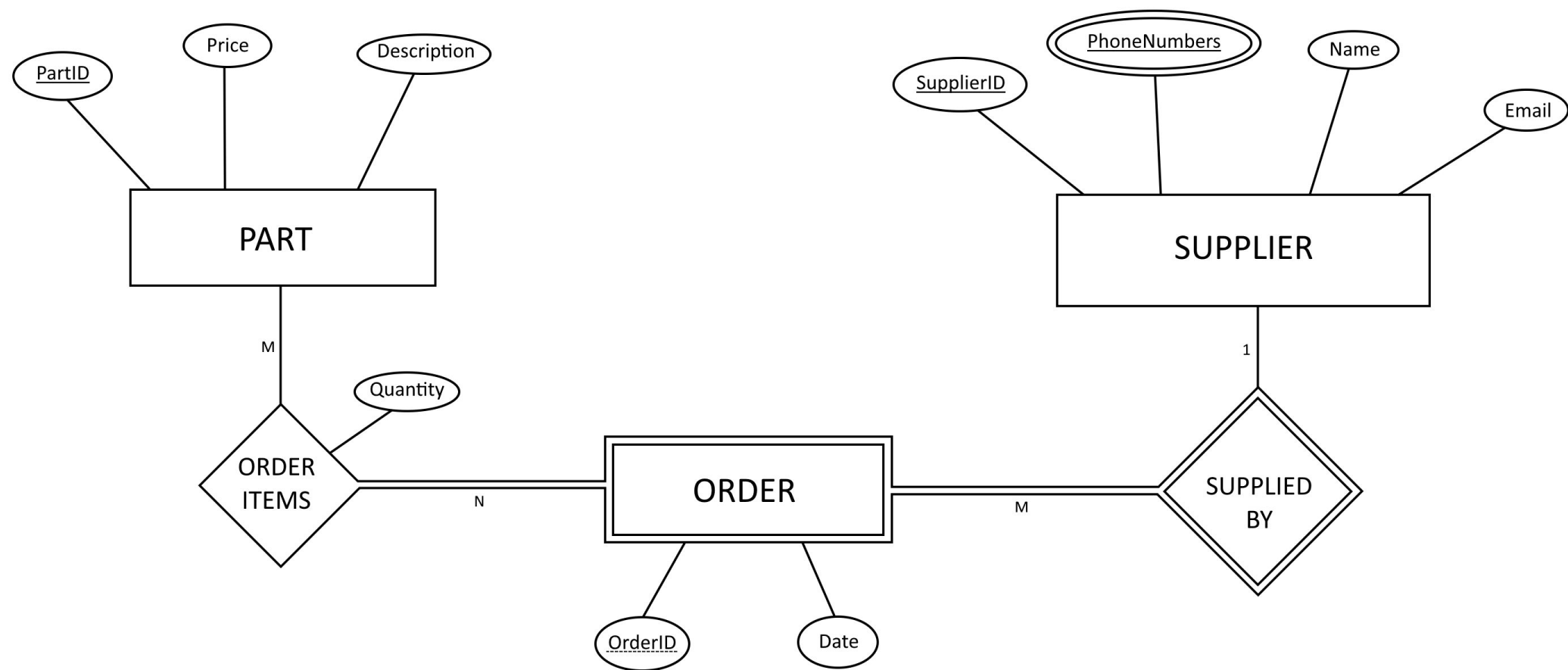** PK: Primary Key, FK: Foreign Key

CUSTOMERS and TRANSACTIONS

For each customer, the following information is required: a unique customer id, first name, last name, address, two phone numbers (cell and other), and a list of possible transactions. A transaction is recorded when a customer takes their car to MUC for repair. For each transaction, the following information needs to be stored: a unique transaction number, amount the customer was charged, the date of the transaction, and the car that was repaired.
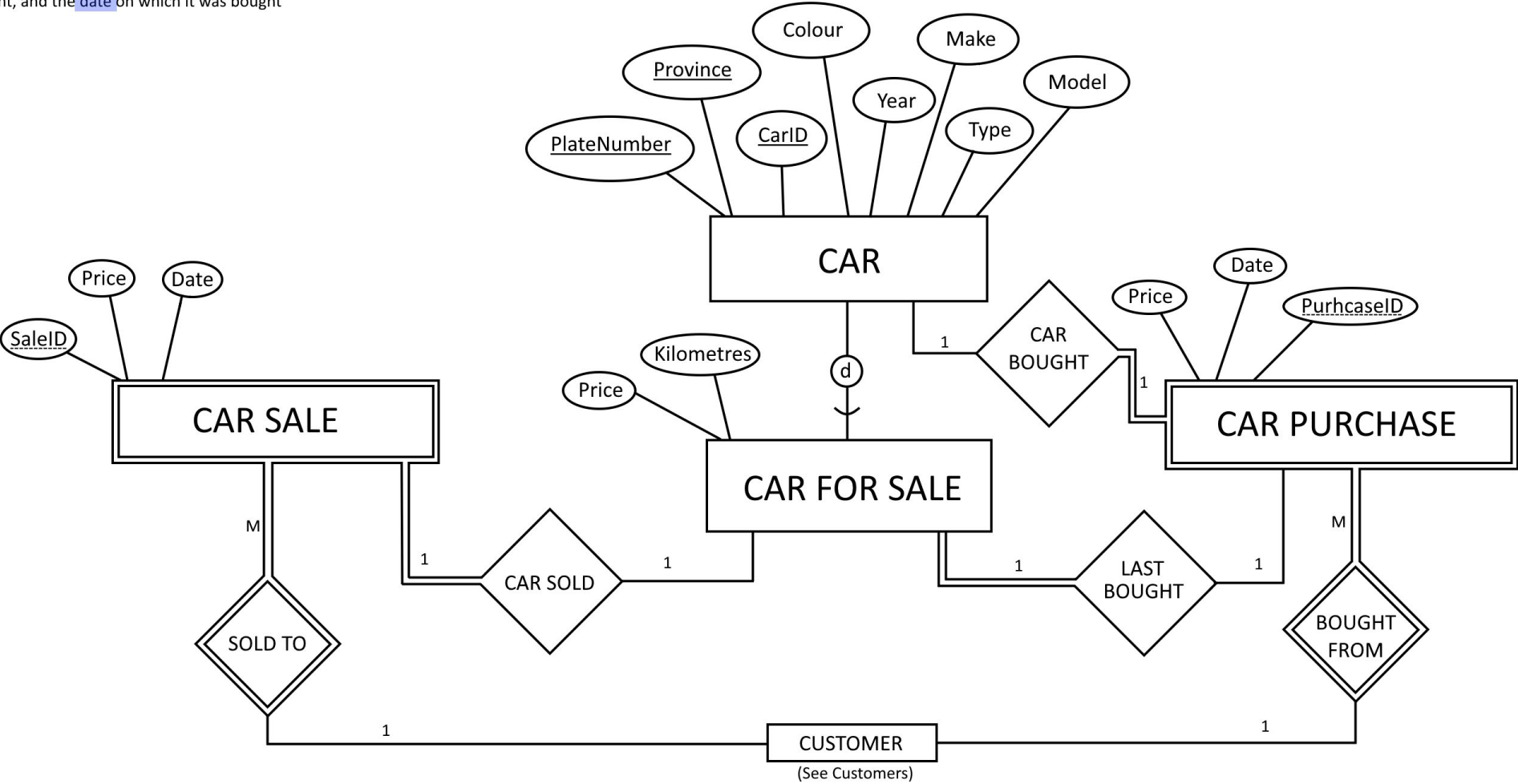
PARTS, SUPPLIERS, and ORDERS

MUC wants to keep information about parts, suppliers, and orders. Each part has a unique part id, a price, and a description. For each supplier, the id, name, email address, and list of telephone numbers are required. The id's of suppliers are unique. Suppliers have no telephone numbers in common. For each order, the following information is needed: a unique order id, date, supplier id, and a list of parts together with their quantities.

CARS, CARS FOR SALE, CAR SALES, and CAR PURCHASES

For each car, the following data need to be stored: a unique id number, plate number, province, color, make, model, year of manufacture, and type (e.g., sedan, van, etc.). Each car has a unique combination of values for plate number and province. Some of the cars are owned by MUC and are listed for sale to customers. For each of those cars, the following information is required: listed price, kilometers, the customer from whom the car was last bought, the price it was bought for, and the date on which it was bought. For each car sale, the following information is required: the car sold; the customer to whom the car was sold, the amount of money for which it was sold, and on what date; the customer from whom the car was last bought, the amount of money for which it was bought, and the date on which it was bought

MONTHLY EXPENSES and RENT COST

MUC wants to keep track of the following monthly expenses: cost of electricity, heat, water, and the rent. The rent is fixed within the same year.

INCLUDES

M   1

MONTHLY EXPENSES — Year, Month, ElectricCost, WaterCost, HeatCost

RENT COST — Year, RentCost

**RENT COST should not contain the Month key, only the Year key.