Car Dealer management system - ER-Diagram to Relational Model

Date : 17-10-2023 Course : MC212 DBMS

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Objective : To convert the ER Diagram created for the project in the previous lab to a relational model

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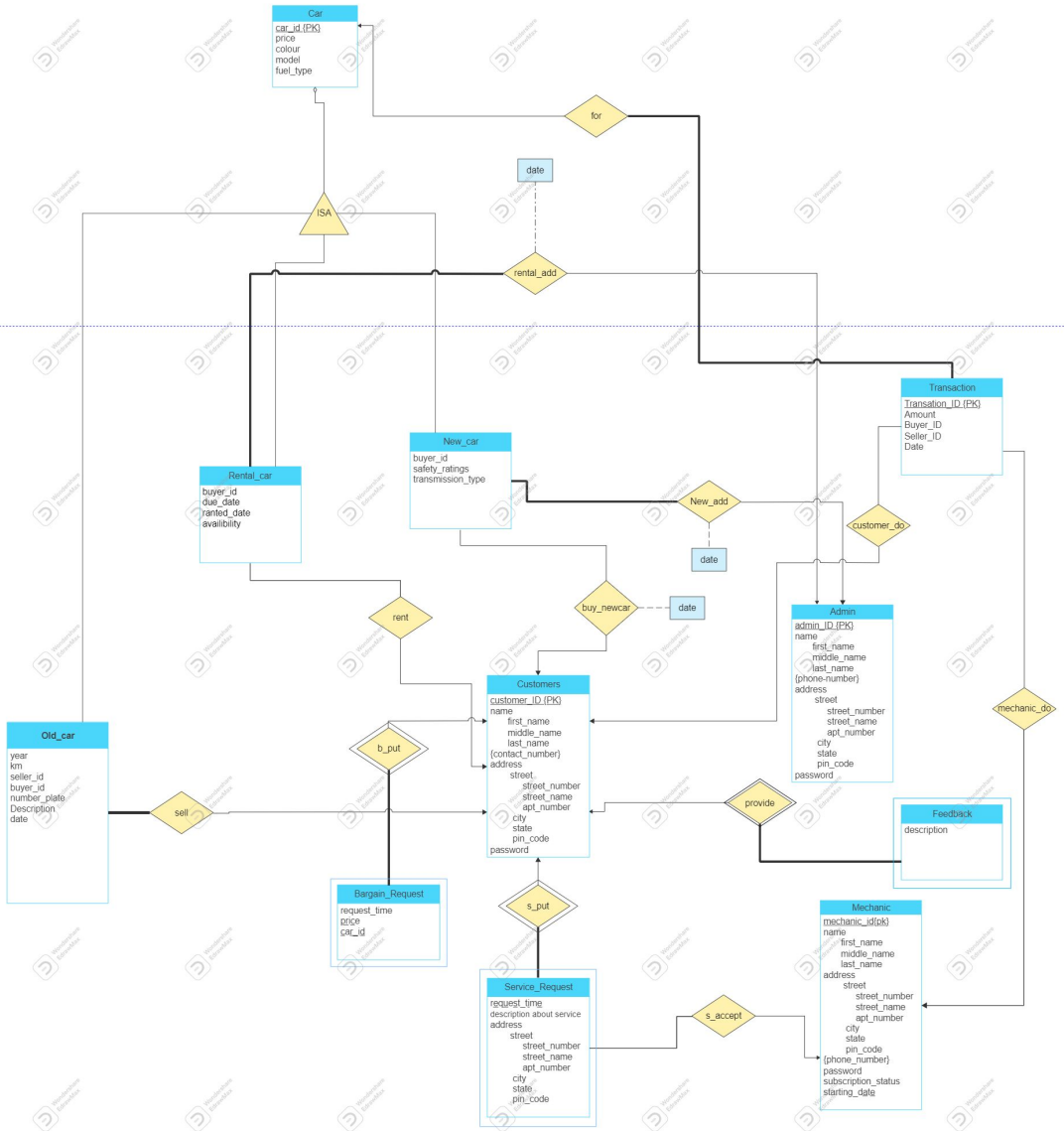
Context **page no.**


Car
car_id {PK}
price
colour
model
fuel_type
for
date
ISA
rental_add
Transaction
Transation_ID {PK}
Amount
Buyer_ID
Seller_ID
Date
New_car
buyer_id
safety_ratings
transmission_type
Rental_car
buyer_id
due_date
ranted_date
availibility
New_add
customer_do
date
rent
buy_newcar
date
Admin
admin_ID {PK}
name
first_name
middle_name
last_name
{phone-number}
address
street
street_number
street_name
apt_number
city
state
pin_code
password
mechanic_do
Old_car
year
km
seller_id
buyer_id
number_plate
Description
date
b_put
Customers
customer_ID {PK}
name
first_name
middle_name
last_name
{contact_number}
address
street
street_number
street_name
apt_number
city
state
pin_code
password
sell
provide
Feedback
description
Bargain_Request
request_time
price
car_id
s_put
Mechanic
mechanic_id{pk}
name
first_name
middle_name
last_name
address
street
street_number
street_name
apt_number
city
state
pin_code
{phone_number}
password
subscription_status
starting_date
Service_Request
request_time
description about service
address
street
street_number
street_name
apt_number
city
state
pin_code
s_accept

Entity sets

Rental_car(rental_car_id ,due_date,availability,price,colour,model,fual_type,add_date)

New_car(car_id, safety_ratings, transmission_type,price,colour,model,fual_type,add_date)

Old_car(car_id, year, km, seller_id, buyer_id, number_plate, Description, add_date, price,colour,model,fual_type)

Customers(customer_id, first_name, middle_name, last_name, street_number, street_name, apt_number, city, state, pin_code, password)

phone_no(user_id,mobile_no)

Transaction(Transaction_id, Amount, Buyer_ID, Seller_ID, Date,car_id)

Admin(admin_id, first_name, middle_name, last_name, street_number, street_name, apt_number, city, state, pin_code, password)

Mechanic(mechanic_id, name, address, Street_number, street_name, Apt_number, City, State, pin_code, password, subscription_status, starting_date)

Feedback(customer_id,time, description)

Service_Request(customer_id, request_time, description_about_service, Address, street, street_number, street_name, apt_number, city, state, pin_code,Mechanic_id)

Bargain_Request(customer_id ,car_id, price, request_time)

Relationship sets

Rent: Relating Customer to Rental_car

Rent(car_id,customer_id,rented_date)

Buy_newcar: relating customer to new_car

Buy_newcar(car_id,customer_id,date)

Service_accept: relating Mechanic to service_request

service_accept(customer_id,request_time,mechanic_id,accept_time)