MINI PROJECT SYNOPSIS

ON

VEHICLE SHOWROOM MANAGEMENT SYSTEM

Submitted as part of course curriculum for

Minor Course: Database Management System

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AIM OF THE PROJECT

The goal of this database system is to create an application that displays the online vehicle showroom and to book vehicles online. Customers can register on this platform and book vehicles by entering their login credentials. Administrator is the key operator of this application and incorporates staff and the information of the new cars

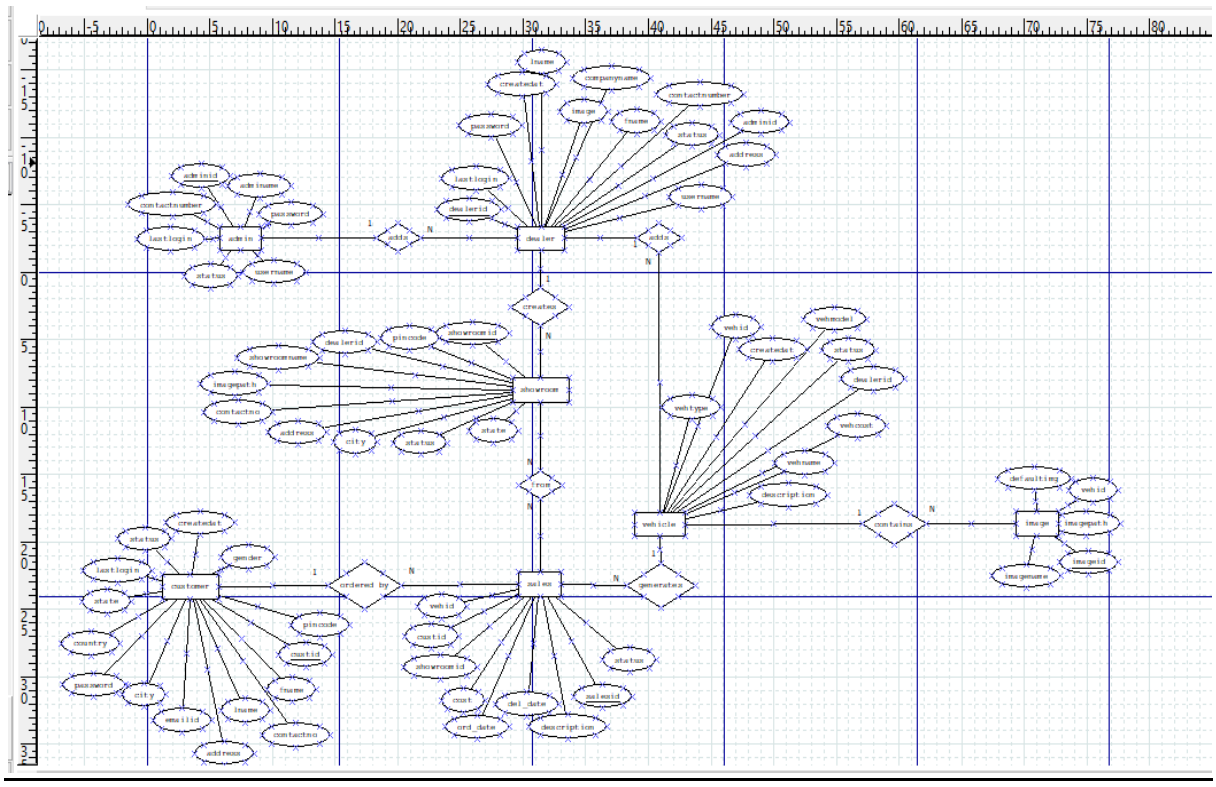
This Car showroom management system is designed for such owners and users who are interested in cars. This system keeps track of all the cars along with their each and every single detail. From the date of manufacture to up to what price can one negotiate while taking that car, one can view all the data here. If someone is interested in buying the car, then he/she can contact the retailer as well for the same, via the system.

SCHEMA DESIGN

In the project database the tables/entities defined are:

- ADMIN
- DEALER
- SHOWROOM
- VEHICLE
- SALES
- IMAGE
- CUSTOMER

ER DIAGRAM


adminid
adminame
contactnumber
password
lastlogin
admin
status
username
adds
dealer
lname
companyname
createdat
image
fname
contactnumber
adminid
password
status
address
lastlogin
dealerid
username
creates
showroom
dealerid
pincode
showroomid
showroomname
imagepath
contactno
address
city
status
state
from
vehicle
vehmodel
vehid
createdat
status
dealerid
vehtype
vehcost
vehname
description
contains
image
defaulting
vehid
imagepath
imageid
imagename
customer
createdat
status
gender
lastlogin
state
country
password
city
emailid
address
pincode
custid
fname
lname
contactno
ordered by
sales
vehid
custid
showroomid
cost
ord_date
del_date
description
saleid
status
generates

RELATIONAL SCHEMA

ADMIN

Password	Adminname	adminID	Contactno	Lastlogin	Status	username

CONTACTNO

Stdcode	phoneno

DEALER

dealerID	Lastlogin	Password	Name	Image	Companyname	Contactno	Status	adminID	Address	username

SHOWROOM

showroomID	dealerID	Showroomname	imageID	Contactno	address

VEHICLE

Vehicletype	vehicleID	Vehiclemodel	Stats	dealerID	Vehiclecost	Vehiclename	description

IMAGE

Defaultimage	vehicleID	imageID	Imagepath	imagename

SALES

vehicleID	custID	showroomID	Cost	Ord_date	Del_date	Description	salesID	stats

CUSTOMER

Gender	Createdate	Stats	Password	emailID	Address	Fname	Lname	Contactno	custID

CUSTOMER CONTACT

custID	contactno

QUERY EXECUTION

SQL Shell (psql)

```
DROP DATABASE
CREATE DATABASE
You are now connected to database "vehicleshowroom" as user "postgres".
CREATE TABLE
CREATE TABLE
ALTER TABLE
CREATE TABLE
ALTER TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE VIEW
CREATE TABLE
vehicleshowroom=# \i 'C:\\Users\\apple\\Downloads\\minipro_insert.sql';
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
```

1. Using ‘group by’ display the no. of each vehicle type sold.

```
vehicleshowroom=# select count(vehicletype), vehicle.vehicletype from sales, vehicle where sales.vehicleID=vehicle.vehicleID group by vehicletype;
 count | vehicletype
-------+-------------
     3 | car
     2 | bike
(2 rows)
```

2. Display all the showroomIDs from the showroom table.

```
vehicleshowroom=# select showroomID
vehicleshowroom-# from showroom
vehicleshowroom-# ;
 showroomid
------------
       2121
       2122
       2123
       2124
       2125
(5 rows)
```

3. Display the showroomID, given the corresponding adminname is ‘Sanjay’.