

CARS GALORE

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Distributed Database Systems



SQL CODE: Schemas + ERD Diagram

SQL Code for Dealer One

```

1  create database dealer_one;
2  use dealer_one;
3  create table representative
4  (
5      rep_no          varchar(10) NOT NULL, #unique id for representative
6      name            varchar(20) NOT NULL, #name of the representative
7      address         varchar(50) NOT NULL, #address of representative
8      phone           varchar(15) NOT NULL, #phone number of representative
9      base_salary     decimal(15) NOT NULL, # base salary for the representative
10     ytd_sales       decimal(15) NOT NULL, # year to date amount for the representative
11     comm            decimal(15) NOT NULL, # commission for the representative
12
13     PRIMARY KEY (rep_no)
14 );
15
16
17  create table customer_d1
18  (
19      customer_no    varchar(10) NOT NULL, #unique id for the customer
20      name            varchar(20) NOT NULL, #name of the customer
21      address         varchar(20) NOT NULL, #address of customer
22      phone           varchar(15) NOT NULL, #phone number of customer
23
24     PRIMARY KEY (customer_no)
25 );
26
27  create table rebate1
28  (
29      rebate_no       varchar(10) NOT NULL, #unique id for the rebate no
30      model           varchar(20) NOT NULL, #model for car
31      rebate_amt      decimal(15) NOT NULL, #how much the rebate is
32      start_date      DATE NOT NULL, # start date of rebate
33      end_date        DATE NOT NULL, # end date of the rebate
34      expired         int NOT NULL,
35
36     PRIMARY KEY (rebate_no),
37     FOREIGN KEY (model) REFERENCES globalviews.model(model)
38 );
39
40  create table cars
41  (
42      serial_no       varchar(10) NOT NULL, #Unique id for car
43      model           varchar(20) NOT NULL, #unique model for car
44      color           varchar(10) NOT NULL, #color of the car
45      autotrans        varchar(10) NOT NULL, # yes or no if its autotransmission
46      warehouse        varchar(20) NOT NULL, # warehouse city
47      rebate           varchar(5) NOT NULL, #yes or not to if the rebate exists or not
48
49     PRIMARY KEY (serial_no),
50     FOREIGN KEY (model) REFERENCES globalviews.model(model)
51 );
52
53  create table purchased_cars
54  (
55      serial_no       varchar(10) NOT NULL, #Unique id for car
56      model           varchar(20) NOT NULL, #unique model for car
57      color           varchar(10) NOT NULL, #color of the car
58      autotrans        varchar(10) NOT NULL, # yes or no if its autotransmission
59      warehouse        varchar(20) NOT NULL, # warehouse city
60      amount           decimal(15) NOT NULL, # warehouse city
61
62     PRIMARY KEY (serial_no)
63 );
64
65  create table loan
66  (
67      serial_no       varchar(10) NOT NULL, #Unique id for car
68      customer_no     varchar(10) NOT NULL, #unique id for the customer
69      amount           decimal(15) NOT NULL, #how much the loan is
70      start_date      DATE NOT NULL, # start date of loan
71      end_date        DATE NOT NULL, # end date of the loan
72      months          int(20) NOT NULL, # how many months the loan is
73      balance          decimal(15) NOT NULL, #how much the balance is
74
75     FOREIGN KEY(serial_no) REFERENCES purchased_cars(serial_no),
76     FOREIGN KEY(customer_no) REFERENCES customer_d1(customer_no)
77 );
78
79  create table transaction
80  (
81      deal_no          varchar(10) NOT NULL, #Unique id for transaction
82      rebate_no        varchar(10) NULL, #unique id for the rebate no
83      package_no       varchar(2) NULL,
84      rep_no           varchar(10) NOT NULL, #unique id for representative
85      customer_no      varchar(10) NOT NULL, #unique id for the customer
86      serial_no        varchar(10) NOT NULL, #Unique id for car
87      amount            decimal(15) NOT NULL, #how much the transaction is
88      fin_amt           decimal(15) NOT NULL, #the balance left
89      date              DATE NOT NULL, #Date of transaction
90
91     PRIMARY KEY(deal_no),
92     FOREIGN KEY(rep_no) REFERENCES representative(rep_no),
93     FOREIGN KEY(customer_no) REFERENCES customer_d1(customer_no),
94     FOREIGN KEY(serial_no) REFERENCES purchased_cars(serial_no)
95 );

```

SQL Code for Dealer 2

```

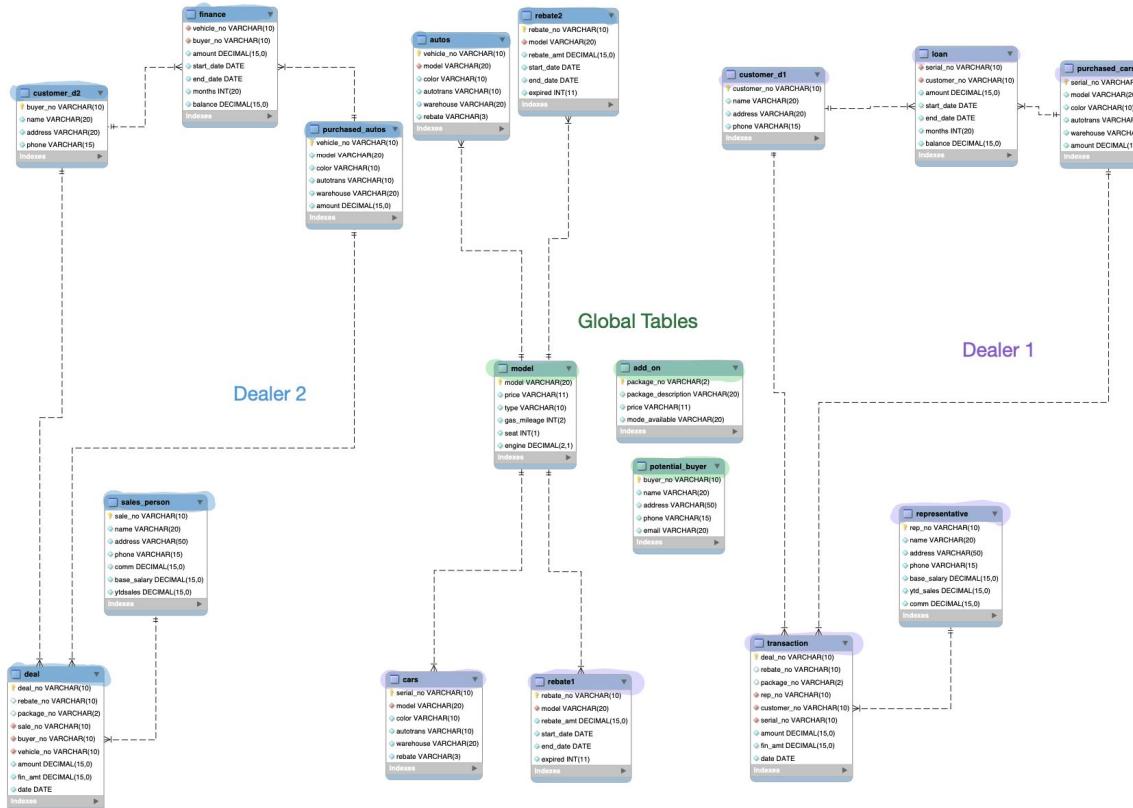
1  create database dealer_two;
2  use dealer_two;
3
4  create table sales_person
5  (
6      sale_no      varchar(10) NOT NULL, #unique id for salesperson
7      name         varchar(20) NOT NULL, #name of the salesperson
8      address      varchar(50) NOT NULL, #address of salesperson
9      phone        varchar(15) NOT NULL, #phone number of salesperson
10     comm          decimal(15) NOT NULL, #commission for the salesperson
11     base_salary   decimal(15) NOT NULL, #base salary for the salesperson
12     ytdsales     decimal(15) NOT NULL, #year to date amount for the salesperson
13
14     PRIMARY KEY (sale_no)
15 );
16
17  create table customer_d2
18  (
19      buyer_no      varchar(10) NOT NULL, #unique id for the customer
20      name         varchar(20) NOT NULL, #name of the customer
21      address      varchar(20) NOT NULL, #address of customer
22      phone        varchar(15) NOT NULL, #phone number of customer
23
24     PRIMARY KEY (buyer_no)
25 );
26
27  create table rebate2
28  (
29      rebate_no      varchar(10) NOT NULL, #unique id for the rebate no
30      model          varchar(20) NOT NULL, #model for car
31      rebate_amt    decimal(15) NOT NULL, #how much the rebate is
32      start_date    DATE      NOT NULL, #start date of rebate
33      end_date      DATE      NOT NULL, #end date of the rebate
34      expired       int       NOT NULL,
35
36     PRIMARY KEY (rebate_no),
37     FOREIGN KEY (model) REFERENCES globalviews.model(model)
38 );
39
40  create table autos
41  (
42      vehicle_no    varchar(10) NOT NULL, #Unique id for car
43      model          varchar(20) NOT NULL, #unique model for car
44      color          varchar(10) NOT NULL, #color of the car
45      autotrans     varchar(10) NOT NULL, # yes or no if its autotransmission
46      warehouse     varchar(20) NOT NULL, # warehouse city
47      rebate         varchar(3) NOT NULL, #yes or not to if the rebate exists or not
48
49     PRIMARY KEY (vehicle_no),
50     FOREIGN KEY (model) REFERENCES globalviews.model(model)
51 );
52
53
54  create table purchased_autos
55  (
56      vehicle_no    varchar(10) NOT NULL, #Unique id for car
57      model          varchar(20) NOT NULL, #unique model for car
58      color          varchar(10) NOT NULL, #color of the car
59      autotrans     varchar(10) NOT NULL, # yes or no if its autotransmission
60      warehouse     varchar(20) NOT NULL, # warehouse city
61      amount         decimal(15) NOT NULL, # warehouse city
62
63
64     PRIMARY KEY (vehicle_no)
65 );
66
67  create table finance
68  (
69      vehicle_no    varchar(10) NOT NULL, #Unique id for car
70      buyer_no      varchar(10) NOT NULL, #unique id for the customer
71      amount         decimal(15) NOT NULL, #how much the loan is
72      start_date    DATE      NOT NULL, # start date of loan
73      end_date      DATE      NOT NULL, # end date of the loan
74      months        int(20)  NOT NULL, # how many months the loan is
75      balance        decimal(15) NOT NULL, #how much the balance is
76
77     FOREIGN KEY(vehicle_no) REFERENCES purchased_autos(vehicle_no),
78     FOREIGN KEY(buyer_no) REFERENCES customer_d2(buyer_no)
79 );
80
81  create table deal
82  (
83      deal_no        varchar(10) NOT NULL, #Unique id for transaction
84      rebate_no     varchar(10) NULL, #unique id for the rebate no
85      package_no    varchar(2)  NULL,
86      sale_no        varchar(10) NOT NULL, #unique id for representative
87      buyer_no      varchar(10) NOT NULL, #unique id for the customer
88      vehicle_no    varchar(10) NOT NULL, #Unique id for car
89      amount         decimal(15) NOT NULL, #how much the transaction is
90      fin_amt        decimal(15) NOT NULL, #the balance left
91      date           DATE      NOT NULL, #date of transaction
92
93
94     PRIMARY KEY(deal_no),
95     FOREIGN KEY(sale_no) REFERENCES sales_person(sale_no),
96     FOREIGN KEY(buyer_no) REFERENCES customer_d2(buyer_no),
97     FOREIGN KEY(vehicle_no) REFERENCES purchased_autos(vehicle_no)
98 );

```

SQL Code for Global Tables

```
1 ●    use globalviews;
2 ●
3   (-)
4
5
6
7 ●    create table model
8   (
9     model      varchar(20) NOT NULL, #unique model for car
10    price       varchar(11) NOT NULL, #price for car
11    type        varchar(10) NOT NULL, # brand of car
12    gas_mileage int(2)      NOT NULL, #number of gas miles
13    seat         int(1)      NOT NULL, # number of seats in car
14    engine       DECIMAL(2,1) NOT NULL, #engine number
15
16    PRIMARY KEY (model)
17  );
18
19 ●    create table add_on
20  (
21    package_no      varchar(2) NOT NULL, #unique id for the package for the add on
22    package_description varchar(20) NOT NULL, #package description like navigation or security
23    price          varchar(11) NOT NULL, # price of the package
24    mode_available  varchar(20) NOT NULL, # modes available
25
26    PRIMARY KEY (package_no)
27  );
28
29 ●    create table potential_buyer
30  (
31    buyer_no        varchar(10) NOT NULL, # unique id for buyer
32    name           varchar(20) NOT NULL, #name of the buyer
33    address         varchar(50) NOT NULL, #address of buyer
34    phone          varchar(15) NOT NULL, #phone number of the buyer
35    email           varchar(20) NOT NULL, #email of the buyer
36
37    PRIMARY KEY (buyer_no)
38  );
39
```

DEALER 1 & DEALER 2 & Global Tables



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SQL Code for Global Views

```

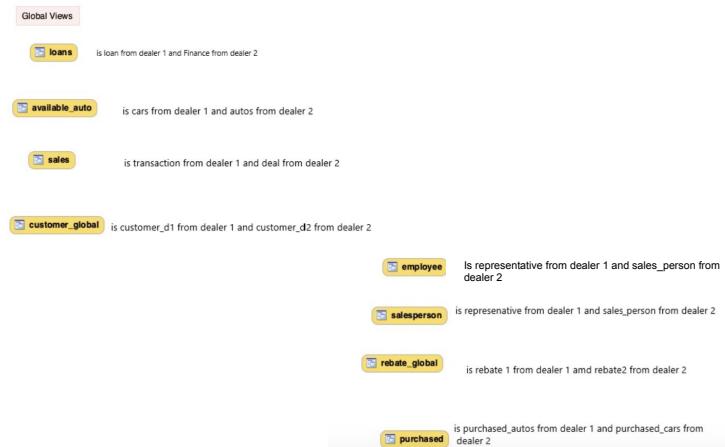
1 • create database globalviews;
2 • use globalviews;
3
4 • CREATE VIEW available_auto AS
5     SELECT serial_no, model, color, warehouse, rebate, 'D1' dealer FROM dealer_one.cars
6     UNION ALL
7     SELECT vehicle_no, model, color, warehouse, rebate, 'D2' dealer FROM dealer_two.autos;
8
9 • CREATE VIEW salesperson(
10    rep_no,
11    base_salary,
12    ytd_sales,
13    comm,
14    dealer
15 )
16 AS
17     SELECT rep_no, base_salary, ytd_sales, comm, 'D1' from dealer_one.representative
18     UNION ALL
19     SELECT sale_no, base_salary, ytdsales, comm, 'D2' from dealer_two.sales_person;
20
21 • CREATE VIEW customer_global AS
22     SELECT customer_no, name, address, phone from dealer_one.customer_d1
23     UNION ALL
24     SELECT buyer_no, name, address, phone from dealer_two.customer_d2;
25
26 • CREATE VIEW sales(
27     dealer,
28     transaction_no,
29     rebate_no,
30     package_no,
31     rep_no,
32     customer_no,
33     serial_no,
34     amount,
35     date
36 )
37 AS
38     SELECT 'D1', deal_no, rebate_no, package_no, rep_no, customer_no, serial_no, amount, date from dealer_one.transaction
39     UNION ALL
40     SELECT 'D2', deal_no, rebate_no, package_no, sale_no, buyer_no, vehicle_no, amount, date from dealer_two.deal;
41
42 • CREATE VIEW rebate_global AS
43     SELECT rebate_no, model, rebate_amt, start_date, end_date, expired, 'D1' dealer from dealer_one.rebate1 WHERE expired = '0'
44     UNION ALL
45     SELECT rebate_no, model, rebate_amt, start_date, end_date, expired, 'D2' dealer from dealer_two.rebate2 WHERE expired = '0';

```

```

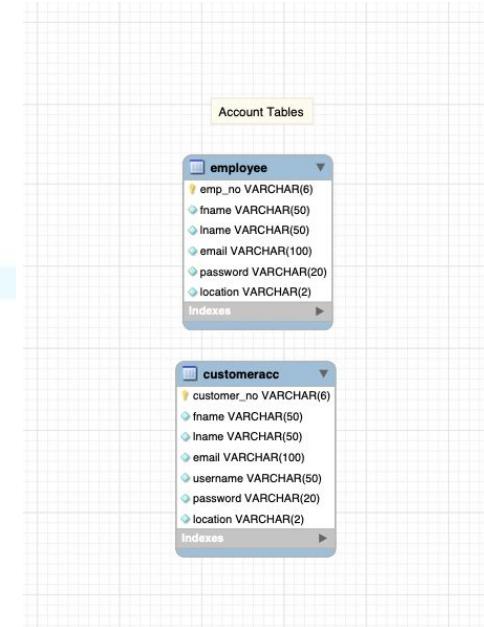
47 • CREATE VIEW employee(
48     emp_no,
49     name,
50     address,
51     phone
52 )
53 AS
54     SELECT rep_no, name, address, phone FROM dealer_one.representative
55     UNION ALL
56     SELECT sale_no, name, address, phone FROM dealer_two.sales_person;
57
58 • CREATE VIEW purchased AS
59     SELECT serial_no, model, color, amount FROM dealer_one.purchased_cars
60     UNION ALL
61     SELECT vehicle_no, model, color, amount FROM dealer_two.purchased_autos;
62
63 • CREATE VIEW loans(
64     vehicle_no,
65     customer_no,
66     amount,
67     model
68 )
69 AS
70     SELECT loan.serial_no, loan.customer_no, loan.amount, purchased_cars.model
71         FROM dealer_one.loan, dealer_one.purchased_cars WHERE loan.serial_no = purchased_cars.serial_no
72     UNION ALL
73     SELECT finance.vehicle_no, finance.buyer_no, finance.amount, purchased_autos.model
74         FROM dealer_two.finance, dealer_two.purchased_autos WHERE finance.vehicle_no = purchased_autos.vehicle_no;

```

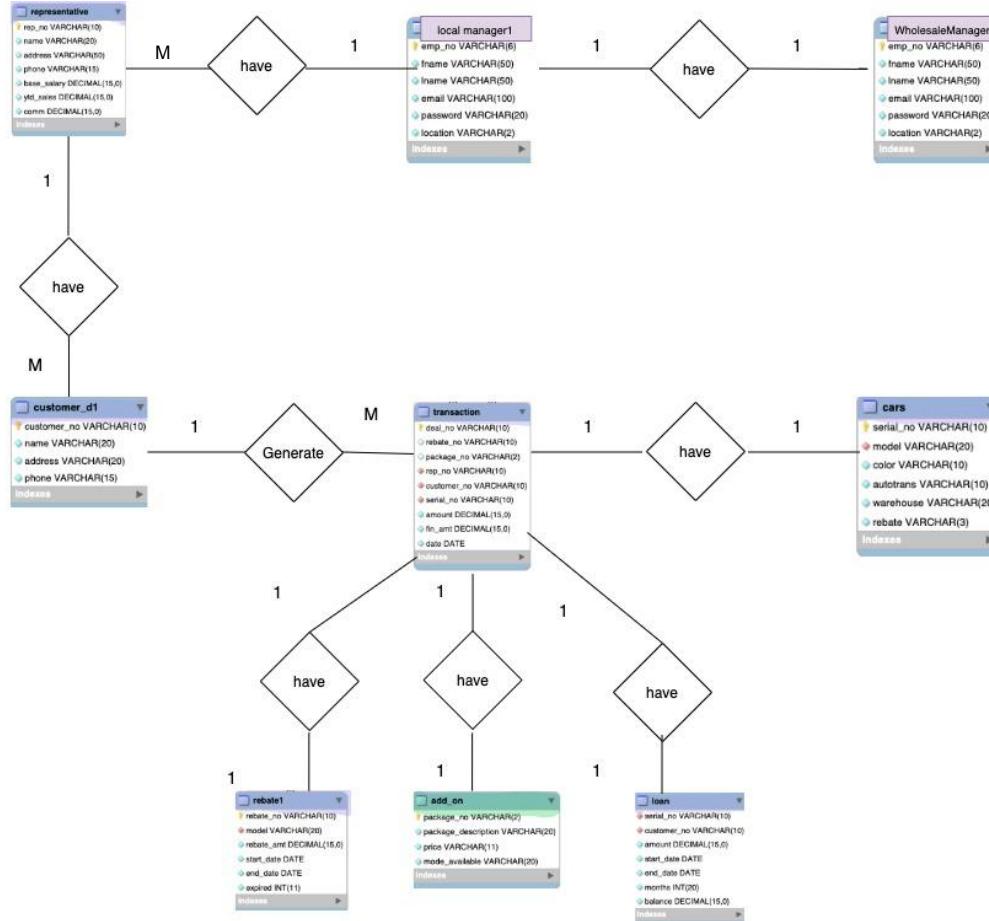


SQL Code for Accounts and Tables

```
1 •  create database user_accounts;
2 •  use user_accounts;
3
4 •  create table employee
5  (
6      emp_no          varchar(6)  NOT NULL, #Unique id
7      fname           varchar(50) NOT NULL, #first name
8      lname           varchar(50) NOT NULL, #last name
9      email           varchar(100) NOT NULL, #email
10     password        varchar(20) NOT NULL, #password
11     location        varchar(2)  NOT NULL, #which dealer
12
13    PRIMARY KEY (emp_no)
14 );
15
16 •  create table customer
17  (
18      customer_no     varchar(6),   #Unique id
19      fname           varchar(50) NOT NULL, #first name
20      lname           varchar(50) NOT NULL, #last name
21      email           varchar(100) NOT NULL, #email
22      username        varchar(50) NOT NULL, #username used for login
23      password        varchar(20) NOT NULL, #password
24      location        varchar(2)  NOT NULL, #which dealer
25
26    PRIMARY KEY (customer_no)
27 );
```

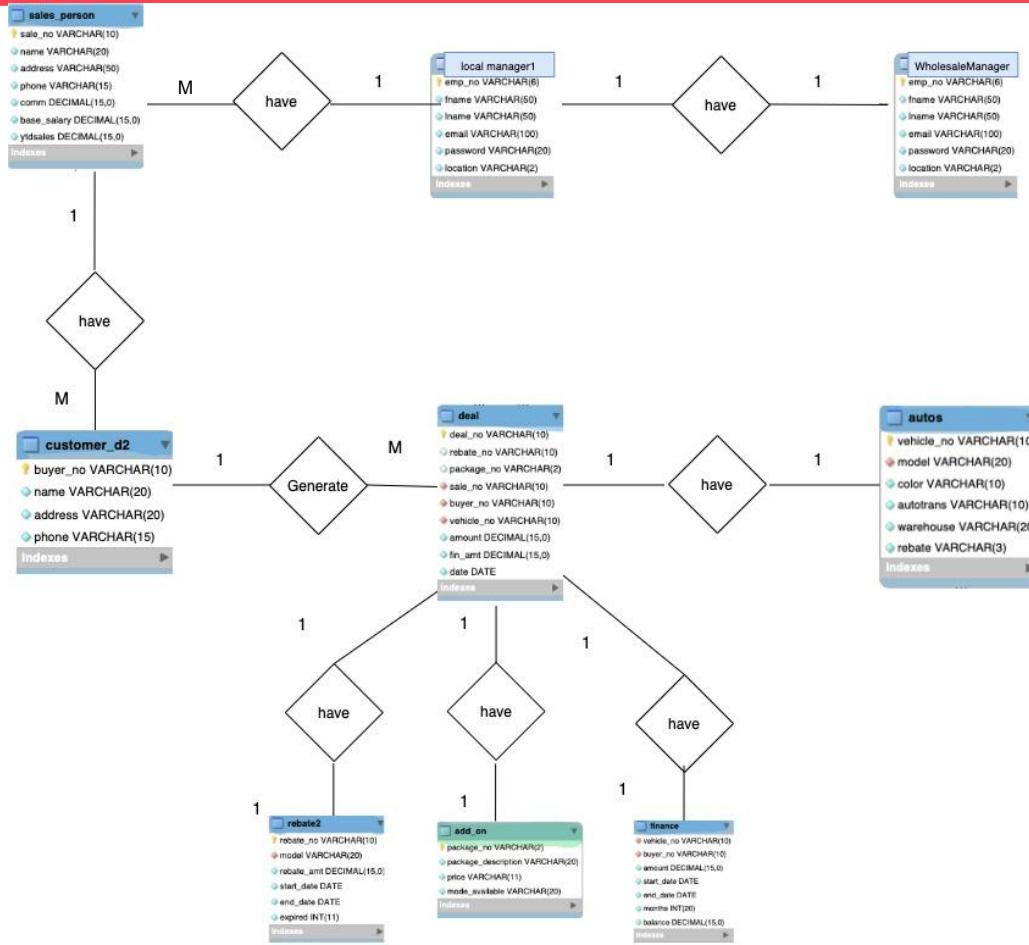


EER Diagram For Dealer 1



7.5

EER Diagram For Dealer 2



USER BREAKDOWN

POTENTIAL BUYERS

- Can access the website: Rebates, Packages and Vehicle pages.
- Can inquire information on available cars such as:
 - Model, Color, Dealership, Price, Type, Rebate options

Contact Us

JUST FILL THE FORM BELOW

View All Vehicles

IT'S ALL IN THE TABLES

Basic Info:

Name
Address
Phone Number
Email

SUBMIT

Search:

Search Color
Search Model
Search Gas Mileage
Search Seats
Search Engine

Filter:

Minimum Range
Maximum Range

Sort:

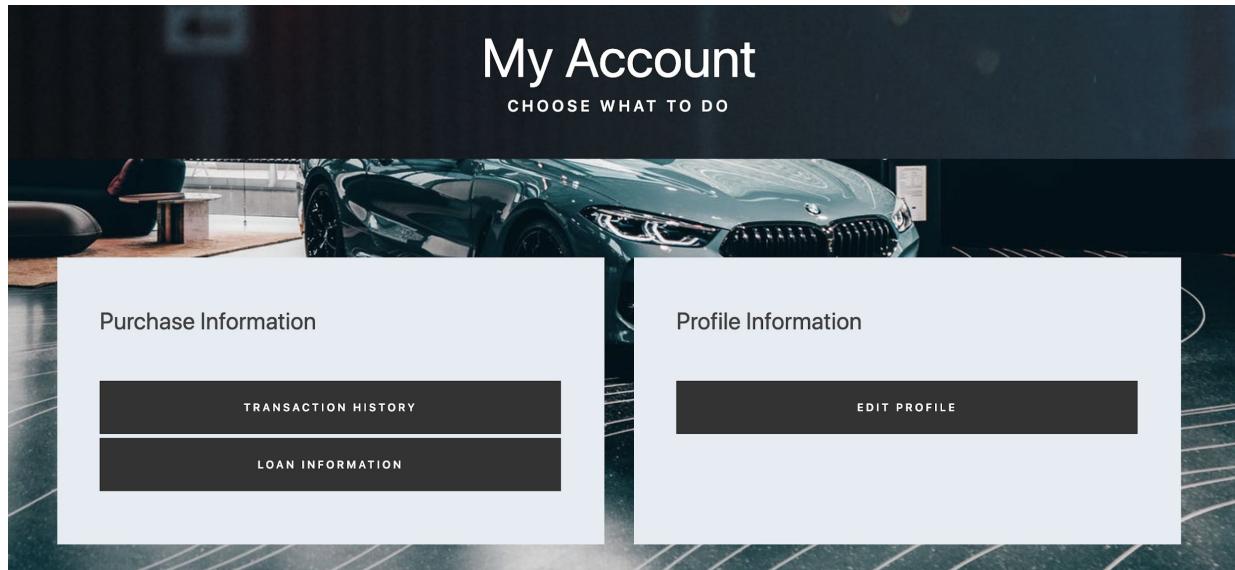
Sort By
Order By

Submit

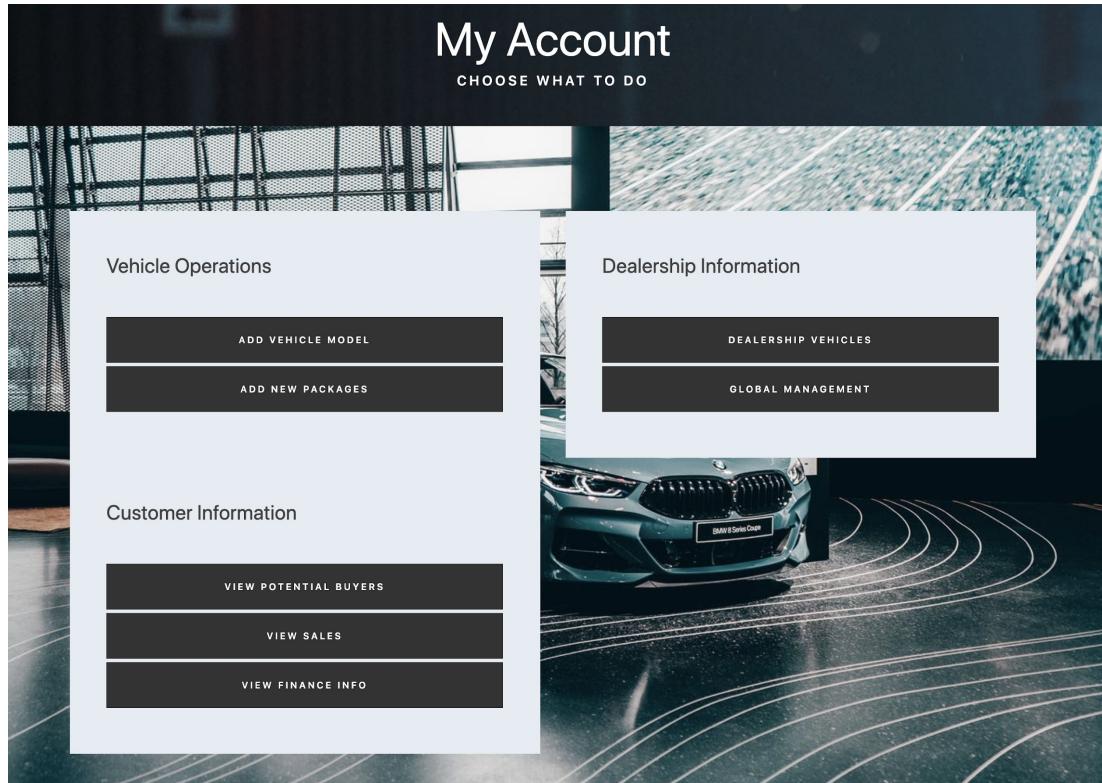
Serial No.	Model	Color	Warehouse	Dealership	Rebate	Price	Type	Gas Mileage	Seat	Engine
V12937013	Avalon	Orange	Astoria	D2	No	23000	sedan	34	4	3.5
V24353125	Avalon	Pink	Flushing	D1	No	23000	sedan	34	4	3.5
V09172405	Camry	Magenta	Astoria	D2	No	20000	sedan	30	5	2.3
V84563221	Camry	Purple	Flushing	D1	No	20000	sedan	30	5	2.3
V23468548	Jeep	Blue	Astoria	D2	No	32000	truck	32	5	5.6
V98450124	Jeep	Purple	Flushing	D1	Yes	32000	truck	32	5	5.6
V39846534	Lambo	Silver	Astoria	D2	Yes	20000	truck	35	4	4.0

CUSTOMERS

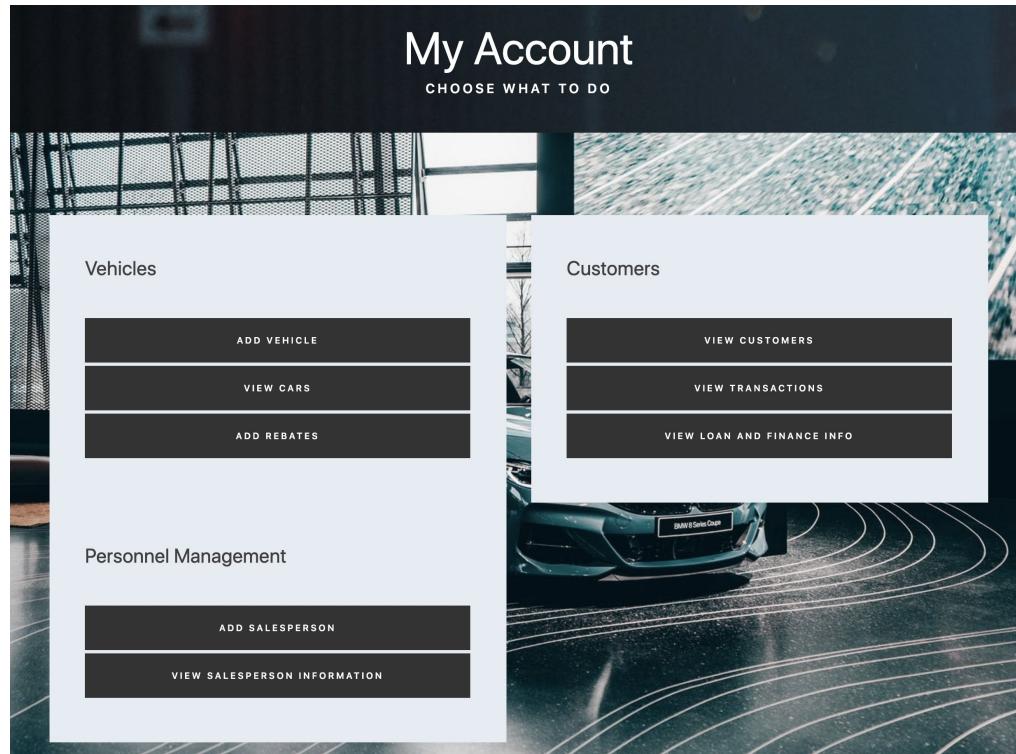
- After a customer has purchased a car, they can now sign up for the website
- Can access their **Personal** and **Purchase** information such as:
 - Transaction History
 - Loan Information
 - Edit Profile



- Has access to **Vehicle Operations, Customer Information and Dealer Information.**
- **Vehicle Operations:**
 - Add Vehicle Model
 - Add New Packages
- **Customer Information:**
 - View Potential Buyers
 - View Sales
 - View Finance Info
- **Dealership Information:**
 - Dealership Vehicles
 - Global Management

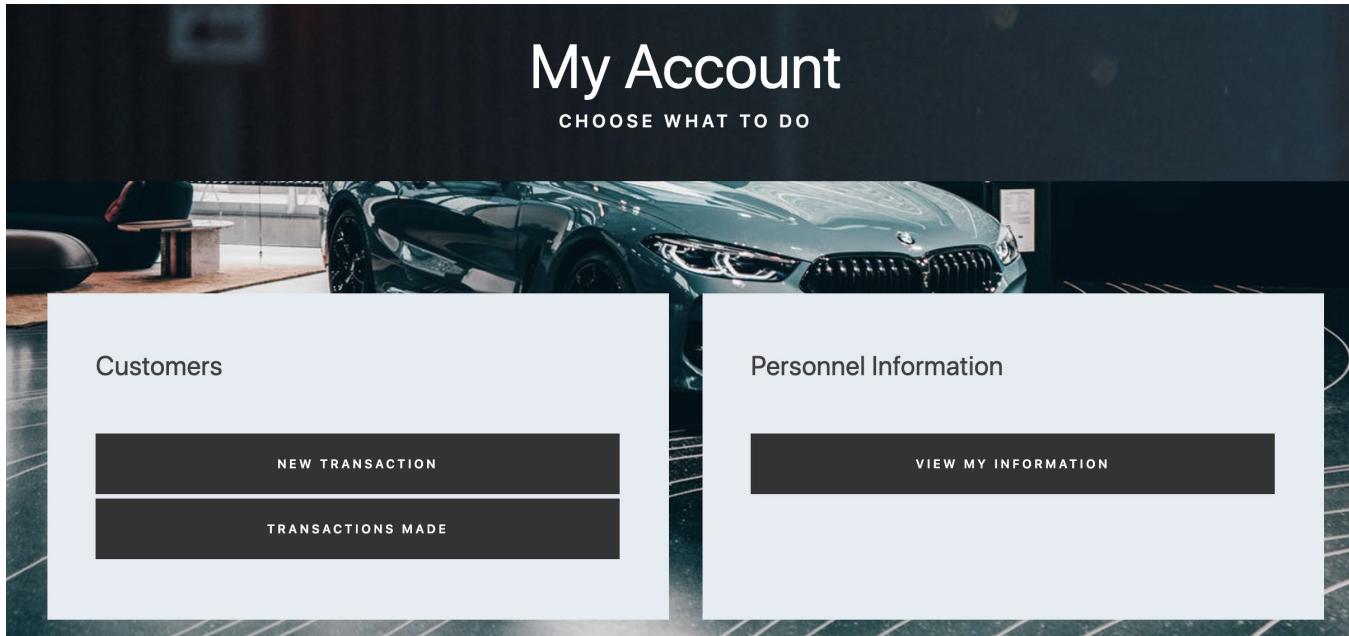


- Access information about their local dealerships
- Access to Vehicles, Customer Information and Personnel Management
- **Vehicles:**
 - Add Vehicle
 - View Cars
 - Add Rebates
- **Customers:**
 - View Customers
 - View Transactions
 - View Loan and Finance Info
- **Personnel Management**
 - Add Salesperson
 - View Salesperson Information



SALES REPRESENTATIVE

- Records transaction and customer information.
- View all transactions made
- Can view personal information.



LOCAL & GLOBAL QUERIES

LOCAL QUERIES

[Enter a New Vehicle](#)

[Delete a Vehicle](#)

[Sales Information](#)

[Finance Information](#)

[Enter New Sales Representative](#)

[Update Salesperson Information](#)

[View Salesperson information](#)

[Update Customer Information](#)

[Rebates](#)

[GO to Global Queries](#)

Insert Form



Query

```
$global = mysqli_connect("127.0.0.1", "root", "csci318project", "globalviews");
$sql = "SELECT model FROM rebate_Global WHERE model = '$model'";
$output = $global->query($sql);

if(isset($_SESSION['ldmanager1']))
{
    $connection = mysqli_connect("127.0.0.1", "root", "csci318project", "dealer_one");
    $sql = "INSERT INTO cars (serial_no, model, color, autotrans, warehouse, rebate)
            VALUES ('$serial', '$model', '$color', '$autotrans', '$warehouse', '$answer')";
} else if(isset($_SESSION['ldmanager2']))
{
    $connection = mysqli_connect("127.0.0.1", "root", "csci318project", "dealer_two");
    $sql = "INSERT INTO autos (vehicle_no, model, color, autotrans, warehouse, rebate)
            VALUES ('$serial', '$model', '$color', '$autotrans', '$warehouse', '$answer')";
}
```

View Added Vehicles

View All Vehicles
IT'S ALL IN THE TABLES

Serial No.	Model	Color	Autotrans	Warehouse
V12345	RAV4	Blue	Yes	St Louis
V23456	Camry	Black	No	Missouri

Transaction Form

Transaction Details

05/12/2020
✓ Vehicle Serial Number
V23456
V12345
Sale Amount
Select Model for Rebate
Select Add On

Query

```

$sql2 = "INSERT INTO purchased_autos (vehicle_no, model, color, autotrans, warehouse, amount)
        VALUES ('$serial', '$model', '$color', '$autotrans', '$warehouse', '$amount')";

$sql3 = "INSERT INTO finance (vehicle_no, buyer_no, amount, start_date, end_date, months, balance)
        VALUES ('$serial', '$custNo', '$loan', '$start', '$end', '$months', '$balance')";

$sql4 = "INSERT INTO deal (deal_no, rebate_no, package_no, sale_no, buyer_no, vehicle_no, amount, fin_amt, date)
        VALUES ('$dealNo', '$rebate', '$package_no', '$empNo', '$custNo', '$serial', '$amount', '$loan', '$date')";

} $sql5 = "DELETE FROM autos where vehicle_no = '$serial'";
}

```

Before & After

Serial No.	Model	Color	Autotrans	Warehouse
V12345	RAV4	Blue	Yes	St Louis
V23456	Camry	Black	No	Missouri

View All Vehicles
IT'S ALL IN THE TABLES

Serial No.	Model	Color	Autotrans	Warehouse
V12345	RAV4	Blue	Yes	St Louis

Query: Customer View Transaction

```

if(isset($_SESSION['customer_no']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "csci318project", "dealer_one");
    $code = $_SESSION['customer_no'];

    $query = "SELECT * FROM transaction WHERE customer_no = '$code'";
    $output = $dbconnect->query($query);
} else if(isset($_SESSION['buyer_no']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "csci318project", "dealer_two");
    $code = $_SESSION['buyer_no'];

    $query = "SELECT * FROM deal WHERE buyer_no = '$code'";
    $output = $dbconnect->query($query);
}

```

Transaction Information

View All Transactions							
IT'S ALL IN THE TABLE							
Date	Deal No.	Rebate No.	Sales Rep No.	Customer ID	Vehicle No.	Sale Amount	Loan Amount
2020-05-12	D44972		S16868	C82334	V123456	100000	2000

Query: Local Manager View All Transaction

```

if(isset($_SESSION['ldmanager1']) || isset($_SESSION['salesrep1']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "csci318project", "dealer_one");
    $query = "SELECT * FROM transaction";
} else if(isset($_SESSION['ldmanager2']) || isset($_SESSION['salesrep2']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "csci318project", "dealer_two");
    $query = "SELECT * FROM deal";
}

$output = $dbconnect->query($query);

```

Transaction Information

View All Transactions							
IT'S ALL IN THE TABLE							
Date	Deal No.	Rebate No.	Sales Rep No.	Customer ID	Vehicle No.	Sale Amount	Loan Amount
2020-05-12	D44972		S16868	C82334	V123456	100000	2000
2020-05-12	D96375		S16868	C63517	V234567	900000	10000

Query

```
if(isset($_SESSION['ldmanager1']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "csci318project", "dealer_one");
    $query = "SELECT * FROM loan";
} else if(isset($_SESSION['ldmanager2']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "csci318project", "dealer_two");
    $query = "SELECT * FROM finance";
}

$output = $dbconnect->query($query);
```

Local Dealers Viewing Loan Information



The screenshot shows a web page with a dark header containing the title 'View All Loans' and the tagline 'IT'S ALL IN THE TABLE'. Below the header is a table with a red header row and two data rows. The table columns are labeled: Vehicle No., Customer ID, Amount, Start Date, End Date, Months, and Balance.

Vehicle No.	Customer ID	Amount	Start Date	End Date	Months	Balance
V123456	C82334	100000	2020-05-12	2020-06-12	1	500
V234567	C63517	900000	2020-05-12	2020-07-12	2	500

Insert Form

Add Sales Personnel

USE THE FORM

Representative Information:

Name
Address
Phone Number
Base Salary
YTD Sales
Commissions
Email
Password

SUBMIT

Query

```

if(isset($_SESSION['ldmanager1']))
{
    $connection = mysqli_connect("127.0.0.1", "root", "csc318project", "dealer_one");
    $sql = "INSERT INTO representative (rep_no, name, address, phone, base_salary, ytd_sales, comm)
            VALUES ('$pin', '$name', '$address', '$phone', '$salary', '$ytd', '$comm')";
    $location = "D1";
} else if(isset($_SESSION['ldmanager2']))
{
    $connection = mysqli_connect("127.0.0.1", "root", "csc318project", "dealer_two");
    $sql = "INSERT INTO sales_person (sale_no, name, address, phone, comm, base_salary, ytdsales)
            VALUES ('$pin','$name', '$address', '$phone', '$comm', '$salary', '$ytd')";
    $location = "D2";
}

$query = "INSERT INTO employee (emp_no, fname, lname, email, password, location)
            VALUES ('$pin','$fname', '$lname', '$email', '$password', '$location')";
```

View Added Representatives

View Sales Personnel

IT'S ALL IN THE TABLE

Representative No.	Name	Address	Phone	Base salary	Year-to-date sales	Commission	Action
S91786	Bill Gates	11 Times Square, New York, NY 10036	2122452100	25760	56703	4300	edit

Query

```

if(isset($_SESSION['ldmanager2']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "csc318project", "dealer_two");
    $query = "UPDATE sales_person SET name= '".$_POST[name]', address= '".$_POST[address]', phone= '".$_POST[phone]', base_salary=
    '".$_POST[base_salary]', ytdsales= '".$_POST[ytdsales]', comm= '".$_POST[comm]' WHERE sale_no= '".$_POST[sale_no]'";
    $output = $dbconnect->query($query);
}

```

**Before
Updating**

My Information

Rep No:	S49968
Name:	Bill Gates
Address:	1855 Broadway
Phone Number:	1324354657
Base Salary:	50000
Year To Date Sales:	16000
Commissions:	5000

UPDATE

My Information

Rep No:	S49968
Name:	Bill Gates
Address:	1855 Broadway
Phone Number:	1324354657
Base Salary:	100000
Year To Date Sales:	20000
Commissions:	7000

UPDATE

**After
Updating**

View Profile



My Information

Your ID: S49968

Name: Bill Gates

Address: 1855 Broadway

Phone Number: 1324354657

Base Salary: \$50000

Year To Date Sales: \$16000

Commissions: \$5000

Query

```
if (isset($_SESSION['salesrep2']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "csci318project", "dealer_two");
    $repPin = $_SESSION['emp_no'];

    $query2 = "SELECT * FROM sales_person WHERE sale_no = '$repPin'";
    $output2 = $dbconnect->query($query2);
}
```

Query: Update by Local Manager

```
if(isset($_SESSION['lmanager2']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "csc318project", "dealer_two");
    $query = "UPDATE customer_d2 SET name= '".$_POST[name]',address= '".$_POST[address]',phone= '".$_POST[phone]' WHERE buyer_no= '".$_POST[buyer_no]'";

    $output = $dbconnect->query($query);
}
```

View All Customers				
Customer No.	Name	Address	Phone	Edit
C82334	Neha Bala	New York, NY	7185679235	Edit Customer Info

Query: Update by Customer

```
if(isset($_SESSION['buyer_no']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "csc318project", "dealer_two");
    $query = "UPDATE customer_d1 SET name= '".$_POST[name]',address= '".$_POST[address]',phone= '".$_POST[phone]' WHERE customer_no= '".$_POST[buyer_no]'";

    $output = $dbconnect->query($query);
}
```

My Information

Your ID: C82334
Name: Neha Bala
Address: 1855 Broadway
Phone Number: 7185679235

EDIT PROFILE DETAILS

Insert Form

Rebate Information:

Rebate Number	
Select Model	<input type="button" value="▼"/>
Rebate Amount	
mm/dd/yyyy	
mm/dd/yyyy	

SUBMIT

Query

```
if(isset($_SESSION['ldmanager1']))
{
    $connection = mysqli_connect("127.0.0.1", "root", "", "dealer_one");
    $sql = "INSERT INTO rebate1 (rebate_no, model, rebate_amt, start_date, end_date, expired)
            VALUES ('$rebate', '$model', '$amount', '$start', '$end', '0')";
    $sql2 = "UPDATE cars SET rebate = '$yes' WHERE model = '$model'";
}
```

```
SET GLOBAL event_scheduler = ON; -- enable event scheduler.
SELECT @@event_scheduler; -- check whether event scheduler is ON/OFF

#Check if rebate is expired and update
CREATE EVENT rebate1Expired -- create your event
ON SCHEDULE
EVERY 24 HOUR -- run every 24 hours
DO
    UPDATE dealer_one.rebate1 SET expired='1' WHERE end_date = current_date() OR end_date < current_date();

CREATE EVENT rebate2Expired -- create your event
ON SCHEDULE
EVERY 24 HOUR -- run every 24 hours
DO
    UPDATE dealer_two.rebate2 SET expired='1' WHERE end_date = current_date() OR end_date < current_date();

#Check if a car currently has a rebate
CREATE EVENT carRebate1 -- create your event
ON SCHEDULE
EVERY 24 HOUR -- run every 24 hours
DO
    UPDATE dealer_one.cars SET rebate='No' WHERE model NOT IN (SELECT model FROM globalviews.rebate_global);

CREATE EVENT carRebate2 -- create your event
ON SCHEDULE
EVERY 24 HOUR -- run every 24 hours
DO
    UPDATE dealer_two.autos SET rebate='No' WHERE model NOT IN (SELECT model FROM globalviews.rebate_global);
```

GLOBAL QUERIES

[Add Potential Buyer Information](#)

[Add Model](#)

[Add Add-On](#)

[Customer Views Loan Information](#)

[Find Warehouse with Most Vehicles](#)

[View All Rebates](#)

[Find Dealer with Most Sales Personnel](#)

[Find Dealer with Most Customers](#)

[Customer Or Model with Highest Loan](#)

[Find customer with Highest Loan](#)

[Find customers with the Most Purchases](#)

[Find Salesperson with Highest Commission](#)

[Find Top N Highest Paid Salesperson](#)

[Find all \[blank\] cars](#)

[Find all colors for \[blank model\]](#)

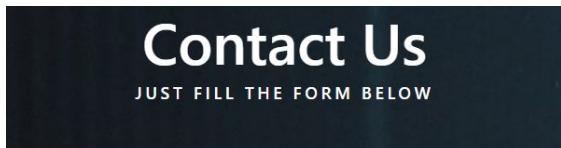
[Sort by price, gas, engine size](#)

[Find Dealer with specific car](#)

[Search, sort and filter](#)

[GO to Local Queries](#)

Form



Basic Info:

Aemun Ahmar
1855 Broadway
1234567890
aahmar@nyit.edu

SUBMIT

Query

```
$sql = "INSERT INTO potential_buyer (buyer_no, name, address, phone, email)  
VALUES ('$pin', '$name', '$address', '$phone', '$email')";
```

Table



View All Potential Buyers
IT'S ALL IN THE TABLES

Buyer ID	Name	Address	Phone	Email
B76247	Aemun Ahmar	1855 Broadway	1234567890	aahmar@nyit.edu

Form

Add a New Model

USE THE FORM

Model Information:

Model
Price
Type
Gas Mileage
Seat
Engine

SUBMIT

Query

```
$sql = "INSERT INTO model (model, price, type, gas_mileage, seat, engine)  
VALUES ('$model', '$price', '$type', '$mileage', '$seat', '$engine')";
```

How do we use the model table:

Select Model

- Select Model
- Acura ILX
- Audi Allroad
- Buick Enclave
- Camry
- Honda Accord

The models in the global table
are used to create the drop
down for model in the **Add**
Rebate and **Add Vehicle** pages

Form



Package Information:

Package Number
Description
Price
Mode Available

SUBMIT

Query

```
$sql = "INSERT INTO add_on (package_no, package_description, price, mode_available)  
VALUES ('$package', '$description', '$price', '$mode')";
```

Table

A dark rectangular box with the title "All Available Add-Ons" in white. Below it, the text "UPGRADE YOUR RIDE" is written in a smaller white font.

Package No.	Package Description	Price	Mode Available
P1	Navigation	500	SE

Query

```
if(isset($_SESSION['customer_no']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "", "dealer_one");
    $code = $_SESSION['customer_no'];
    $query = "SELECT * FROM loan WHERE customer_no = '$code'";
} else if(isset($_SESSION['buyer_no']))
{
    $dbconnect = mysqli_connect("127.0.0.1", "root", "", "dealer_two");
    $code = $_SESSION['buyer_no'];
    $query = "SELECT * FROM finance WHERE buyer_no = '$code'";
}
```

Table

The screenshot shows a dark-themed web application interface. At the top, it displays the title "Your Loan Information" in large white font, followed by the subtitle "MAKE YOUR PAYMENTS ON TIME" in smaller white font. Below this, there is a table with a red header row and two data rows.

Serial No.	Amount	Start Date	End Date	Months	Balance
V396558697	10000	2020-05-07	2020-08-07	3	10000
V324540999	1200	2020-05-07	2020-06-07	1	1200

Query

```
//Find the warehouse with the most cars  
$query1 = "SELECT `warehouse`, COUNT(`warehouse`) AS `value_occurrence` FROM `available_auto` GROUP BY `warehouse` ORDER BY `value_occurrence` DESC LIMIT 1";
```

Output

View All Vehicles

IT'S ALL IN THE TABLES

Warehouse with most vehicles: Rochester

Serial No.	Model	Color	Warehouse	Dealership
V035309550	Tesla Model 3	Black	Rochester	D1
V039440965	Buick Enclave	Brown	Liberty	D1

Query

```
$dbconnect = mysqli_connect("127.0.0.1", "root", "", "globalviews");
$query = "SELECT * FROM rebate_global";
$output = $dbconnect->query($query);
```

Table

All Available Rebates

SAVE SOME MONEY

Rebate No.	Model	Rebate Amount	Start Date	End Date	Dealership
R1	Tesla Model 3	500	2020-05-07	2020-06-07	D1

Query

```
//Find the warehouse with the most cars  
$query1 = "SELECT `dealer`, COUNT(`dealer`) AS `value_occurrence` FROM `salesperson` GROUP BY `dealer` ORDER BY `value_occurrence` DESC LIMIT 1";
```

Output



Representative No.	Name	Address	Phone	Base Salary	Year-to-Date Sales	Commission	Dealership
S27944	Elon Musk	3500 Deer Creek Road	5456798033	50000	10000	5000	D1
S91786	Bill Gates	11 Times Square, New York, NY 10036	2122452100	25760	56703	4300	D2

Query

```
$query2 = "SELECT `dealer`, COUNT(`dealer`) AS `value_occurrence` FROM `sales` GROUP BY `dealer` ORDER BY `value_occurrence` DESC LIMIT 1";  
$output2 = $dbconnect->query($query2);
```

Output

View All Transactions

IT'S ALL IN THE TABLES

Dealership with most customers: D1

Before Sort

		Sort By	Order By	
Serial No	Loan	Amount	Model	
V324540999	C54356	1200	Buick Enclave	View
V396558697	C54356	10000	Tesla Model 3	View

After Sort

		Sort By	Order By	
Serial No	Customer No	Amount	Model	
V396558697	C54356	10000	Tesla Model 3	View
V324540999	C54356	1200	Buick Enclave	View

Query

```
//Find the top N most popular column input  
if(isset($_POST['column']) && isset($_POST['order']))  
{  
    $order = $_POST['order'];  
    $column = $_POST['column'];  
  
    $query = "SELECT * FROM loans ORDER BY `$column` $order";  
  
    $output = $dbconnect->query($query);  
}
```

View Info

[View](#)



localhost/DBProject-rep/viewProfile.html?cust_no=C54356&amount=10000

Personal Profile

MAKE SURE EVERYTHING IS CORRECT

Customer Information

Customer ID: C54356

Name: Neha Bala

Address: 1855 Broadway

Phone Number: 7185679235

Loan Amount: \$10000

30 FIND CUSTOMERS WITH THE MOST PURCHASES

G

Query

```
//Find the customer with most purchases to display and dealer with most sales
```

```
$query1 = "SELECT `customer_no`, COUNT(`customer_no`) AS `value_occurrence` FROM `sales` GROUP BY `customer_no` ORDER BY `value_occurrence` DESC LIMIT 1";
```

Output

View All Transactions

IT'S ALL IN THE TABLES

Dealership with most sales: D1

Customer with most purchases: C54356

Return top N popular

Select Column



Submit

30 FIND CUSTOMERS WITH THE MOST PURCHASES

G

[View More Info](#)

① localhost/DBProject-rep/viewTrans.html?cust_no=C54356

Your Transaction History

TAKE A LOOK AT YOUR PURCHASES

Customer ID	Name	Address	Phone	Date	Transaction No	Salesperson No	Serial No	Sale Amount
C54356	Neha Bala	1855 Broadway	7185679235	2020-05-07	D58485	S27944	V396558697	35000
C54356	Neha Bala	1855 Broadway	7185679235	2020-05-07	D87247	S27944	V324540999	15245

31 FIND SALESPERSON WITH HIGHEST COMMISSION [G](#)

Query

```
$query2 = "SELECT `name` FROM (SELECT employee.name, salesperson.base_salary, salesperson.comm, salesperson.ytd_sales  
    FROM salesperson INNER JOIN employee ON salesperson.rep_no = employee.emp_no) AS T  
    ORDER BY `$column` DESC LIMIT $top";
```

1

Commission



Submit

Return top N popular

Select Column



Submit

- Bill Gates -

Query

```
$query2 = "SELECT `name` FROM (SELECT employee.name, salesperson.base_salary, salesperson.comm, salesperson.ytd_sales  
FROM salesperson INNER JOIN employee ON salesperson.rep_no = employee.emp_no) AS T  
ORDER BY `$column` DESC LIMIT $top";
```

1

Base Salary



Submit

Return top N popular

Select Column



Submit

- Elon Musk -

Before Search

View All Vehicles

SEARCH FOR THE PERFECT ONE

Search:

Black	Tesla	Search Gas Mileage	Search Seats	Search Engine
-------	-------	--------------------	--------------	---------------

Filter:

Minimum Range	Maximum Range
---------------	---------------

Sort:

Sort By	Order By
---------	----------

Submit

Serial No.	Model	Color	Warehouse	Dealership	Rebate	Price	Type	Gas Mileage	Seat	Engine
V685203593	Acura ILX	Blue	Astoria	D2	No	25900	Small Car	24	5	2.0
V039440965	Buick Enclave	Brown	Liberty	D1	No	35000	SUV	18	7	3.0
V940528491	Buick Enclave	Brown	Staten Island	D1	No	35000	SUV	18	7	3.0

After Search

View All Vehicles

SEARCH FOR THE PERFECT ONE

Search:

Black	Tesla	Search Gas Mileage	Search Seats	Search Engine
-------	-------	--------------------	--------------	---------------

Filter:

Minimum Range	Maximum Range
---------------	---------------

Sort:

Sort By	Order By
---------	----------

Submit

Serial No.	Model	Color	Warehouse	Dealership	Rebate <input checked="" type="checkbox"/>	Price	Type	Gas Mileage	Seat	Engine
V035309550	Tesla Model 3	Black	Rochester	D1	Yes	40000	Sedan	50	5	2.0
V584476582	Tesla Model 3	Black	Liberty	D1	Yes	40000	Sedan	50	5	2.0
V934585945	Tesla Model 3	Black	Rochester	D1	Yes	40000	Sedan	50	5	2.0

View All Vehicles

SEARCH FOR THE PERFECT ONE

Search: Search Color camry Search Gas Mileage Search Seats Search Engine

Filter: Minimum Range Maximum Range

Sort: Color A-Z

Submit

Serial No.	Model	Color	Warehouse	Dealership	Rebate ■	Price	Type	Gas Mileage	Seat	Engine
V951230455	Camry	Black	Rochester	D1	No	60000	Sedan	23	5	2.0
V129345679	Camry	Blue	Liberty	D1	No	60000	Sedan	23	5	2.0
V129448675	Camry	Grey	Liberty	D1	No	60000	Sedan	23	5	2.0

Sort By ▾

Sort By

Price

Gas Mileage

Engine

Color

Model

View All Vehicles

SEARCH FOR THE PERFECT ONE

Search: Search Color | Search Model | Search Gas Mileage | Search Seats | Search Engine

Filter: Minimum Range | Maximum Range

Sort: Color ▾ | Z-A ▾

Submit

Serial No.	Model	Color	Warehouse	Dealership	Rebate	Price	Type	Gas Mileage	Seat	Engine
V134409889	Honda Accord	Yellow	Jackson Heights	D2	No	24020	Sport	38	5	2.0
V498779302	Buick Enclave	Red	Astoria	D2	No	35000	SUV	18	7	3.0
V129448675	Camry	Grey	Liberty	D1	No	60000	Sedan	23	5	2.0

View All Vehicles

SEARCH FOR THE PERFECT ONE

Search:	Black	Search Model	38	5	Search Engine
---------	-------	--------------	----	---	---------------

Filter:	21000	27000
---------	-------	-------

Sort:	Model	A-Z
-------	-------	-----

Submit

Serial No.	Model	Color	Warehouse	Dealership	Rebate	Price	Type	Gas Mileage	Seat	Engine
V792455838	Honda Accord	Black	Astoria	D2	No	24020	Sport	38	5	2.0

Query

```
$query = "SELECT serial_no, color, warehouse, rebate, dealer, model.model, model.price, model.type, model.gas_mileage,  
model.seat, model.engine FROM available_auto  
INNER JOIN model ON globalviews.available_auto.model = globalviews.model.model";
```

```
$conditions = array();  
$sort = array();  
  
if(!empty($color))  
{  
    $conditions[] = "color LIKE '%$color%'";  
}  
if(!empty($model))  
{  
    $conditions[] = "model.model LIKE '%$model%'";  
}  
if(!empty($mileage))  
{  
    $conditions[] = "gas_mileage LIKE '%$mileage%'";  
}  
if(!empty($seat))  
{  
    $conditions[] = "seat LIKE '%$seat%'";  
}  
if(!empty($engine))  
{  
    $conditions[] = "engine LIKE '%$engine%'";  
}  
if(!empty($min) && !empty($max))  
{  
    $conditions[] = "model.price BETWEEN '$min' AND '$max'";  
}  
if(!empty($column) && !empty($order))  
{  
    $sort[] = " ORDER BY $column $order";  
} else if(!empty($column))  
{  
    $sort[] = " ORDER BY $column";  
}
```

```
$sql = $query;  
if(count($conditions) > 0 && count($sort) > 0)  
{  
    $sql .= " WHERE " . implode(' AND ', $conditions);  
    $sql .= implode(' ', $sort);  
} else if(count($conditions) == 0 && count($sort) > 0)  
{  
    $sql .= implode(' ', $sort);  
} else  
{  
    $sql .= " WHERE " . implode(' AND ', $conditions);  
}  
  
$output = $dbconnect->query($sql);
```