Used to create database::

CREATE DATABASE CAR\_INVENTORY;

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Create Tables::

CREATE TABLE Employee(

EID INT(11) NOT NULL AUTO\_INCREMENT,

FIRST\_NAME VARCHAR(50),

LAST\_NAME VARCHAR(50),

PIN INT (4),

PRIMARY KEY(EID)

)

----------------------------------------------------------------------------------------------------------------------

CREATE TABLE Customer(

CID INT(11) NOT NULL AUTO\_INCREMENT,

FIRST\_NAME VARCHAR(50),

LAST\_NAME VARCHAR(50),

EMAIL VARCHAR (255),

USERNAME VARCHAR (50),

PASSWORD VARCHAR (50),

PHONENUMBER INT (10),

PRIMARY KEY(CID)

)

----------------------------------------------------------------------------------------------------------------------

CREATE TABLE Order\_List(

OID INT(11) NOT NULL AUTO\_INCREMENT,

SERVICE VARCHAR (255),

STATUS VARCHAR(50),

FOREIGN KEY (EID) REFERENCES Employee(EID),

FOREIGN KEY (CID) REFERENCES Customer(CID),

PRIMARY KEY(OID)

)

----------------------------------------------------------------------------------------------------------------------

CREATE TABLE Purchase\_History(

PID INT (11),

EID INT(11),

OID INT(11),

VIN INT (11),

DATE INT (11),

COST INT (11),

PRIMARY KEY(PID),

FOREIGN KEY (EID) REFERENCES Employee(EID),

FOREIGN KEY (CID) REFERENCES Customer(CID),

FOREIGN KEY (VIN) REFERENCES Car\_Information(VIN)

)

----------------------------------------------------------------------------------------------------------------------

CREATE TABLE Order\_History(

CID INT(11),

OID INT(11),

EID INT(11),

SERVICE VARCHAR(50),

DATE INT(50),

FOREIGN KEY (CID) REFERENCES Customer(CID),

FOREIGN KEY (EID) REFERENCES Employee(EID)

)

----------------------------------------------------------------------------------------------------------------------

CREATE TABLE Car\_Information(

VIN INT(11) NOT NULL AUTO\_INCREMENT,

NAME VARCHAR(255),

MAKE VARCHAR(255),

MODEL VARCHAR (255),

YEAR INT(11),

RETAIL INT(11),

StandardEngine VARCHAR(255),

Horsepower VARCHAR(255),

Torque VARCHAR (255),

Transmissions VARCHAR (255),

CITY\_MPG INT (11),

HIGHWAY\_MPG INT (11),

SUNROOF VARCHAR(20),

AIRCONDITIONING VARCHAR(20),

POWERLOCKS VARCHAR (20),

POWERWINDOWS VARCHAR(20),

LEATHERSEATS VARCHAR(20),

MAX\_SEATING INT (5),

NUMBEROFDOORS INT (5),

CASSETTEPLAYER VARCHAR(20),

CDPLAYER VARCHAR(20),

NAVSYSTEM VARCHAR(20),

AIRBAGS VARCHAR (20),

ABS\_BREAKES VARCHAR (20),

TRACTION\_CONTROL VARCHAR(20),

STABILITY\_CONTROL VARCHAR(20),

PRIMARY KEY(VIN)

)

----------------------------------------------------------------------------------------------------------------------

CREATE TABLE Car\_Inventory(

VIN INT(11) NOT NULL AUTO\_INCREMENT,

NAME VARCHAR(255),

MAKE VARCHAR(255),

MODEL VARCHAR (255),

YEAR INT(11),

RETAIL INT(11),

StandardEngine VARCHAR(255),

Horsepower VARCHAR(255),

Torque VARCHAR (255),

Transmissions VARCHAR (255),

CITY\_MPG INT (11),

HIGHWAY\_MPG INT (11),

SUNROOF VARCHAR(20),

AIRCONDITIONING VARCHAR(20),

POWERLOCKS VARCHAR (20),

POWERWINDOWS VARCHAR(20),

LEATHERSEATS VARCHAR(20),

MAX\_SEATING INT (5),

NUMBEROFDOORS INT (5),

CASSETTEPLAYER VARCHAR(20),

CDPLAYER VARCHAR(20),

NAVSYSTEM VARCHAR(20),

AIRBAGS VARCHAR (20),

ABS\_BREAKES VARCHAR (20),

TRACTION\_CONTROL VARCHAR(20),

STABILITY\_CONTROL VARCHAR(20),

PRIMARY KEY(VIN)

)

----------------------------------------------------------------------------------------------------------------------

Get Employee PIN validation:

SELECT \*

FROM Employee

WHERE EID = value AND PIN = value

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Lookup Car:

SELECT \*

FROM Car\_Inventory

WHERE VIN = value

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Collect Customer Data:

INSERT INTO Customer VALUES(…)

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Add to purchase history:

INSERT INTO Purchase\_History VALUES(…)

----------------------------------------------------------------------------------------------------------------------

Lookup Customers Purchase history:

SELECT \*

FROM Purchase\_History

WHERE LASTNAME = value AND PHONENUMBER = value

----------------------------------------------------------------------------------------------------------------------

Create order:

INSERT INTO Order\_List VALUES (…)

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Lookup Orders:

SELECT \*

FROM Order\_List

----------------------------------------------------------------------------------------------------------------------

Choose next available order:

SELECT \*

FROM Order\_List

WHERE STATUS = 'available'

LIMIT 1

----------------------------------------------------------------------------------------------------------------------

Update Order in order\_list:

UPDATE Order\_List

SET EID = 'val1', STATUS = 'val2'

WHERE OID = value

----------------------------------------------------------------------------------------------------------------------

Move Order from order\_list to Order\_complete:

INSERT INTO Order\_History VALUES(…)

----------------------------------------------------------------------------------------------------------------------

Create Customer Order:

INSERT INTO Order\_List VALUES(…)

----------------------------------------------------------------------------------------------------------------------

Delete Order:

DELETE FROM Order\_List

WHERE *condition*

----------------------------------------------------------------------------------------------------------------------

Lookup Cars in car inventory::

SELECT \*

FROM Car\_Inventory

WHERE VIN = value

----------------------------------------------------------------------------------------------------------------------

Add cars to the car inventory table::

INSERT INTO Car\_Inventory VALUES(…);

----------------------------------------------------------------------------------------------------------------------

Update cars to the car inventory table::

UPDATE Car\_Inventory

SET col1 = 'val1', col2 = 'val2' ...

WHERE VIN = value

----------------------------------------------------------------------------------------------------------------------

Delete cars to the car inventory table::

DELETE FROM Car\_Inventory

WHERE VIN = value

----------------------------------------------------------------------------------------------------------------------