CREATE TABLE mechanic (

mechanicID integer PRIMARY KEY AUTOINCREMENT,

hourlyRate integer(10)

);

CREATE TABLE vehicleRepairs (

RepairsID integer PRIMARY KEY AUTOINCREMENT,

mechanicID integer NOT NULL,

vehicleID integer NOT NULL,

PartID integer NOT NULL,

partName varchar(30) NOT NULL,

dateInstalled date(10) NOT NULL,

dateWarranty date(10) NOT NULL,

FOREIGN KEY (mechanicID) REFERENCES mechanic (mechanicID) ON DELETE NO ACTION,

FOREIGN KEY (PartID) REFERENCES Parts (PartID) ON DELETE NO ACTION,

FOREIGN KEY (vehicleID) REFERENCES vehicle (vehicleID) ON DELETE NO ACTION

);

CREATE TABLE vehicle (

vehicleID integer PRIMARY KEY AUTOINCREMENT,

make varchar(25) NOT NULL,

model varchar(25) NOT NULL,

engineSize double(10) NOT NULL,

fuelType varchar(10) NOT NULL,

colour varchar(20) NOT NULL,

mOTRenewalDate date(20) NOT NULL,

lastService date(20) NOT NULL,

vehicleMileage integer(128) NOT NULL,

type varchar(20) NOT NULL,

nextService date(20),

mOTState varchar(10) NOT NULL,

customerID integer NOT NULL,

stanVehicleID integer NOT NULL,

FOREIGN KEY (stanVehicleID) REFERENCES standardVehicle (stanVehicleID),

FOREIGN KEY (customerID) REFERENCES Customer (customerID) ON DELETE CASCADE

);

CREATE TABLE thirdPartyParts (

ThirdPartyPartsID integer PRIMARY KEY AUTOINCREMENT,

TrackID integer NOT NULL,

PartID integer NOT NULL,

FOREIGN KEY (TrackID) REFERENCES Track (trackID) ON DELETE CASCADE

FOREIGN KEY (PartID) REFERENCES Parts (PartID) ON DELETE NO ACTION

);

CREATE TABLE standardVehicle (

stanVehicleID integer PRIMARY KEY AUTOINCREMENT,

engineSize double(10) NOT NULL,

make varchar(25) NOT NULL,

model varchar(25) NOT NULL,

fuelType varchar(15) NOT NULL

);

CREATE TABLE login (

username varchar(15) NOT NULL DEFAULT(''),

password varchar(15) NOT NULL

);

CREATE TABLE baySchedule (

bayScheduleID integer PRIMARY KEY AUTOINCREMENT,

date date(10) NOT NULL,

time time(12) NOT NULL,

type varchar(25) NOT NULL,

vehicleID integer NOT NULL,

customerID integer NOT NULL,

mechanicID integer NOT NULL,

bookingID integer NOT NULL,

FOREIGN KEY (vehicleID) REFERENCES vehicle (vehicleID) ON DELETE CASCADE,

FOREIGN KEY (customerID) REFERENCES Customer (customerID) ON DELETE CASCADE,

FOREIGN KEY (mechanicID) REFERENCES mechanic (mechanicID) ON UPDATE NO ACTION,

FOREIGN KEY (bookingID) REFERENCES Bookings (bookingID) ON DELETE CASCADE

);

CREATE TABLE bay (

bayID integer PRIMARY KEY NOT NULL,

bayRemaining integer(5) NOT NULL

);

CREATE TABLE Warranty (

vehicleWarrantyID integer PRIMARY KEY AUTOINCREMENT,

warrantyName varchar(25) NOT NULL,

warranty1stLineAddress varchar(50) NOT NULL,

warrantyCounty varchar(25) NOT NULL,

warrantyPostcode varchar(30) NOT NULL,

vehicleID integer NOT NULL,

FOREIGN KEY (vehicleID) REFERENCES vehicle (vehicleID) ON DELETE CASCADE

);

CREATE TABLE Unpaid (

unpaid varchar(255),

total integer(10),

customerID integer NOT NULL,

FOREIGN KEY (customerID) REFERENCES Customer (customerID) ON DELETE CASCADE

);

CREATE TABLE Track (

trackID integer PRIMARY KEY AUTOINCREMENT,

ordersID integer NOT NULL,

partAdded integer(10) NOT NULL,

partLeftOver integer(10) NOT NULL,

partSold integer(10) NOT NULL,

FOREIGN KEY (ordersID) REFERENCES Orders (ordersID) ON DELETE CASCADE

);

CREATE TABLE TotalCost (

cost integer(10) NOT NULL,

total integer(10) NOT NULL,

bookingID integer NOT NULL,

FOREIGN KEY (bookingID) REFERENCES Bookings (bookingID) ON DELETE CASCADE

);

CREATE TABLE ThirdPartySuppliers (

thirdPartyID integer PRIMARY KEY AUTOINCREMENT,

Firstname varchar(50) NOT NULL,

Lastname varchar(50) NOT NULL,

Phonenumber integer(10) NOT NULL,

addressID integer NOT NULL,

FOREIGN KEY (addressID) REFERENCES Address (ThirdPartyAddressID) ON DELETE CASCADE

);

CREATE TABLE SummaryList (

summaryListID integer PRIMARY KEY AUTOINCREMENT,

ordersID integer NOT NULL,

PartsID integer NOT NULL,

ThirdPartySuppliersID integer,

ordersPartsName varchar(255) NOT NULL,

ordersExpectedDeliveryDate date NOT NULL,

mechanicID integer NOT NULL,

FOREIGN KEY (PartsID) REFERENCES Parts (PartID) ON DELETE NO ACTION,

FOREIGN KEY (ThirdPartySuppliersID) REFERENCES ThirdPartySuppliers (thirdPartyID) ON DELETE CASCADE,

FOREIGN KEY (mechanicID) REFERENCES mechanic (mechanicID) ON DELETE CASCADE,

FOREIGN KEY (ordersID) REFERENCES Orders (ordersID) ON DELETE CASCADE

);

CREATE TABLE Parts (

PartID integer PRIMARY KEY AUTOINCREMENT,

description varchar(255) NOT NULL,

cost integer(10) NOT NULL,

Partname varchar(50) NOT NULL,

partsRemaining integer(10) NOT NULL

);

CREATE TABLE Paid (

paid varchar(255) NOT NULL,

total integer(10) NOT NULL,

customerID integer NOT NULL,

FOREIGN KEY (customerID) REFERENCES Customer (customerID) ON DELETE CASCADE

);

CREATE TABLE Orders (

ordersID integer PRIMARY KEY AUTOINCREMENT,

thirdPartySuppliersID integer NOT NULL,

PartID integer NOT NULL,

MechanicID integer,

expectedDeliveryDate date NOT NULL,

partsName varchar(255) NOT NULL,

partsDescription varchar(255) NOT NULL,

FOREIGN KEY (thirdPartySuppliersID) REFERENCES ThirdPartySuppliers (thirdPartyID) ON DELETE CASCADE,

FOREIGN KEY (MechanicID) REFERENCES mechanic (mechanicID) ON DELETE NO ACTION,

FOREIGN KEY (PartID) REFERENCES Parts (PartID) ON DELETE NO ACTION

);

CREATE TABLE Holidays (

bankholidaydates date(10),

bayScheduleID integer,

Foreign KEY (bayScheduleID) REFERENCES baySchedule (bayScheduleID) ON DELETE NO ACTION

);

CREATE TABLE Failed (

failedID integer PRIMARY KEY AUTOINCREMENT,

commentary varchar(250) NOT NULL,

vehicleID integer NOT NULL,

FOREIGN KEY (vehicleID) REFERENCES vehicle (vehicleID) ON DELETE CASCADE

);

//CREATE TABLE Date (

PartID integer(30) NOT NULL,

RepairsID integer(128) NOT NULL

);

CREATE TABLE Customer (

customerID integer PRIMARY KEY AUTOINCREMENT,

fullname varchar(255) NOT NULL,

firstLineAddress varchar(255) NOT NULL,

customerType varchar(20) NOT NULL,

county varchar(20) NOT NULL,

postcode varchar(20) NOT NULL,

mobileNumber integer(20),

homeNumber integer(20)

);

CREATE TABLE Bookings (

bookingID integer PRIMARY KEY AUTOINCREMENT,

fullname varchar(255) NOT NULL,

address varchar(255) NOT NULL,

previousBookingDate date(10) NOT NULL,

nextBookingDate date(10) NOT NULL,

bayNumber integer(10) NOT NULL

);

CREATE TABLE Address (

ThirdPartyAddressID integer PRIMARY KEY AUTOINCREMENT,

FirstLineAddress varchar(128) NOT NULL,

County varchar(128) NOT NULL,

Postcode varchar(128) NOT NULL

);