Vehicles

VIN: alphanumeric, 17 digits without I, O, Q Type: can only choose values in the list of types Model year: century numeric, range in [1886, 2022]

Manufacturer: can only choose values in the list of manufacturers

Sold: Boolean, sold or unsold List price: 1.25 * sold price Date added: date time format

Color: can only choose values in the list of colors

Model name Description Invoice price

Num of doors: positive integer

Has Driver's Side Back Door: Boolean, yes or no

Drivetrain type: can only choose values in the list (AWD, FWD, RWD, etc.)

Number of cupholders: positive integer

Back seat count: positive integer

Cargo capacity: in tons, must greater than 0 Number of rear axles: positive integer

Roof type

Cargo cover type

Customers

Phone number: numeric 10 digits Email: follow the email format

Tax identification number: numeric 9 digits

First Name
Last Name
Name (Person)
Name (Business)
Contact Name
Contact Title
Address

Sales Activities:

Sold date: date time format, no later than the day of "Date added" in the Vehicle entity

Sold price: > 0.95 * invoice price, except for the adding of owner

Repair Activities:

Start date

End date: date time format, not earlier than the start day

Odometer: positive integer

Labor charges: two decimals; The update cannot be lest han the previous value, except for the update of

owner

Total cost: labor cost + \sum (quanity used of each part used * unit price of each part used) Description

Needs:

Quantity used: positive integer

Parts:

Price: dollar format, two decimals

Number: alphanumeric

Users

First Name Last Name

Name: The name of owner must be "Jaunty Jalopies"

Roles: there is only one owner. And, at the same time, the owner has all other values of roles. Except for

the owner instance, other instances in the logged-in users can only have one role.

Password