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 Events:
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 Events:
Start date
End date: date time format, not earlier than the start day
Odometer: positive integer
Labor charges: two decimals; The update cannot be les than 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)

Needs:
Quantity used: positive integer

Parts:
Price: dollar format, two decimals
Number: alphanumeric

Users
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.