

Lab1 del 1 databas

Vehicle

The distinctive property of a vehicle is the serial#, other properties include if the vehicle have multiple different colors , who is the manufacturer, what year it was manufactured, what drivetrain it utilizes, what model, how many doors (if any) and what engine.

A vehicle via insure can sign an insurance where the insurance must insure a vehicle and have data about the serial#. The insurance must know the serial#.

The insurance includes the price of the insurance, the liability, if its deductible, if there is a discount and the terms where it explains the start and expiration date. With this data you can deduct the Net cost.

The insurance must happen with an agent where a single agent with a distinct agentID can handle multiple insurances. Information about these agents also include if they have multiple different phone#s consisting of a tag and a number, their name and address.

A single vehicle can undergo multiple occasions of service at a service event.

A service event is about the occurrence of when a specific serial# is there(what date and time) what type of event and a description of the event.

A service_event will have to itemize multiple parts of service_items where the service_items are required at a service event.

Each service_item has a distinct item# and a description of the item.

Service_items include multiple parts and multiple parts can include multiple service_items.

The quantity of parts in a service_item are taken into account.

The total cost of a service_item can be calculated with the partID and the quantity

The parts will be sold with a unique partID with their own cost and parttype. One part can compose a part of bigger parts and multiple parts can compose into one part.

With item#, partID and partcost allows the possibility to calculate the total_cost.

Different stations handle different parts via selling them, the same parts can also be sold at different stations.

The station consists of a unique stationID, name, fax, address and a phone.

Multiple service events can happen at the same station. At the station the vehicle will undergo labor. During the vehicles arrival the pick up including the time and date will be registered. The drop off incorporating the time and date will also be taken note off. The total cost of the service event can be derived from the attributes: labor and the total cost of service items.