Vehicle Rental System

Relational schema

* Vehicle (**Vehicle\_ID** , Model , Class , Brand , Current\_Mileage , Current\_Location , Kilometers\_Per\_Maintenance , Number\_Of\_Kilometers , Ownership , Hourly\_Rental\_Rate , Vehicle\_State , Last\_Maintenance\_Mileage).
* Where : Vehicle.Number\_Of\_Kilometers = Current\_Mileage - Last\_Maintenance\_Mileage.
* Customer (**SSN** , E-Mail , Address , First\_Name , Middle\_Name , Last\_Name).
* Customer\_PhoneNumbers (**SSN , PhoneNumber**).

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* + Customer\_PhoneNumbers.SSN references Customer.
* Customer\_PaymentMethods (**SSN , PaymentMethod**).

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* + Customer\_PaymentMethods.SSN references Customer.
* Employee (**Employee\_ID** , Address , First\_Name , Middle\_Name , Last\_Name , Hours\_Per\_Week).
* Employee\_PhoneNumbers (**Employee\_ID , PhoneNumber**).

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* + Employee\_PhoneNumbers.Employee\_ID references Employee.
* Employee\_E-mails (**Employee\_ID , E-mail**).

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* + Employee\_E-mails.Employee\_ID references Employee.
* Location (**Location\_ID** , Max\_Capacity ,Current\_Capacity , Available\_Capacity).
  + Where : Available\_Capacity = Max\_Capacity – Current\_Capacity.
* Insurance\_Company (**Name** , E-mail , Fax\_Number)
* Extras (**Extra\_ID** , Type , Daily\_Rented\_Rate)
* Motorcycle (**ID** , Fuel\_Type)

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* + Motorcycle.ID references vehicle
* E-scooter (**ID** , Battery\_Level)

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* + E-scooter.ID references vehicle
* Rent\_motorcycle(**SSN,ID**, driver\_liscence,Rent\_Type,Rent\_value)

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* + Rent\_motorcycle.SSN refrences customer
  + Rent\_motorcycle.ID refrences Vehicle
* Rent\_Scooter(**SSN,ID**, Rent\_Type,Rent\_Value)

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* + Rent\_Scooter.SSN references customer
  + Rent\_Scooter.ID refrences Vehicle
* Rent\_Extra(**SSN,ID**, Rent\_Value)

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* + Rent\_Extra.SSN references Customer
  + Rent\_Extra.ID references Extra
* Insure (**SSN,ID,Name** ,Insurance\_scheme,Insurance\_Daily\_rate)

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* + Insure.SSN references Customer
  + Insure.ID references Vehicle
  + Insure.Name references Insurance\_company
* Gift(**SNN,ID**,card\_Value)

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* + Gift.SNN references Customer
  + Gift.ID references Employee
* Crash(**SSN,ID,**Crash\_Report)

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* + Crash.SSN references Customer
  + Crash.ID references Vehicle
* Inspect(**Employee,Vehicle** ,Inspection\_report)

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* + Inspect.Employee references Employee
  + Inspect.Vehicle references Vehicle
* Parks(**vehicle\_ID,Location\_ID**)

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* + Parks.vehicle\_ID references Vehicle
  + Parks.location\_ID references Location
* Maintain(**vehicle\_ID,Location\_ID**, maintenance\_report)

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* + Maintain.vehicle\_ID references vehicle
  + Maintain.Location\_ID references Location
* Issue (**Location\_ID ,SSN,Name**, Custome\_Bill,Insurance\_Bill)

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* + Issue.Location\_ID references Location
  + Issue.SSN references Customer
  + Issue.Name references Insurance\_Company