Entities

//strong entities

Vehicle (

License\_Plate\_Number: string (9),

Home\_Base: string (50),

Car\_Type: enum,

Number\_of\_Seats: integer (1),

Engine\_Size: float,

Engine\_Type: string (50),

Cost\_per\_day: decimal (10, 2),

Current\_Location: string (50),

Picture: binary object

)

Customer (

Mobile\_Number: integer (11),

Date\_of\_Birth: date,

Age: integer (3),

Home\_Address: string (50),

Email: string (50),

Name: enum,

Driving\_License\_Details: ??? //dunno what you mean

)

//weak entities

Booking (

Booking\_ID: string (50),

Location: enum,

Insurance\_Extras: ???, //dunno what you mean

Rental\_Date: date, //assume date of booking needed

Rental\_Length: integer ???, //assume an int to represent days booked

Price: decimal (10, 2),

\*License\_Plate\_Number: string (9),

\*Mobile\_Number: integer (11)

)

Servicing\_Details (

Service\_ID: string (50),

Start\_date: date,

End date: date,

\*License\_Plate\_Number: string (9)

)

Attributes

Customer.Name (

First\_Name: string (50),

Last\_Name: string (50)

)

Vehicle.Car\_Type (

Small\_Town\_Car,

Family\_Car,

MPY\_7\_seater,

Sports\_Car,

Luxury,

Mini-Vans

)

Booking.Location (

Start\_Location: string (50),

End\_Location: string (50)

)

Relationships

Vehicle-to-Servicing\_Details (

One-to-Many from Vehicle-to- Servicing\_Details,

License\_Plate\_Number FK in Servicing\_Details table

reference License\_Plate\_Number PK in Vehicle

)

Vehicle-to-Booking (

One-to-Many from Vehicle-to-Booking,

License\_Plate\_Number FK in Booking table

references License\_Plate\_Number PK in Vehicle

)

Customer-to-Booking (

One-to-Many from Customer-to-Booking,

Mobile\_Number FK in Booking table

references Mobile\_Number PK in Customer

)