ER Diagram

Dealer — attributes: name, dealer_id, address (State, City, Street, Pin)

Dealer —1— **has** —N— **SalesPersons** (employee_id, FName, LName, Name)

generate_invoice (date, amount) — 1(salesman), 1, 1(Vehicle), 1(Buyer)

Bike — attributes: make, model, reg_no, y_o_m, VID, chassis_no

Bike —1— **serviced_by** —N— **Service/Service Ticket** (date_del, date_rec, service_ticket_number)

seeks — 1 ... N

Customer — attributes: address, phone_no, email, customer_id, f_name, l_name

uses — 1, N, No (qty), 1

Parts — attributes: Part_id, description, price

assigned_to — N ... 1

Service Manager — attributes: Dealer_id, f_name, l_name, no_bikes_serviced

Relational Schema

service manager

PK	employee_id
	FName
	LName
	no_bikes_serviced

Parts

PK	part_id
	description
	price

Service/Service ticket

PK	service_tciket_number
	date_del
	date_rec

Dealer

PK	dealer_id
	Address

Salesperson

PK	employee_id
	FName
	LName

bike

PK	regn_no
	make
	y_o_m
	model
	VID
	chassis_no

Customer

PK	customer_id
	FName
	LName
	Email
	Phone_no
	Address

Train entity attributes: Availibility, Source, Train Name, Destination, Train Type, Train No

Has (1 / (1,5)) — relationship between Train and Compartment (N / (1,1))

Compartment entity attributes: Type, Capacity, Availibility, Compartment Number

Has — relationship between Train (1) and Route Info (N)

Route Info entity attributes: From Station No, To Station No, From Station Name, To Station Name, Distance

Checks — relationship (N / M), Date Time Stamp

User entity attributes: LName, FName, Name, DOB, Age, User Id, Phone, PINCODE, Street No, Address, User Type

Passenger info attributes: Name, Seat no, Age

Cancels — relationship (1 / N)

Books — relationship (1 / N)

TICKET entity attributes: PNR, Age, Travel Date, Departure, Arrival, Compartment type, Compartment No, Arrival Time, Departure Time, Train no

Has — relationship between TICKET (1) and PAYMENT INFO (1)

Uses — relationship (M / 1) between TICKET and FARE TABLE

PAYMENT INFO entity attributes: Transaction Number, Price, Card No, Bank

FARE TABLE entity attributes: FarePerKM, Compartment Type, Train Type