customers

PK	customer_id	SERIAL
	address	VARCHAR(150)
	phone1	VARCHAR(20)
	phone2	VARCHAR(20)
	email	VARCHAR(75)
	first_name	VARCHAR(100)
	last_name	VARCHAR(100)

inventory_parts

PK	part_id	SERIAL
	manufacturer	VARCHAR(100)
	OEM	BIT
	OEM+	BIT
	aftermarket	BIT

invoices

PK	invoice_id	SERIAL
FK	salesperson_id	Integer
FK	serial_number	Integer
FK	car_id	Integer
FK	tech_id	Integer
FK	part_id	Integer
	date	DATE(current date)
FK	customer_id	Integer
	estimate	NUMERIC(7,2)
	subtotal	NUMERIC(7,2)
	total	NUMERIC(7,2)
	work_done	VARCHAR(1000)

cars

PK	car_id	SERIAL
FK	customer_id	Integer
FK	salesperson_id	Integer
	manufacturer	VARCHAR(100)
	year	NUMERIC(4)
	model	VARCHAR(100)
	category	VARCHAR(20)
FK	serial_number	VARCHAR(100)

salespeople

PK	salesperson_id	SERIAL
	address	VARCHAR(150)
	phone1	VARCHAR(20)
	phone2	VARCHAR(20)
	email	VARCHAR(75)
	first_name	VARCHAR(100)
	last_name	VARCHAR(100)

technicians

PK	tech_id	SERIAL
	first_name	VARCHAR(100)
	last_name	VARCHAR(100)
	phone1	VARCHAR(20)
	phone2	VARCHAR(20)
	email	VARCHAR(75)
	address	VARCHAR(150)

service_history

PK	serial_number	VARCHAR(100)
FK	customer_id	Integer
	date	DATE(current date)
	work_done	VARCHAR(1000)
FK	tech_id	SERIAL

Notes

customers to cars	customer can buy many cars, but each car purchased by only 1 customer
invoices to cars	1 invoice per car, many cars in invoice table, not every invoice will have a car_id
cars to service_history	1 car can have zero or many records in table
customers to service_history	a customer can appear zero or many times in service_history
customers to cars	a customer need not buy a car to be a customer (1 to zero/many)
technicians to invoices	each technician will appear many times in invoices (1 to zero/many), but not in every one
parts to invoices	a part will appear zero or many times invoices (1 to 0 or many)
salespeople to invoices	an invoice_id will appear once in each table (1 to 1)
salespeople to cars	a salesperson will appear once in salespeople and many times in cars
customers to invoices	a customer will appear 1 or multiple times in invoices (1 to 1/many)
service_history to cars	zero or one service history per car
service_history to techs	each tech will appear many times in service history