car		
Primary Key	car_id	SERIAL
	make	VARCHAR(50)
	model	VARCHAR(50)
	model_year	VARCHAR (4)
	color	VARCHAR(10)

car/customer: There is a one to many relationship between the customer and car chart becuase one customer can purchase multiple cars. So one customer\_id can be associated with multiple car\_ids.

	customer		
Primary Key	customer_id	SERIAL	
	first_name	VARCHAR(25)	
	last_name	VARCHAR(25)	
	phone_num	VARCHAR(20)	
	email_address	VARCHAR(50)	
Foreign Key (car)	car_id	INTEGER	

customer/service history: There is a relationship between customer and service history. One customer can have many service histories/service ticket id

service history			
Primary Key	service_ticket_id	SERIAL	
	service_date	VARCHAR(10)	
Foreign Key (customer)	customer_id	INTEGER	
Foreign Key (mechanic)	mechanic_id	INTEGER	
Foreign Key (car)	car_id	INTEGER	

car/service history: There is a relationship between the car and service history chart because each service\_ticket\_id is associated with a unique car\_id. There is a one to many relationship because one car may be associated with many service\_ticket\_ids due to the possibility of multiple service appointments.

salesperson		
Primary Key	employee_id	SERIAL
	first_name	VARCHAR(25)
	last_name	VARCHAR (25)
	phone_num	VARCHAR (25)
	email_address	VARCHAR (25)

salesperson/ purchase history: There is a one to many relationship between salesperson and purchase history because one salesperson can sell many cars and in turn one employee\_id can be associated with multiple invoice\_num. The opposite is not true since multple saeleperson cannot sell one car.

purchase history		
Primary Key	invoice_num	SERIAL
	purchase_date	VARCHAR (25)
Foreign Key ( car)	car_id	INTEGER
Foreign Key (salesperson)	employee_id	INTEGER
Foreign Key (customer)	customer_id	INTEGER

car/purchase history: There is a one to one relationship between car and purchase history. Each car (car\_id) is asscociated with only one purchase history( invoice\_num) and vice versa.

customer/purchase history: There is a one to many relationship between customer and purchase history because one customer(customer\_id) can be associated with many purchase histories (invoice\_num)

mehcanic		
Primary Key	mechanic_id	SERIAL
	first_name	VARCHAR(25)
	last_name	VARCHAR(25)
	phone_num	VARCHAR(25)
	email_address	VARCHAR (50)

There is a one to many relationship between the mechanic chart and the service history chart becuase one mchanic can be ssociated wth multiple service\_ticket\_ids due to doing mupltiple repairs/services.