Customer (<u>id</u>, national_id, first_name, last_name, phone_number, birthday, city, customer_address, postal_code, <u>agency_id</u>)

Agency (<u>id</u>, agency_name, city, agency_address, telephone)

Vehicle (<u>id</u>, vehicle_name, class_code, color, options)

SalePlan (<u>id</u>, start_time, end_time, sale_type, description)

// sale_type is enum of 'presale' and 'normal'

VehicleForSale (<u>id</u>, <u>sale_id</u>, <u>vehicle_id</u>, available, deliver_date)

Checks (id, vehicle for sale id, due_time, price)

Contract (<u>id</u>, <u>customer id</u>, <u>vehicle for sale id</u>, <u>assign_time</u>, insurance)

Transaction (id, customer_id, check_id, assign_time)

Customer

Attribute	Type	PK	FK	Unique	Nullable	Default	Constraints
id	integer	Υ		Υ			1 - ∞
national_id	integer			Υ			length = 10
first_name	string						2 <length<15< td=""></length<15<>
last_name	string						2 <length<15< td=""></length<15<>
phone_number	integer			Υ			IR Phone regex
birthday	string						< '2002-01-01'
city	string						
customer_address	string						10 <length<100< td=""></length<100<>
postal_code	integer			Υ			length = 10
agency_id	integer		Agency(id)				1 - ∞

Agency

Attribute	Type	PK	FK	Unique	Nullable	Default	Constraints
id	integer	Υ		Υ			1 - ∞
agency_name	string						2 <length<20< td=""></length<20<>
city	string						
agency_address	string						10 <length<100< td=""></length<100<>
telephone	integer			Υ			IR Phone regex

Vehicle

Attribute	Type	PK	FK	Unique	Nullable	Default	Constraints
id	integer	Υ		Υ			1 - ∞
vehicle_name	string						
class_code	integer						
color	string						Hex color code
options	string				Υ		

SalePlan

Attribute	Type	PK	FK	Unique	Nullable	Default	Constraints
id	integer	Υ		Υ			1 - ∞
start_time	string						Time Stamp
end_time	string						Time Stamp
type	string						2 Type of sales
description	string				Υ	'Sale'	length < 100

VehicleForSale

Attribute	Туре	PK	FK	Unique	Nullable	Default	Constraints
id	integer	Υ		Υ			1 - ∞
sale_id	integer		SalePlan(id)	V			1 - ∞
vehicle_id	integer		Vehicle(id)	Y			1 - ∞
available	integer				Υ	0	not negative
deliver_date	String						Date Type

Checks

Attribute	Type	PK	FK	Unique	Nullable	Default	Constraints
id	integer	Υ		Υ			1 - ∞
vehicle_for_sale_id	integer		VehicleForSale(id)				1 - ∞
due_time	string						Time Stamp
price	integer						

Contract

Attribute	Type	PK	FK	Unique	Nullable	Default	Constraints
id	integer	Υ		Υ			1 - ∞
customer_id	integer		Customer(id)	V			1 - ∞
vehicle_for_sale_id	integer		VehicleForSale(id)	Y			1 - ∞
assign_time	string				Υ	Now	Time Stamp
insurance	string				Υ	null	

Transaction

Attribute	Туре	PK	FK	Unique	Nullable	Default	Constraints
id	integer	Υ		Υ			1 - ∞
customer_id	string		Customer(id)	V			1 - ∞
check_id	string		Checks(id)	ĭ			1 - ∞
assign_time	string				Y	Now	Time Stamp