Joseph Christian

DTSC660: Data and Database Management with SQL
Fall I 2022
Assignment 2
Logistics Company Database Schema Diagram

Relational Database Schema Diagram Summary Statistics:

Number of Tables:	12
Number of Foreign Key Constraints:	20
Number of Primary Key Attributes:	16
List the number of attributes present in each table in alphabetical order of tables (i.e. 6, 14, 3, …, 8):	13, 4, 3, 3, 3, 3, 4, 10, 9, 16, 11, 9
Total Number of Attributes:	88

customer_email

PK, FK	customer_ID	INTEGER
PK	email	VARCHAR
	email_type	VARCHAR

customer_contact_numbers

PK, FK	customer_ID	INTEGER
PK	phone_number	INTEGER
	phone_type	VARCHAR

customers

PK	customer_ID	INTEGER
	customer_name	VARCHAR
	business_name	VARCHAR
	customer_notes	VARCHAR

drivers

PK	driver_ID	INTEGER
	driver_license_number	VARCHAR
	ssn	INTEGER
	first_name	VARCHAR
	last_name	VARCHAR
	address	VARCHAR
	contact_number	VARCHAR
	email	VARCHAR
	start_date	DATE
	hourly_rate	MONEY

shipments

PK	shipment_ID	INTEGER
	pickup_date	DATE
	pickup_time	TIME
	delivery_date	DATE
	delivery_time	TIME
	billed_date	DATE
	paid_date	DATE
	commodity	VARCHAR
	shipment_notes	VARCHAR
FK	sales_ID	INTEGER
FK	customer_ID	INTEGER
FK	driver_ID_1	INTEGER
FK	driver_ID_2	INTEGER
FK	trailer_ID_1	INTEGER
FK	trailer_ID_2	INTEGER
FK	tractor_ID	INTEGER

addresses

PK	address_ID	INTEGER
	address_line_1	VARCHAR
	address_line_2	VARCHAR
	city	VARCHAR
	state	VARCHAR
	zipcode	INTEGER
	country	VARCHAR
FK	customer_ID	INTEGER
FK	driver_ID	INTEGER
FK	shipment_ID_origin	INTEGER
FK	shipment_ID_destination	INTEGER
FK	sales_ID	INTEGER
FK	contractor_ID	INTEGER

sales_persons

PK	sales_ID	INTEGER
	ssn	INTEGER
	first_name	VARCHAR
	last_name	VARCHAR
	SP_contact_number	VARCHAR
	email	VARCHAR
	start_date	DATE
	salary	MONEY
FK	manager_ID	INTEGER

contractor_contact_numbers

PK, FK	contractor_ID	INTEGER
PK	phone_number	INTEGER
	phone_type	VARCHAR

contractor_email

PK, FK	contractor_ID	INTEGER
PK	email	VARCHAR
	email type	VARCHAR

trailers

PK	trailer_ID	INTEGER
	make	VARCHAR
	make_year	INTEGER
	model	VARCHAR
	trailer_DOT_number	INTEGER
	trailer_length	VARCHAR
	trailer_group	VARCHAR
	last_inspected	DATE
FK	contractor_ID	INTEGER

tractors

PK	tractor_ID	INTEGER
	make	VARCHAR
	make_year	INTEGER
	model	VARCHAR
	license_tag	INTEGER
	license_tag_state	VARCHAR
	tractor_DOT_number	INTEGER
	last_inspected	DATE
	mileage	INTEGER
	mileage_date	DATE
FK	contractor_ID	INTEGER

contractors

PK	contractor_ID	INTEGER
	first_name	VARCHAR
	last_name	VARCHAR
	address	VARCHAR