Project Report

The given code in the database schema creates tables for the entities of the online cab booking system whose database we are creating.

The "admin" table stores information about the administrators of the ride-sharing application, including first name, middle name, last name, email, and password.

The "rider" table stores information about the riders of the ride-sharing application, including rider ID, first name, middle name, last name, contact, and email.
The primary key of the table is a combination of rider ID, contact, and email.

The "driver" table stores information about the drivers of the ride-sharing application, including driver ID, first name, middle name, last name, contact, and license.
The primary key of the table is a combination of driver ID, contact, and license.

The "vehicle" table stores information about the vehicles used in the ride-sharing application, including vehicle ID, brand, vehicle type, model, seating capacity, plate number, and rider ID.
The primary key of the table is a combination of vehicle ID and plate number.
There is also a foreign key constraint between the "vehicle" table and the "rider" table, with the "rider_id" in the "vehicle" table referencing the "rider_id" in the "rider" table.

The "trip" table stores information about the trips made by riders in the ride-sharing application, including trip ID, pickup location, drop-off location, fare, driver ID, and rider ID.
The primary key of the table is trip ID.
There are also foreign key constraints between the "trip" table and the "driver" and "rider" tables, with the "driver_id" and "rider_id" in the "trip" table referencing the "driver_id" and "rider_id" in the "driver" and "rider" tables, respectively.

The "payment" table stores information about the payments made by riders for their trips, including payment ID, method, amount, rider ID, and trip ID.
The primary key of the table is payment ID.
There are also foreign key constraints between the "payment" table and the "rider" and "trip" tables, with the "rider_id" and "trip_id" in the "payment" table referencing the "rider_id" and "trip_id" in the "rider" and "trip" tables, respectively.

After creating the tables, the code inserts data into the "admin" table and

modifies the data type of the "contact" column in the "rider" and "driver" tables.
The code then inserts data into the "driver" and "rider" tables, and the "vehicle", "trip", and "payment" tables.
The code then selects all data from each table, and finally deletes data from each table.

The data of random users is taken from mockaroo.com.