Database Management Systems

Develop a database for a flight plan management system where the passenger maintains a profile containing the profile id, password, Name, date of birth, address, mobile number & email. Each passenger pays for the ticket using the credit card details that is maintained separately. Credit Card details include the card number, issuer and the expiry period of the card. A passenger may book tickets for a flight containing the unique ticket no, departure date and class. A flight is identified by its ID and includes info like the arrival and departure date time as well as the total seats and booked seats. A flight schedule is created using the flight details and denotes if there is any delay.

1. Create a trigger to update booked seats of Flight, when a passenger books a ticket.

2. Write a trigger to create an entry in the flight schedule table when a new flight detail is added.

3. Create a trigger to create an entry in Credit Card table when a new passenger creates his profile.

4. Create a trigger to delete the details of credit card when a passenger profile info is deleted.