

DATABASE SCHEMA FOR REDBUS

Scope: redbus provides a facility to book a bus which makes traveling easier. A user can register and book a bus whenever needed and pay via online using the 4 available payment methods.

Features:

The whole system has mainly 2 features:

1. Making the services available (system or admin side)

In this part we mainly concentrate on the bus table holding basic bus information, driver table holding driver information, and travel schedule table which holds the travel schedule i.e which bus will be driven by which driver because one bus can be driven by many drivers based on the time slot, as well as one driver can drive multiple buses based on schedule hence separate table is needed to map both the tables.

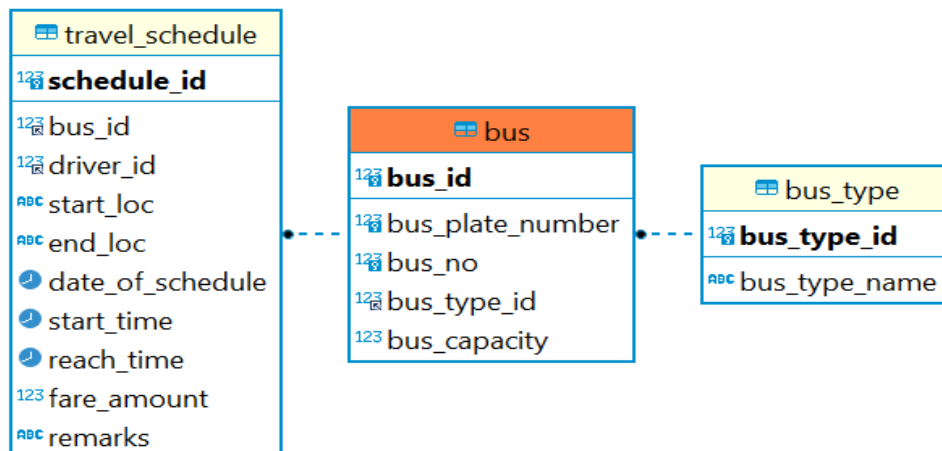
2. Availing the service (customer side)

This part consists of the customer related tables that consists of booking tables to book any no of seats to desired destination from specific source stop and payment status indicating if the user has made online payment or he is yet to pay.

Tables

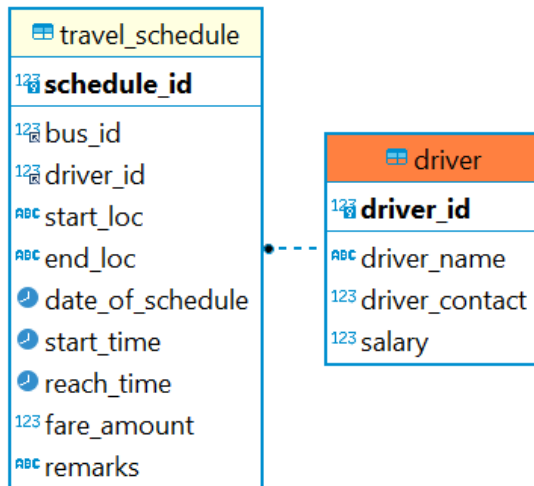
1. Bus - primary key(bus_id)

Contains basic information about bus including bus capacity, bus type, number plate

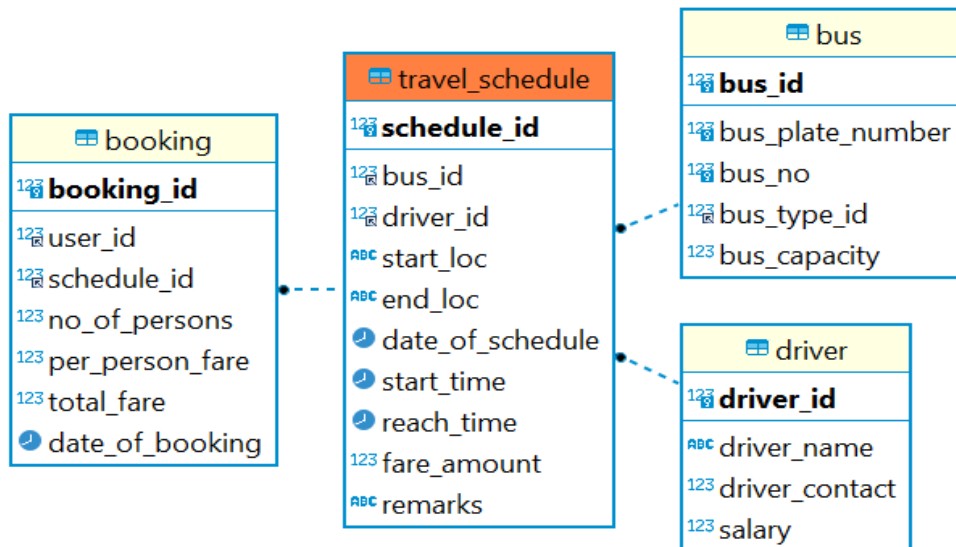


2. Driver - primary key(driver_id)

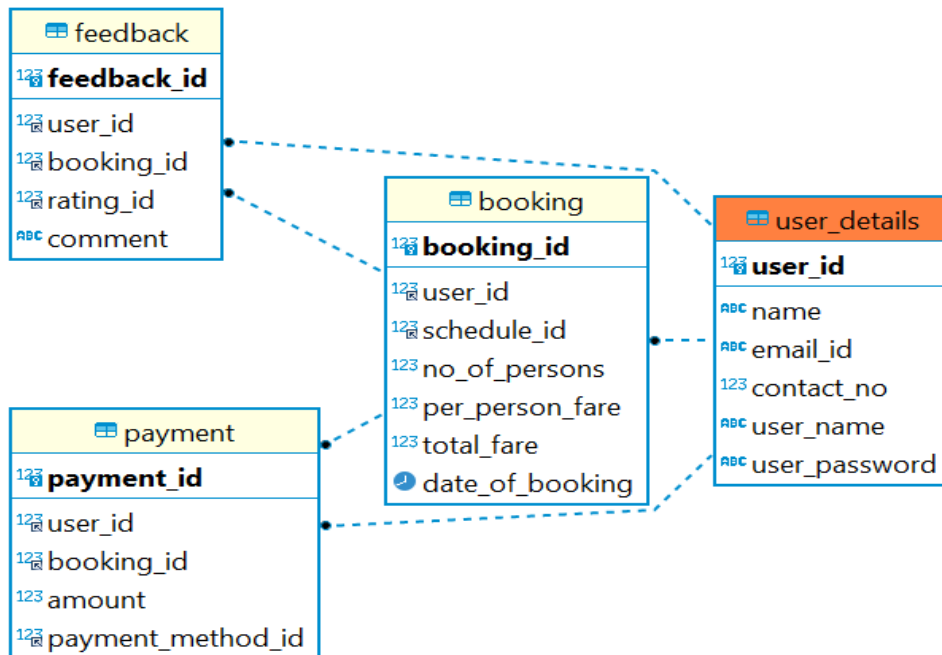
Contains basic information about driver like driver personal details and salary



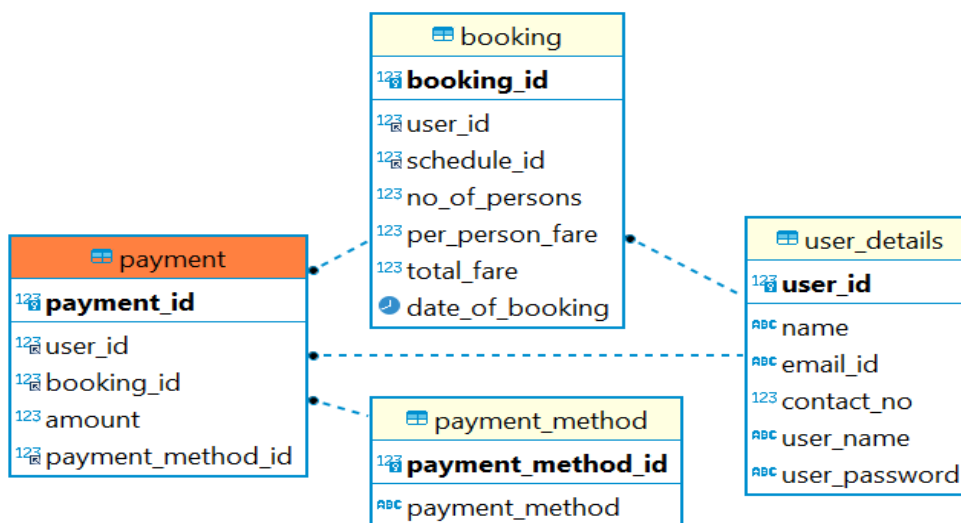
3. Travel schedule - primary key(driver_id),foreignkey(bus_id,diver_id)
 This table maps both bus and driver table together i.e it says which driver drives a particular bus, source, destination, date of departure and arrival



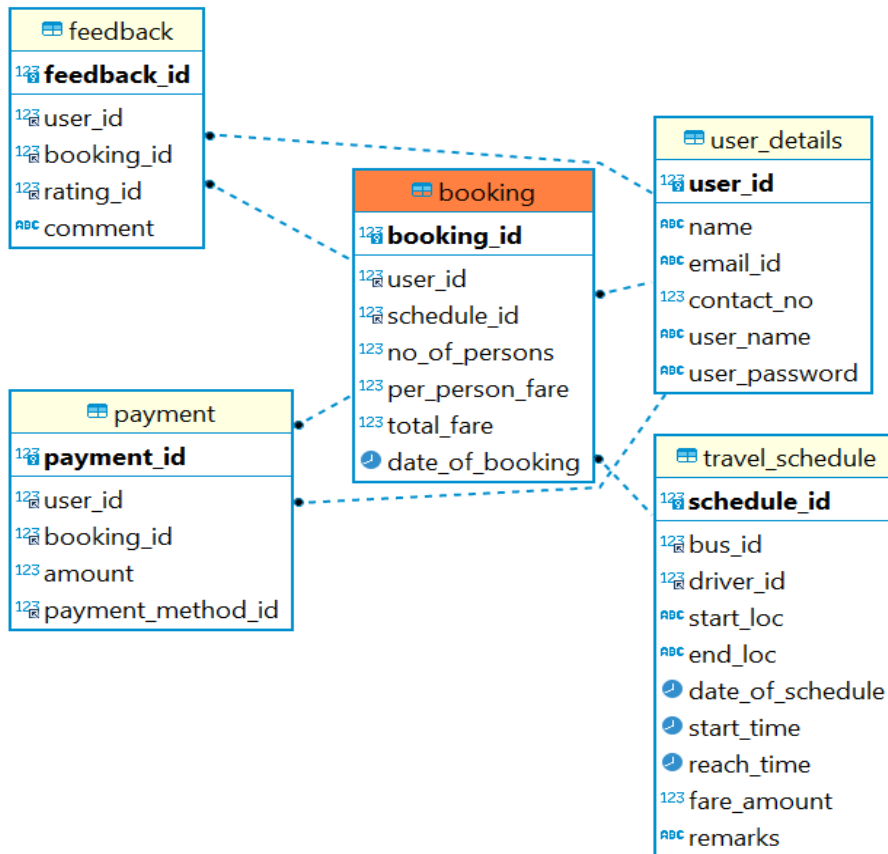
4. User details - primary key(user_id)
 Stores the basic details of user when a user registers themselves on website



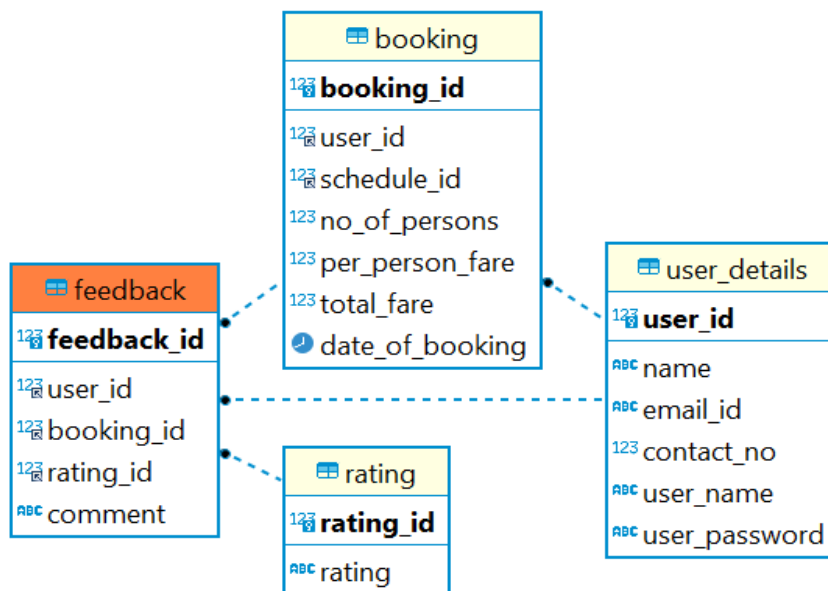
5. Payment - primary key(payment_id),foreignkey(booking id)
Contains information about payment of particular booking or ride



6. Booking - primary key(booking_id)
Contains information about booking trip like no of seats, fare amount, total amount etc



7. feedback - primary key(feedback_id),foreignkey(booking id)
Stores information about review or experience of ride



Meta Tables

1. Bus type
information about type of bus like ac or non ac
2. Rating
1 to 5 star rating radio button could be mapped with this table
3. Payment method
Various methods like upi, credit card, debit card etc