

BUS BOOKING APPLICATION - DATABASE DESIGN

I am going to develop the application for "Bus Booking System". So, based upon the system, I have designed the database for several fields in the system.

The following will show the tables for the system,

- * Application_Account
- * From_To_Route
- * To_From_Route
- * Travels
- * Bus_Details
- * Availability
- * Booking
- * Cancellation
- * Customer_details

Database Design

Applicant - Account

S.NO	Username	(Unique) Password	Contact - NO
1.	Kaushikyan	1234	7092301226.

In this database we can store the login details and with the help of this DB we can use for signup.

Route From - TO :

S.NO	(Foreign Key) Route - ID	From	TO
1.	101	Chennai	Kumbakonam.

This stores the from, to places with route ID. Here route-ID is foreign key.

Route TO - From :

S.NO	Foreign Key. R - ID	From TO	From.
1.	001	Kumbakonam	Chennai

This will store the to, from places with route ID. Route-ID is foreign key.

TRAVELS

S.NO	(Foreign key) Tr_ID	T_Name	T.C.NO
1.	100001	Pareveen Travels	24980155

This database will store the travels details.

Bus Details

S.NO	Foreign key Bus_ID	R_ID	T_ID	Bus_NO	No. of Seats	Timings
1.	2201	101	10001	TN 01 BN 0401	25	1:30 PM

This will store the bus details. This table will refer the travels and route ID in the respected tables.

AVAILABILITY

S.NO	Bus_ID	Seat_NO

This table will store details of the availability based on the Bus ID.

Booking.

S.NO	(F) Bus-ID	(F) Seat-NO	(F) R-ID	Timings	Date
					Type.

This database will refer all the foreign keys of the respected table. And, it will store the booking details.

CANCELLATION.

S.NO	Bus-ID	Seat-NO	R-ID.

This database will store the ^{make} cancellation details and it will update in the respected databases.