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| Colorful closeup photo of semiconductor elements | Bus Ticket Booking System  A database to handle online bus ticket booking system.   |  | | --- | |  | |  |   [Raj Thakkar]  [Deep Parmar]  [Hardik Niranjani]  [Preet Gandhi]  [Dilip Kumavat] |

# Description

* Now that our lives are getting more and more hectic, everyone wants a feasible way to do things. And what’s more feasible than making things possible online, right? So, here’s an online bus ticket booking system that takes care of your bus ticket booking without having to go all the way to the ticket booking counter and standing in a line for an hour. This database system includes all the possible scenarios from bus schedule information to booked ticket details. The online bus ticket booking system table details are as following.

## Tables

##### USER\_INFO

* It contains user information which is user’s first name, last name, contact number, email address, gender, date of birth and the city they live in. It also takes a value to set their user login password and gives each user a unique user id automatically.

##### Bus

##### It contains bus information including bus plate number, bus type, AC type to check if the bus has AC or not and total seats available in that bus. It also generates a unique bus id.

##### **Seat**

* The Seat table contains details of each seat type, seat status and deck type. The seat type tells us whether the seat is seater or sleeper. Deck type column tells us whether the seat is on upper deck or lower deck. The seat table references bus table using bus id available in both tables.

##### Driver

* It contains details of driver’s first & last name and his/her contact number. It generates unique driver id and references to bus table.

##### **Travel schedule**

* Travel schedule is used to display schedule information to the user. It contains schedule id which is auto generated, bus id and driver id which references bus details and driver details, source & starting point that is source location from where journey is going to be start, destination & destination point which will contain destination detail, departure time & departure date, ticket price, available seats in a particular bus and bus rating for each bus.

##### **Passengers**

* It contains passenger’s first name, last name, age, gender, vaccination status and their seat number. It also references seat table, user table and bus table.

##### **Tickets**

* Tickets table contains auto generated ticket id, schedule id which references travel schedule table, booked seat by a particular user, ticket price according to their seat and bus preference, insurance and auto generated total cost.

##### **Payment**

* It contains an auto generated payment id, payment type, payment number and ticket id & user id which references ticket table and user table.

##### **Booking details**

* Booking details table contains auto generated booking detail id, booking date and booking status. It also contains payment id, schedule id and user id which references payment table, travel schedule table and user table.

##### **Cancellation**

* This table contains auto generated cancellation id, ticket id and booking detail id which references ticket table and booking details table to cancel a ticket and make changes accordingly in other tables.

##### **Object Master**

* Object master table contains object type id which is auto generated and object type name which are gender, deck type, seat type, bus type, payment type and cities.

##### **Object**

* Object table auto generated object id, type id of object master table and object names which are inputs for object type names.

##### **Sub\_Location**

* Now sub location table contains auto generated location id, location object id which references object id in object table location name which takes sub locations of individual cities as input. This table is purely used to select starting point and destination point of the journy.