

## DATABASE:-BUS RESERVATION SYSTEM

Table:- UserLogin

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
UserId	int(10)	Primary Key
MobileNo	int(10)	Unique, Not Null
Email	varchar(30)	Unique
Password	varchar(15)	Not Null

Table:- Ticket

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
UserId	int(10)	Foreign Key
BusId	int(5)	Foreign Key
BoardingPointId	int(5)	Not Null
PlaceId	int(5)	Not Null
PaymentId	int(10)	Unique

**PlaceId** is the destination where the user wants to go.

Table:- PeopleAccompanyingUser

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
UserId	int(10)	Foreign Key
BusId	int(5)	Foreign Key
Name	varchar(20)	Not Null
Age	int(3)	Not Null
Gender	varchar(10)	Not Null
BusSeatNo	varchar(3)	Not Null

Table:- BusDetail

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
BusId	int(5)	Primary Key
Bname	varchar(30)	
BusTypeId	int(5)	Foreign Key
TotalSeat	int(3)	Not Null
BoardingCityId	int(5)	Foreign Key
BusDriverId	int(5)	Foreign Key
CostPerSeat	int(6)	Not Null

### Table:- BusType

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
BusTypeId	int(5)	Primary key
TypeName	varchar(30)	Not Null

### Table:- BusRoute

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
BusId	int(5)	Composite Key
PlaceId	int(5)	Composite Key
PlaceName	varchar(30)	Not Null
ArrivalDate	date	Not Null
ArrivalTime	time	Not Null
DepartureTime	time	Not Null

### Table:- BoardingCity

**There is only one boarding city with different boarding points in that city per bus journey.**

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
BoardingCityId	int(5)	Primary Key
BoardingCityName	varchar(30)	Not Null

Table:- BoardingPoint

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
BoardingCityId	int(5)	Composite Key
BoardingPointId	int(5)	Composite Key
BoardingPointName	varchar(30)	Not Null

Table:- Payment

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
PaymentId	int(10)	Primary Key
TotalSeat	int(2)	Not Null
Tax	int(4)	Not Null
TotalCost	int(6)	Not Null
PaymentMethodId	int(5)	Foreign Key

Table:- PaymentMethod

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
PaymentMethodId	int(5)	Primary Key
PaymentMethodName	varchar(20)	Not Null

Table:- CancellationRefund

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
UserId	int(10)	Foreign Key
BusId	int(5)	Foreign Key
RefundAmount	int(6)	Not Null

Table:- BusDriver

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
BusDriverId	int(5)	Primary Key
DriverName	varchar(30)	
PhoneNo	int(10)	Unique
Address	varchar(50)	
Email	varchar(30)	Unique
AlternatePno	int(10)	

Table: - AdminLogin

<u>Attributes</u>	<u>Datatype</u>	<u>Constraints</u>
AdminId	int(10)	Primary Key
AdminName	varchar(30)	
AdminMobileNo	int(10)	Unique, Not Null

AdminEmail	varchar(30)	Unique
AdminPassword	varchar(15)	Not Null