Database Design - Online Car Rental System

1. Login

Primary Key: Id

Datafield	Datatype	Constraint	Description
Id	int(5)	Primary Key	Login id
Email	varchar(20)	NotNull	Email-id for login
Password	varchar(15)	NotNull	Password for login
Type	varchar(20)	NotNull	Type of user

2. Userregstr_table

Primary Key: Userid
Foreign Key: Id, Cityid

Datafied	Datatype	Constraint	Description
Userid	int(5)	Primary Key	User id
Id	int(5)	Foreign Key	Id referenced from login table
Fname	varchar(20)	NotNull	Full Name
Cityid	varchar(20)	Foreign Key	Cityid referenced from City_table
Gender	varchar(10)	NotNull	Gender
Dob	date	NotNull	Date of birth
Hname	varchar(20)	NotNull	House name
Pin	int(10)	NotNull	Pin code
Phone	int(10)	NotNull	Phone number
Status	varchar(15)	NotNull	Whether the user booked a car

3. Driverregstr_table

Primary Key: Driverid
Foreign Key: Cityid, Id

Datafield	Datatype	Constraint	Description
Driverid	int(5)	Primary Key	Driver id
Fname	varchar(40)	NotNull	Full Name
Cityid	varchar(20)	Foreign Key	Cityid referenced from city_table
Gender	varchar(10)	NotNull	Gender
Dob	date	NotNull	Date of birth
Hname	varchar(20)	NotNull	House Name
Pin	int(10)	NotNull	Pin code
Phone	int(10)	NotNull	Phone number
License	text	NotNull	License details
Status	varchar(10)	NotNull	Whether driver is approved

4. District_table

Primary Key: Districtid

Datafield	Datatype	Constraint	Description
Districtid	int(5)	Primary Key	District id
Distname	varchar(20)	NotNull	District Name

5. City_table

Primary Key: Cityid
Foreign Key: Districtid

Datafield	Datatype	Constraint	Description
Cityid	int(5)	Primary Key	City id
Districtid	int(5)	Foreign Key	District id referenced from district_table
Citname	varchar(20)	NotNull	City name

6. Booking_table

Primary Key: Bid
Foreign Key: Userid, Driverid

Datafield	Datatype	Constraint	Description
Bid	int(5)	Primary Key	Booking id
Userid	int(5)	Foreign Key	Userid referenced from userregistr_table
Driverid	int(5)	Foreign Key	Driverid refernced from driverregstr_table
Dfrom	date	NotNull	Date from which the car is taken
Dto	date	NotNull	Date to which the car is taken
Duration	varchar(20)	NotNull	Duration of the rent
Status	varchar(10)	NotNull	Status of the rent

7. Cardetails_table

Primary Key: Cid

Datafield	Datatype	Constraint	Description
Cid	int(5)	Primary Key	Car id
Model	varchar(20)	NotNull	Car's model
Seat	int(5)	NotNull	Number of seats
A/c	varchar(20)	NotNull	A/c available or not
Fueltype	varchar(20)	NotNull	Whether it is petrol or diesel
Mileage	varchar(20)	NotNull	Mileage of the car
Status	varchar(10)	NotNull	Available or not

8. Payment_table

Primary Key: Pid
Foreign Key: Bid, Userid, Fname

Datafield	Datatype	Constraint	Description
Pid	Int(5)	Primary Key	Payment id
Bid	int(5)	Foreign Key	Booking id
Userid	int(5)	Foreign Key	Userid referenced from userregistr_table
Fname	Varchar(20)	Foreign Key	Full name of the user
Acno	int(15)	NotNull	Account number of the user
Amount	Float(10)	NotNull	Amount to be paid
Date	date	NotNull	Date from which the payment is done
Status	varchar(10)	NotNull	Status of the payment