Database Proposal: Car Hub

Team Members

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User

The User collection will contain all the registered users. Within each document, it will contain information describing the first name, last name login id, password, phone number, age, and address of the users. The user collection also stores the registered cars of each user. Cars are the sub-collection of the users and will be updated accordingly as more cars are registered by the user.

```
_id: ObjectId("61b4290e04a8f8e803063fbe")
email: "tusharbatla@gmail.com"
password: "$2b$10$gTwpYJCXFdKLnHFWjQngQOoNpxwoXBTjNixucNSUfTFhWgxHt1RHq"
firstName: "tushar"
lastName: "batla"
age: 25
phoneNumber: "5513586195"
role: "user"
∨ address: Object
    number: "272"
    street: "hutton"
    city: "new jersey"
    state: "new jersey"
    zip: "07307"
∨ cars: Array
  ∨ 0: Object
      _id: ObjectId("61b4294104a8f8e803063fbf")
      brandName: "TATA"
      color: "Red"
      number: "MH0641"
      capacity: 4
      rate: 6
      status: null
  › 1: Object
  › 2: Object
```

Name	Type	Description
_id	ObjectId	Globally unique identifier to represent the user
firstName	String	First Name of the user
lastName	String	Last Name of the user
age	Number	Age of the user

phoneNumber	Number	Phone Number of the user
address	Object	Address of the user
email	Number	Login ID or email id of the user
Password (hashed_password)	Number	Password of the user (Encrypted password)
cars	Array	List of cars that are registered for this user
role	String	Role will be user or admin

Cars

Cars are the sub-collection of the users and will be updated accordingly as more cars are registered by the user.

```
v 2: Object
    _id: ObjectId("61b5a560749cf95cd0074b9c")
    brandName: "Nissan"
    color: "red"
    number: "566666"
    capacity: 4
    rate: 5
    status: "APPROVED"
    filename: "/Users/chetanahanmantnirmal/Documents/Chetana/Semester 1/WEB PROGRAMMI..."
```

Name	Type	Description
_id	ObjectId	A global unique identifier to represent a car
brandName	string	Brand name of the car
color	string	Color of the car
number	string	Number of the car
capacity	number	Capacity of the car
rate	number	Price per day
status	String	Status of car (APPROVED or REJECTED)
filename	Object	Documents of the car

Booking

Booking collection stores all the user bookings. A user can book the car and the data related to the booking gets stored in this collection. The booking collection stores the user id, status of the booking and car details.

```
_id: ObjectId("61b431330eacb9c25124162b")
userId: ObjectId("61b4288504a8f8e803063fbc")
bookingStatus: "APPROVED"
∨ car: Object
    _id: ObjectId("61b42b29fcaee63989957c24")
    brandName: "TATA"
    color: "blue"
    number: "MH0644"
    capacity: 5
    status: "APPROVED"
    rate: 6
    startdate: 1639285200000
    enddate: 1640235600000
ownerId: ObjectId("61b4290e04a8f8e803063fbe")
totalCost: 66
creationDate: 1639199027895
```

Name	Type	Description

_id	ObjectId	A globally unique identifier to represent the booking
userID	string	Unique identifier representing the user associated with the car booking
bookingStatus	string	Status of the booking (approved, pending, rejected)
car	Object	Car associated with booking
ownerId	ObjectId	Unique identifier of the car owner
totalCost	number	Total cost of the booking
creationDate	date	Creation date of the car booking

Car: Object of Booking

```
∨ car: Object
    _id: ObjectId("61b42b29fcaee63989957c24")
    brandName: "TATA"
    color: "blue"
    number: "MH0644"
    capacity: 5
    status: "APPROVED"
    rate: 6
    startdate: 1639285200000
    enddate: 1640235600000
```

Name	Type	Description
_id	ObjectId	A global unique identifier to represent a car

brandName	string	Brand name of the car
color	string	Color of the car
number	string	Number of the car
capacity	number	Capacity of the car
status	String	Status of car (APPROVED or REJECTED)
rate	number	Price per day
startDate	date	Start date of the trip
endDate	date	End date of the trip

Question

It will store all the questions asked by users and admin will answer all the questions.

```
_id: ObjectId("61b59c547dcadb4b61495fda")
userId: "61b4288504a8f8e803063fbc"
question: "How carhub works?"
status: "PENDING"
```

Name	Type	Description
_id	ObjectId	A global unique identifier to represent a car
userId	string	Unique identifier representing the user associated with question
question	string	Question asked by the user

status	string	Status of the question (PENDING OR COMPLETED)
answer	String	Answer given by the admin