-----Guest:

Allow guests to browse through the list of available cars without needing to log in.

Implement a user-friendly booking interface where guests can search for cars based on criteria like location,

Allow guests to view details about each car, including photos, specifications, rental rates, availability calendar, Implement a booking form where guests can enter their details (name, contact information, pickup/drop-off location, dates) and confirm their booking.

After booking, provide guests with a confirmation page and send them a confirmation email with booking

details.

-----Host:

Provide hosts with a registration/login system to create and manage their car listings. Implement a dashboard where hosts can add new cars, update existing listings, and manage bookings. Include features for hosts to upload photos, specify rental rates, availability calendar, and additional details

Implement a messaging system where hosts can communicate with guests regarding bookings, availability, and other inquiries.

Allow hosts to review and manage booking requests, including accepting or rejecting bookings and updating availability status.

____Admin:

Provide admins with a separate login portal with access to administrative features.

Implement an admin dashboard for managing users, cars, bookings, and other aspects of the system.

Include features for admins to view and moderate user activity, such as reviewing new car listings before they

are published, resolving disputes between guests and hosts, and handling reported issues.

Implement analytics and reporting tools to track system usage, revenue, and other relevant metrics.

Allow admins to configure system settings, such as rental policies, payment options, and email templates.

For each user role, make sure to implement appropriate authentication and authorization mechanisms to ensure that users can only access features and data relevant to their role. Additionally, consider implementing features like notifications and alerts to keep users informed about important updates and actions related to their account or bookings.

Question - If hosts need to use their cars for personal use or work while they are listed on your platform for rental, you'll need to implement a system that allows hosts to mark their cars as unavailable during specific time periods. Here's how you might manage this in your project:

Visibility to Guests: Ensure that guests browsing the platform can see when a car is unavailable for rental due to the host's personal use. You can display this information on the car listing page or during the booking process to prevent guests from attempting to book cars that are not available.

solution - availability_status in car table host dashborard -> my cars -> make unavaible Filtering: Use the details provided by the user (pickup location, dates, times) to filter the available cars in your database. Only display cars that are available for rental during the specified time period and located near the pickup location.

Sorting: Provide options for users to sort the car listings based on their preferences, such as price, distance, or popularity. This allows users to easily find the cars that best suit their needs.

Car Cards: Display each available car as a card or tile on the listing page. Include essential information about each car, such as the make and model, year, rental price, and any additional features or amenities.

Thumbnail Images: Show thumbnail images of each car to give users a visual representation of their options. High-quality images can help users make informed decisions and create a positive impression of your rental service.

Detailed Information: Allow users to view more detailed information about each car by clicking on its card. This could include additional photos, a description of the car's features, mileage, fuel efficiency, and any special terms or conditions.

Booking Options: Include a prominent "Book Now" or "Reserve" button on each car card, allowing users to initiate the booking process directly from the listing page. Make it easy for users to proceed with booking by guiding them through the next steps, such as providing their contact information and payment details.

Availability Indicators: Clearly indicate the availability of each car for the selected dates and times. Use visual cues, such as color-coded badges or icons, to indicate whether a car is available, partially booked, or fully booked during the specified period.

GUEST TABLE -	HOST TABLE	ADMIN TABLE
guest_id (pk) name email location_id(fk) phone driving license no password	host_id (pk) name email location_id(fk) phone driving license no password	admin_id(pk) name email location_id(fk) phone password

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CARS TABLE-

no of trips location

	CARFEAIUES
car_id (pk)	
host_id(fk)	car_featues_id(pk)
brand/company	car_id(fk)
model	has USB Charger
avaialability_status	has music system
(boolean or enum: available/unavailable)	has bluetooth
fuel type	has power steering
km driven	has airbags
rc no	has abs(automatic breaking system)
seating capacity	has spare tyres
fuel meter	has AC
car image	

PRICING TABLE

pricing_id(pk) car_id(fk) price per hour price per day price per week

LOCATION TABLE---->>>

location_id (Primary Key) latitude longitude

state city area

pincode

country

BOOKING TABLE ---->>>

booking id (Primary Key)

user_id (Foreign Key referencing Users Table)

car_id (Foreign Key referencing Cars Table)

pickup_location pickup_date pickup_time dropoff date

dropoff time

booking status (e.g., confirmed, pending, canceled)

REVIEW TABLE---->>>

review id (Primary Key)

user_id (Foreign Key referencing Users Table) car id (Foreign Key referencing Cars Table)

rating review_text timestamp PAYMENT TABLE ---->>>

payment_id (Primary Key)

booking id (Foreign Key referencing Bookings Table)

amount

payment_date

payment status (e.g., pending, completed)