

-----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, date, model, etc.

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 about their cars.

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 dashboard -> my cars -> make unavailable

CARS TABLE-	CAR FEATURES	PRICING TABLE
car_id (pk)	car_features_id(pk)	pricing_id(pk)
host_id(fk)	car_id(fk)	car_id(fk)
brand/company	has USB Charger	price per hour
model	has music system	price per day
avaialability_status (boolean or enum: available/unavailable)	has bluetooth	price per week
fuel type	has power steering	
km driven	has airbags	
re no	has abs(automatic breaking system)	
seating capacity	has spare tyres	
fuel meter	has AC	
car image		
no of trips		
location		

LOCATION TABLE----->>>

location_id (Primary Key)
latitude
longitude
country
state
city
area
pincode

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)