

Step 1: Technical Requirements

Frontend Requirements

1. **User-friendly interface:**
 - Intuitive design for browsing cars and interacting with rental features.
2. **Responsive design:**
 - Support for mobile and desktop views.
3. **Essential pages:**
 - **Home:** Displays featured cars and search filters (Pickup/Drop-off locations, categories, etc.).
 - **Car Listing:** List of available cars with filters.
 - **Car Details:** Displays details like name, image, ratings, rent per day, fuel capacity, seats, transmission type, interior, and reviews.
 - **Booking Page:** Allows users to confirm rental details, add billing information, and select payment methods.
 - **Confirmation Page:** Shows rental summary and confirmation details.

Backend Requirements with Sanity CMS

1. **Sanity CMS as Database:**
 - Manage car data (e.g., name, image, rent, features, interior, reviews).
 - Store user and booking information (e.g., user details, order summary, billing info).
2. **Schemas to Design:**
 - **Cars Schema:**
 - Fields: Name, Image, Category, Ratings, Rent per day, Fuel capacity, Seats, Transmission type, Interior details, Reviews.
 - **Bookings Schema:**
 - Fields: Pickup location, Drop-off location, Car details, Billing info, Payment status.
 - **User Schema:**
 - Fields: Name, Email, Contact, Rental history.

Third-Party APIs

1. **Shipment Tracking:** Optional for car rental (track car availability).
2. **Payment Gateway:** Integrate APIs like Stripe for secure transactions.
3. **Other APIs:**
 - Geo-location API for finding nearby pickup/drop-off points.

Simple Workflow Diagram for Car Rental Website

