**Car Rental E-Commerce Business - Technical Plan**

**1. Core Features for Car Rental**

***Frontend:***

1. Home Page: Display featured cars, categories, and promotions.

2. Car Listing Page: Filter by car type, brand, or price.

3. Car Details Page: Car specs, pricing, and availability.

4. Booking Page: Form to capture details and add-ons.

5. Checkout Page: Payment and summary.

6. Order Confirmation Page: Confirmation details.

***Backend:***

***1. Sanity CMS:***

- Car Schema: Details about each car.

- Booking Schema: Rental and customer details.

***2. APIs:***

- GET /cars: Fetch all available cars.

- POST /booking: Record a new booking.

***3. Integrations:***

- Payment Gateway: Secure payments.

- SMS/Email Service: Booking confirmations.

**2. System Architecture**

Frontend (Next.js)

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Sanity CMS

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[Car Data API] [Booking API]

**3. Technical Implementation**

***Frontend:***

- Framework: Next.js.

- Styling: Tailwind CSS.

- Components: CarCard, DatePicker, BookingForm.

***Backend:***

1. Sanity Schemas for Car and Booking details.

2. API Endpoints:

- /api/cars: Fetch available cars.

- /api/bookings: Record bookings.

***Integrations:***

- Stripe: Payment processing.

- Twilio: SMS confirmations.

- Mapbox: Display rental office locations.

***Deployment:***

- Frontend: Vercel.

- Backend: Sanity Cloud.

**4. Workflow Example**

***Data Flow:***

***User Flow:***