

# Car Rental E-commerce Platform

## 🌟 Conclusion of day 1 & 2

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🕒 **Slot:** Friday, 7 PM to 10 PM

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## Day 1: Building the Dream

### 1. The Problem We're Solving

- Owning a car is expensive, and renting one is often a headache.
- People waste time dealing with paperwork, hidden fees, and limited options.

### 2. Our Big Idea

- Create a platform where renting a car is **easy, affordable, and stress-free**.

### 3. Who We're Helping?

- **Busy Bees:** Professionals who need a car quickly.
- **Travel Explorers:** Tourists who want reliable rides.
- **Celebration Makers:** Families and individuals who need cars for special events.
- **Business Bosses:** Companies that need cars for work or events.

### 4. What Makes Us Stand Out?

- **No Surprises:** Clear prices with no hidden costs.
- **Quick and Easy:** Book a car online in just a few clicks.
- **Something for Everyone:** From budget cars to eco-friendly options.
- **Always There for You:** 24/7 support to solve any issues.

### 5. How We Did It?

- Talked to users to understand their problems.
- Designed a platform that's simple, fast, and user-friendly.

## Day 2: Turning the Dream into Reality

### 1. The Blueprint (System Architecture)

- **Frontend (What You See):** A clean, easy-to-use website for finding and booking cars.
- **Backend (The Brain):** Sanity CMS stores all the data (cars, users, bookings).
- **Third-Party Helpers:** Tools for payments (Stripe) and tracking deliveries (ShipEngine).

### 2. How It Works? (Step-by-Step)

- **Step 1: Sign-Up**
  - Users create an account.
  - Their info (name, email, phone) is saved securely.
  - They get a message to confirm their account.
- **Step 2: Find Your Ride**
  - Users browse cars with filters (price, type, availability).
  - The website pulls car details from Sanity CMS.
- **Step 3: Book Your Car**
  - Users pick a car, choose dates, and confirm.
  - Booking details are saved in Sanity CMS.
  - Users get a booking confirmation.
- **Step 4: Pay Easily**
  - Users enter payment details (card number, amount).
  - The website sends this info to Stripe for processing.
  - Users get a payment confirmation.
- **Step 5: Track Your Car**
  - If the car is being delivered, users can track its location.
  - Real-time updates come from ShipEngine.

### 3. The Tools We Used (APIs)

- **Get Cars:** GET /cars – Fetches a list of available cars.
- **Create Booking:** POST /bookings – Saves a new booking.
- **Process Payment:** POST /payments – Handles payment for a booking.
- **Track Delivery:** GET /shipment-tracking – Shows real-time delivery updates.

#### 4. How We Store Data (Sanity CMS)

- **Car Details:** Name, type, price, availability, and image.
- **User Info:** Name, email, phone, address, and license.
- **Booking Records:** Car, user, dates, and status.

#### 5. What Makes Us Smart and Unique

- **Sanity CMS:** Flexible and fast for managing data.
- **Third-Party Tools:** Reliable payments and tracking.
- **Scalable Design:** Ready to grow as more users join.

### Why This Matters

- **Day 1:** We built a strong plan to solve real problems and make users happy.
- **Day 2:** We created a solid technical plan with an easy design, smooth steps, and a system that can grow.
- **The Big Win:** We used modern tools to make car rentals **simple, fast, and stress-free**.

### Final Thoughts

This platform isn't just about renting cars—it's about making life easier for everyone. Whether you're a busy professional, a tourist, or a family planning a trip, we've got you covered. With clear prices, easy booking, and 24/7 support, we're here to make car rentals better for everyone.

### Thank You!

We're excited to bring this idea to life and make car rentals a breeze for everyone! 🚗