

Car Rental E-commerce Platform

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Slot: Friday, 7 PM to 10 PM

Day 1 Outcome: Business Plan

1. **What We Want to Achieve:**
 - Solve problems like high car costs and hard rental processes.
 - Offer cheap, flexible, and easy car rentals.
2. **Who Will Use It:**
 - **Busy People:** Need quick and simple rentals.
 - **Tourists:** Want good travel options.
 - **Families and Individuals:** Need cars for special days.
 - **Businesses:** Need cars for events or workers.
3. **What Makes Us Special:**
 - Clear prices with no hidden costs.
 - Easy online booking with less paperwork.
 - Many car options, including eco-friendly cars.
 - 24/7 help for a smooth experience.
4. **How Research Helped:**
 - Learned what users need and what problems they face.
 - Made the platform simple, fast, and easy to use.

Day 2 Outcome: Technical Plan

1. **How the System Works:**
 - **Frontend (What Users See):** Easy-to-use design for finding and booking cars.
 - **Backend (Sanity CMS):** Stores car details, user info, and bookings.
 - **Third-Party Tools:** Handle payments and track car delivery.
2. **Steps Users Follow:**
 - **Sign-Up:**
 - Users create accounts, and their info is saved in Sanity CMS.

- They get a message to confirm their account.
 - **Find Cars:**
 - Users look at cars, and the website gets car details from Sanity CMS.
 - Filters help users find the right car fast.
 - **Book a Car:**
 - Users pick a car, choose dates, and give details.
 - Booking info is saved in Sanity CMS, and users get a confirmation.
 - **Pay:**
 - Users enter payment details (like card number).
 - The website sends this info to a Payment Tool (e.g., Stripe).
 - Users get a confirmation when payment is done.
 - **Track Delivery:**
 - If the car is being delivered, users can see its location and arrival time.
 - This info comes from a Tracking Tool (e.g., ShipEngine).
3. **APIs (Tools for Communication):**
- **Get Cars:** GET /cars – Shows 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. **Sanity CMS (How Data is Stored):**
- **Car Data:** Stores car name, type, price, and if it's available.
 - **User Data:** Stores user name, email, phone, and license.
 - **Booking Data:** Tracks car, user, dates, and booking status.
5. **What's New and Smart:**
- Used Sanity CMS for easy and fast data management.
 - Added third-party tools for payments and tracking to make it reliable.
 - Made a simple system that can grow in the future.

Conclusion

- **Day 1:** Made a strong plan to solve user problems and meet their needs.
- **Day 2:** Built a solid technical plan with an easy design, smooth steps, and a system that can grow.
- **What's Special:** Used modern tools like Sanity CMS and third-party APIs to make the platform easy and reliable.

This platform will make car rentals cheap, simple, and stress-free for everyone!