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DAY #2:

Planning the Technical Foundation

STEP # 02:-

Technical Requirement.

* Frontend Requirement.

• User-friendly interface for product browsing and rental managment.

• Responsiveness & Essential pages like product listing, detaling, checkout etc.

* Backend Requirement. (sanity CMS).

① centralized database for detailing, availability and rental condition.

⑥ User account and secure payment method.

* Third Party Integration.

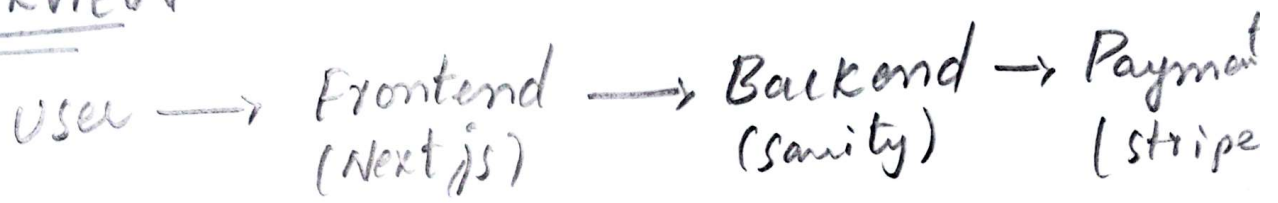* payment gatway (stripe) for transtior

* Shiping api for orders.

STEP #02
System Architecture

System:
1. Frontend (Next.js)
2. Backend (Sanity CMS).
3. External API.

OVERVIEW

User ⟶ Frontend ⟶ Backend ⟶ Payment
         (Next js)   (Sanity)   (stripe

① New User Sign up → Data store in CMS.

② Brows available products → Displayed dynamically on frontend.

③ Order ⟶ payment ⟶ order saved in CMS.

STEP # 03
API Requirment

Essential API endpoints.
1. Fetching Available Product
   • Endpoint /category.
   • method GET

Response: {'id': "1", 'name': 'camera 1} "Status":
'available'}.

② Create Rental Order

    ⊙ Endpoint /orders

    ⊙ Method POST

    ⊙ payload: { Id: 3 , userId: 789, rental, : 4h}
                                                period

③ Payment Process:

      ⊙ Endpoint /payments

      ⊙ Method POST

      ⊙ payload { orderId, amount: 120, P-M:
                        Stripe }.

      ⊙ Response { status : Successful }

STEP # 04

Technical documentation

⊛ overview of : Diagram & explanation of
     system : architecture.

⊛ API

⊛ user workflow : Step-by-step breakdown

⊛ Data Model : Detail for sanity CMs.

STEP #05

collabrate and Refine

(*) Disscuss Design and workeflows for friends & mates.

(*) Ensure the technical foundation with Business Objective.

X ——→ Y ——→ X.