DAY2 :Marketplace Technical Foundation (GENERAL E-COMMERCE FURNITURE WEBSITE)

Recap of Day 1: Business Focus

1. BUISNESS GOAL

"To create an online furniture marketplace that makes shopping easy by connecting local sellers and buyers, offering convenient home delivery, and saving customers the hassle of traveling far for quality furniture."

2. DATA SCHEMA

Now in the folder

1. Define Technical Requirements

1) Frontend Requirements:

- Framework: Next.js for building a fast, and scalable user interface.
- Styling: Tailwind CSS for a responsive, customizable

2) Sanity CMS as Backend:

- "Use Sanity CMS with custom schemas and GROQ queries to dynamically manage furniture listings, categories, and content efficiently.

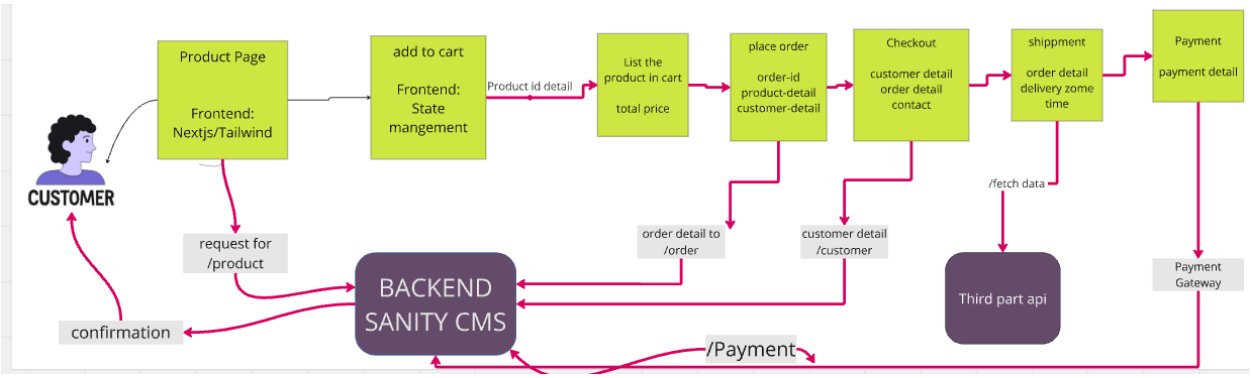
3) Third-Party APIs:

- Shippent tracker:api from shipo,express,etc
- Payment gateway api from amazon, daraz etc

2. API REQUIRMENT

Endpoint Name	Method	Description	Payload/Response
/products	GET	Fetch all available products from Sanity	Product details (ID, name, price, stock, image)
/orders	POST	Create a new order in Sanity	Customer info, product details, payment status
/shipment	GET	Track order status via third-party API	Shipment ID, order ID, status, expected delivery date
/customer	POST	Add or update customer information	Customer details (name, email, address, phone)
/payment	POST	Process payment for an order	Payment details (order ID, amount, payment status)

Design System Architecture



DATA WORKFLOW

1. Sign Up → Send Data to Backend → Store in Backend → Confirm User
2. Select Category → Fetch Data from Backend → Display Products
3. Add to Cart → Send Data to Backend → Store Cart in Backend → Checkout
4. Save Order → Send Order Data to Backend → Store Order in Backend → Confirm Order to User
5. Track Shipment → Fetch Status from API → Send to Backend → Display Status → Confirm Shipment to User