Technical Planning

1. **User Interaction (Frontend)**
   - A user visits the website and navigates to the **Product Listing** page.
   - The frontend (built in **Next.js**) fetches product data from the **Sanity CMS** using APIs.
   - The user selects a product, views the **Product Details**, and adds it to the cart.
2. **Backend Interaction (Sanity CMS)**
   - The **Sanity CMS** stores product details, customer data, and order records.
   - When the user views or interacts with products, the frontend queries the CMS via the **Product Data API**.
   - Product data is fetched dynamically and rendered on the frontend.
3. **Payment Process (Third-Party API)**
   - At checkout, the frontend sends payment information to a **Payment Gateway** API for processing.
   - The API processes the payment and returns a confirmation.
4. **Order Management (Sanity CMS)**
   - After a successful payment, the order details are stored in **Sanity CMS** under the orders schema.
   - The frontend fetches an order confirmation message and displays it to the user.
5. **Shipment Tracking (Third-Party API)**
   - Once an order is confirmed, shipment details are sent to a **Shipment Tracking API**.
   - The frontend periodically fetches tracking updates for the user.

"MARKET PLACE"

NAME: SARFRAZ AZIZ

GENERAL ECOMMERCE : FURNITURE ONLINE STORE

1) <u>Purpose</u>: The purpose of our Store is to provide a user-friendly online platform for customers to browse and purchase furniture.

2) <u>Business Goal</u>:
   i) Offering a wide range of high-quality ~~furniture~~ and trending design furniture
   ii) Achieving a high level of customer satisfaction and loyalty.

3) <u>Target Audience</u>

★ Individuals and family aged 25 and above

★ Home decor, furniture, interior desing and lifestyle

★ Individuals ~~and~~ professional who value convenience and style.

   they don't have the time to visit physical market but want to stay updated on the latest furniture trends and design which they can easily browse and purchase from the comfort of their own home

4) Store Uniqueness

★ Unique product offering exclusive design and quality

★ User friendly interface: easy navigation, clear product info easy payment method, excellent

★ provide tracking and Status of their furniture order in real time customer services.

Schema

1) **Product**
   {
   - Id : unique product Id
   - name : product name
   - price : product price
   - Stock : product stock quantity
   }

2) **Order**
   {
   - Id : order Id
   - order date : order date and time
   - Total : Total order value
   - Status : eg(pending, shipped, delivered)
   }

3) **Customer**
   {
   - Id : Customer Id
   - name : Custome name
   - email : email
   - Contact No : phone number
   - password
   - Address : adress
   }