TECHNICAL PLAL FOR MARKETplace Builder Hackathon Day : 02

① Define Technical Requirments:

Frontend:

- use nextjs to build the user interface

- Page included.

1) Home Page
2) Product Page
3) About Page
4) Contact Page
5) Blog Page
6) Account Page
7) Cart Page
8) Check out Page
9) Serch Page

Sanity CMS:

- Using Sanity CMS to merge product & order
  Configure schema for prodct & orders.
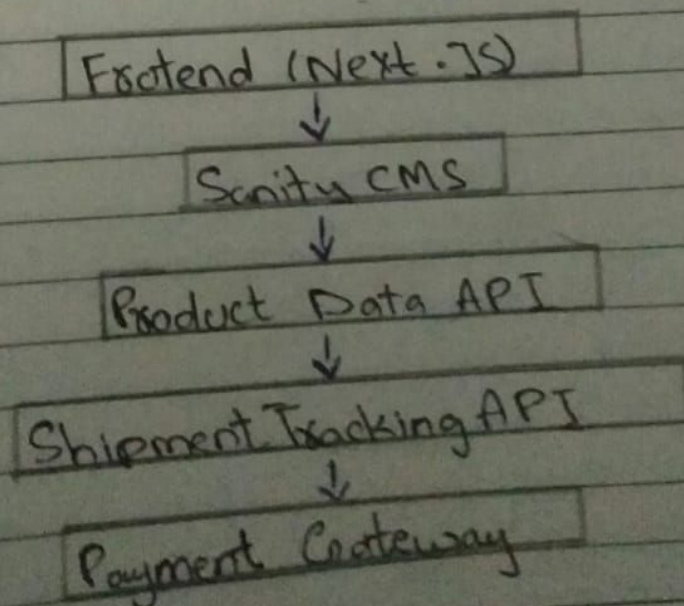
- **Third-Party API**

- Integrate payment gateways (eg stripe) for secure transaction
- Using shipment tracking API (eg shipengine) for tracking

② Plane System Architecture:

System Components:

- Frontend: Build with Next. Js
- CMS: Sanity CMS for storing products & order data.
- API:

- Products API: fetch Product Data
- Shipping API: Generate & thrank shipping labels
- Payment API: Process payment using stripe

System Architecture Digrame:

```
        Frontend (Next. JS)
               ↓
          Sanity CMS
               ↓
        Product Data API
               ↓
      Shipment Tracking API
               ↓
        Payment Gateway
```

③ API Requirment:

API Endpoint:

- /api/product (Gret): fetch product data from sanity cms
- /api/shipping-label (Post): Generate shipping label using Shipeng
- /api/tracker-order(Gnet):Retrive order status using Shipengine
- /api/check-out (Post): Integrate stripe for payment