

## Day 02 : Transitioning to Technical Planning [Food Truck]

① Defining technical requirements

② frontend requirements :

Done with a user friendly interface , responsive design and a good UI with essential pages like Home , Product listing , product detail , Cart , Checkout and Signup / Login pages are essential for my website .

② Sanity CMS as backend :

Done with Sanity as backend for my website . My studio has all the records of products data , order record with user (who is login and who did order )

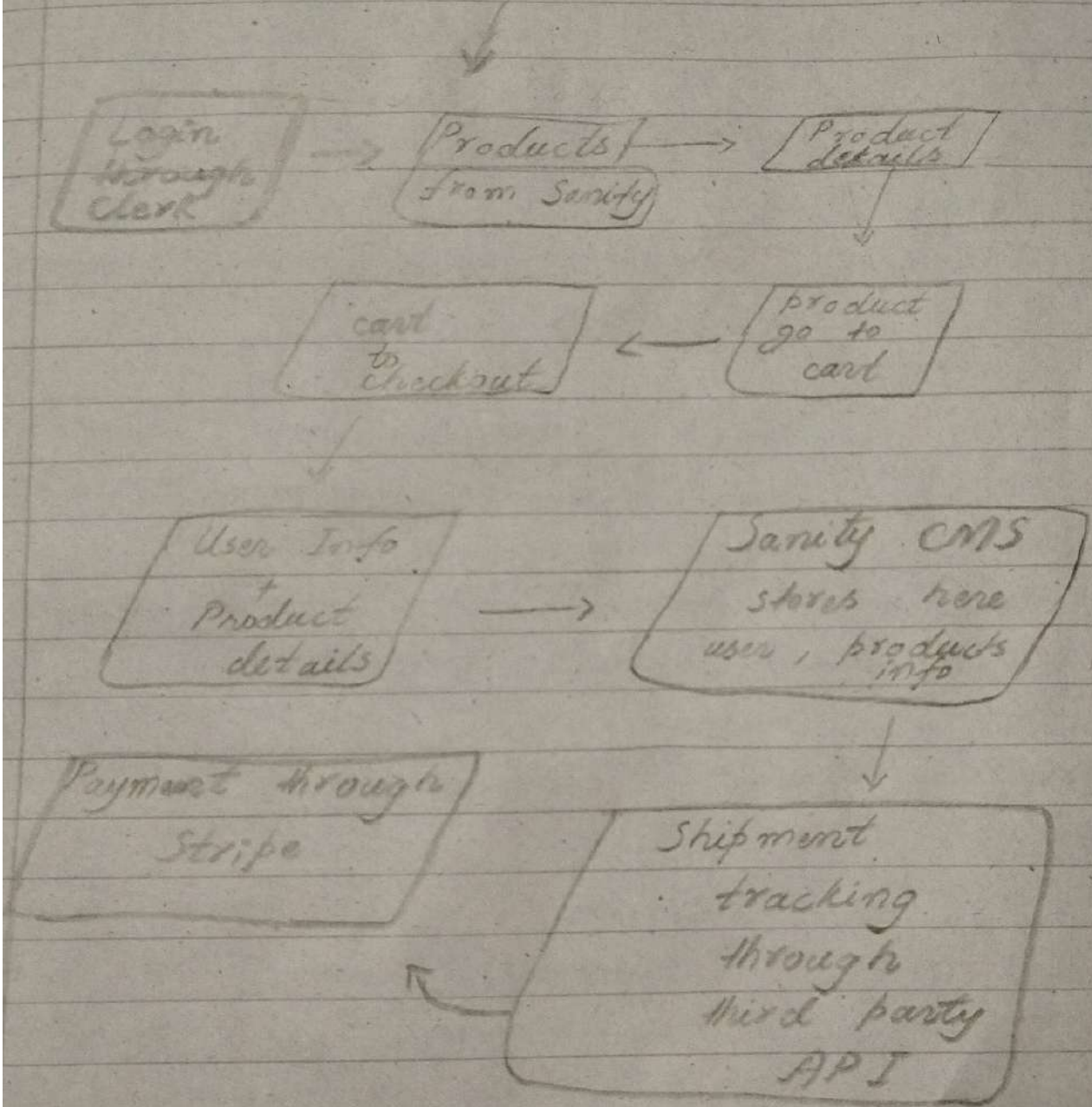
③ Third party API :

Third party API will be integrated for shipment tracking , secure payment gateways etc .



## 2) Design System Architecture :-

Frontend (Next.js)



### ③ Plan API requirements : (e-commerce)

→ For the shipment tracking the end point will be : / tracking -

Method : GET

Description : fetch real time tracking of your items -

→ For Payment methods the end point will be : / payment

Method : POST

Description : For secure payments we are using stripe -

### ④ Write Technical Documentation :

In the designing of system architecture we I've mentioned all the details of how the flow of my website will be .

Clerk for Authentication :-

In my project Clerk will be use for user Authentication and Cart page or add to cart functionality will be a protected



route as only user can add any product to cart if and only if when he / she logs in -

Create or Store data in Sanity :-  
The check out page will hold a form and all the information of user will store to sanity as backend of our project

Interaction between Components :-

As Cart component will ask user to add more items and take user to products display page, same as display of products chosen by user are shown or sent to cart page will by the use of Context API -

Data Schema Design :

As per plan the planned Schema will executed in the sanity studio (as we've described in day 01) -



### Roadmap (Technical)

The main and first goal of designing a whole e-commerce website will be a responsive and user friendly UI that is easy to understand and good looking -

Sanity CMS will setup for the project and data will be insert in it -

Data will fetch from backend and sent from frontend -

Cart and Checkout will be setup next -

Shipment and payment API's will integrate -

Checkout page will sent the information (order by, when, items of order, address (like user detail etc) will be store in Sanity -