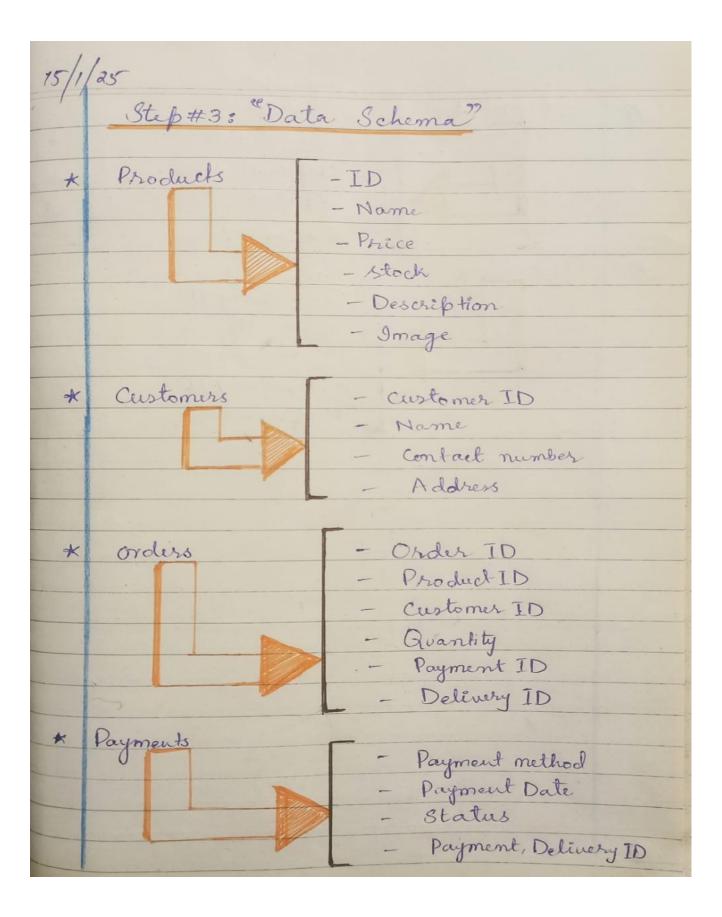
# Laying the foundation for your Marketplace Journey

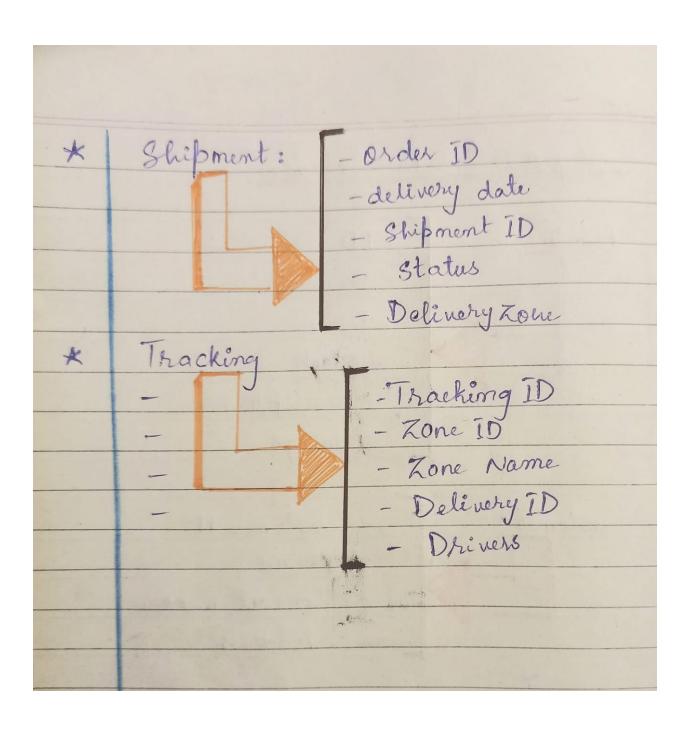
By Kanwal Rafiqe.

Roll number: 00311635

Wednesday 7:00-10: pm

15/1/25	M933707000 # 3		
DAY 1: Laying the foundation for your Market Place Journ			
	DAY 1: Laying the foundation for your Market Place Journey Step # 1: "Type and Purpose"		
Type =>	Market place type: E- Commerce.		
The second secon			
	and Secure transactions.		
	Step#2: "Business Goals"		
*	(Addressing Customer Needs)		
	Provide high-quality, trendy clothing that meets		
	the diverse Preferences of Men, Women & Kids.		
*	( larget Hudience)		
	cater to fashion-concious individuals & families seeking Stylish and affordable clothing.		
	families seeking Stylish and affordable clothing.		
*	( Products / Cervices )		
	offers a wide range of products including winter collections, with easy online shopping & fast delivery.		
	collections, with easy online shopping & fast delivery.		
*	(Unique Qualities)		
	Delever exclusive designs, competitive pricing and exceptional customer service for a		
	Seamles shopping experience.		





**Technical Requirements** 

#### • Frontend Requirement:

- 1. User-Friendly Interface
  - Clean design for easy product browsing, filtering, and sorting.
- 2. Responsive Design
  - o Adapts seamlessly to mobile, tablet, and desktop devices.
- 3. Essential Pages
  - o **Home Page**: Displays featured collections and promotions.
  - o **Product Listing Page**: Shows categorized products with filters.
  - o **Product Details Page**: Provides detailed product info and purchase options.
  - o Cart Page: Lists selected items with editing options.
  - o Checkout Page: Collects payment and shipping details.
  - o **Order Confirmation Page**: Confirms order placement and shows details.

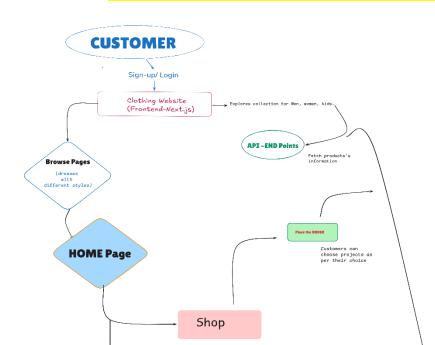
#### • Sanity CMS as Backend

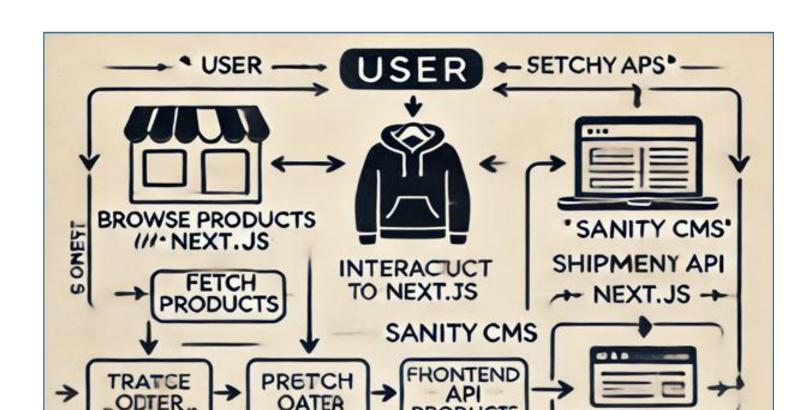
- 1. Product Management
  - a. Schemas for categories, products, and variants (e.g., size, color).
- 2. Customer Data Management
  - a. Stores customer profiles and addresses.
- 3. Order Records Management
  - a. Tracks order details, payment status, and shipping info.

#### • Third-Party APIs

- 1. Shipment Tracking API
  - o Integrates Shippo, for tracking deliveries.
- 2. Payment Gateway API
  - o Processes transactions via Stripe.
- 3. Frontend API Integration
  - o Updates order status and cart dynamically

### System Architecture [Frontend (Next.js)





Key Workflows:

## **APIs End Points:**

Endpoints	Method	Description
/Products	Get	Fetches products/dresses
/Products/id	Get	Fetches a specific product/dress
Orders	Post	Creates a new order
Orders/id	Get	Fetches specific order
/shipment/tracking/id	Get	Tracks shipment status

# **Sanity Schema:**

```
Product's Schema:
export const product = {
name: 'product',
type: 'document',
fields: [
{name: 'name', type: 'string', title: 'Product's name'},
{name: 'price, type: 'number, title: 'Price},
{name: 'image, type: 'image, title: 'Product's image},
{name: 'category, type: 'string', title: 'Catogery},
]
};
Order's Schema:
export const product = {
name: 'order,
type: 'document',
fields: [
{name: 'orderNumber', type: 'string', title: 'Order Number'},
{name: 'customer, type: 'reference, to: [{type: 'customer'}]title: 'Customer'},
]
};
Customer's Schema:
export const product = {
name: 'customer,
type: 'document',
fields: [
{name: 'name', type: 'string', title: 'Customer's name'},
{name: 'adress, type: 'string, title: 'Adress'},
{name: 'phone, type: 'number, title: 'Number'},
 ] };
```