**DAY 1: LAYING THE FOUNDATION FOR YOUR MARKETPLACE JOURNEY**

**Step 1: Choose Your Marketplace Type**

* **General E-Commerce**: I Choose General E-commerce  platform that allows sellers to list a variety of products across different categories, targeting a broad audience.

Key features include:

* Clear product categories.
* Easy seller account setup.
* Secure payment options.
* User reviews and ratings.
* Mobile and desktop-friendly design.

Focus on scalability, competition, and logistics when building your platform.

**Step 2: Define Business Goals**

Clearly defining my business goals helps shape the foundation of my marketplace and drives its long-term success. Here’s how to approach it:In short;

* Achieve 1,000 active users in the first 6 months.
* Partner with 50 sellers by the end of the first quarter.
* Generate $10,000 in monthly revenue within the first year.
* Build a strong brand reputation by offering top-notch customer support.

**Step 3: Data Schema**

**. Focus on Key Fields for Each Entity**

**Products:**

* **ID**: Unique identifier.
* **Name**: Name of the product.
* **Price**: Cost per unit.
* **Stock**: Quantity available.
* **Category**: Classification (e.g., Electronics, Clothing).
* **Tags**: Searchable keywords (e.g., "New Arrival").

**Orders:**

* **Order ID**: Unique identifier.
* **Customer Info**: Name, contact details, and address.
* **Product Details**: List of products, quantities, and prices.
* **Status**: Order status (e.g., Pending, Shipped, Delivered).
* **Timestamp**: Date and time of order placement.

**Customers:**

* **Customer ID**: Unique identifier.
* **Name**: Full name of the customer.
* **Contact Info**: Phone number and email address.
* **Address**: Delivery address.
* **Order History**: Past orders placed by the customer.

**Delivery Zones:**

* **Zone Name**: Identifier of the delivery zone.
* **Coverage Area**: List of postal codes or cities served.
* **Assigned Drivers**: Details of couriers.

**Shipment:**

* **Shipment ID**: Unique tracking identifier.
* **Order ID**: Linked to the respective order.
* **Status**: Current state (e.g., In Transit, Delivered).
* **Delivery Date**: Expected or actual delivery date.

**Schema**

**categoryType**

**import {TagIcon} from '@sanity/icons'**

**import {defineField, defineType} from 'sanity'**

**export const categoryType = defineType({**

**name: 'category',**

**title: 'Category',**

**type: 'document',**

**icon: TagIcon,**

**fields: [**

**defineField({**

**name: 'title',**

**type: 'string',**

**}),**

**defineField({**

**name: 'slug',**

**type: 'slug',**

**options: {**

**source: 'title',**

**},**

**}),**

**defineField({**

**name: 'description',**

**type: 'text',**

**}),**

**],**

**preview: {**

**select: {**

**title: 'title',**

**subtitle: 'description',**

**},**

**},**

**})**

**productType**

**import { TrolleyIcon } from "@sanity/icons";**

**import { defineField, defineType } from "sanity";**

**export const productType = defineType({**

**name: 'product',**

**title: 'Products',**

**type: 'document',**

**icon: TrolleyIcon,**

**fields: [**

**defineField({**

**name: 'name',**

**title: 'Product Name',**

**type: 'string',**

**validation: (Rule) => Rule.required(),**

**}),**

**defineField({**

**name: 'slug',**

**title: 'slug',**

**type: 'slug',**

**options: {**

**source: 'name',**

**maxLength: 96,},**

**validation: (Rule) => Rule.required(),**

**}),**

**defineField({**

**name: 'image',**

**title: 'image',**

**type: 'image',**

**options: {**

**hotspot: true,**

**},**

**// validation: (Rule) => Rule.required(),**

**}),**

**defineField({**

**name: 'description',**

**title: 'description',**

**type: 'text',**

**validation: (Rule) => Rule.min(20).max(2000),**

**}),**

**defineField({**

**name: 'price',**

**title: 'price',**

**type: 'number',**

**validation: (Rule) => Rule.required().min(0),**

**}),**

**defineField({**

**name: 'categories',**

**title: 'categories',**

**type: 'array',**

**of: [{type: 'reference', to: {type: 'category'}}],**

**}),**

**defineField({**

**name: 'stock',**

**title: 'stock',**

**type: 'number',**

**validation: (Rule) => Rule.min(0),**

**}),**

**],**

**preview: {**

**select: {**

**title: 'name',**

**media: 'image',**

**price: 'price',**

**},**

**prepare(select) {**

**return {**

**title: select.title,**

**media: select.media,**

**subtitle: `$${select.price}`,**

**}**

**},**

**},**

**});**

**orderType**

**orderimport { BasketIcon } from '@sanity/icons';**

**import { defineArrayMember, defineField, defineType } from 'sanity';**

**export const orderType = defineType({**

**name: 'order',**

**title: 'Order',**

**type: 'document',**

**icon: BasketIcon,**

**fields: [**

**defineField({**

**name: 'orderNumber',**

**title: 'Order Number',**

**type: 'string',**

**validation: (Rule) => Rule.required(),**

**}),**

**defineField({**

**name: 'stripeCheckoutSessionId',**

**title: 'Stripe Checkout Session ID',**

**type: 'string',**

**}),**

**defineField({**

**name: 'stripeCustomerId',**

**title: 'Stripe Customer ID',**

**type: 'string',**

**validation: (Rule) => Rule.required(),**

**}),**

**defineField({**

**name: 'customerName',**

**title: 'Customer Name',**

**type: 'string',**

**validation: (Rule) => Rule.required(),**

**}),**

**defineField({**

**name: 'customerEmail',**

**title: 'Customer Email',**

**type: 'string',**

**validation: (Rule) => Rule.required().email(),**

**}),**

**defineField({**

**name: 'clerkUserId',**

**title: 'Clerk User ID',**

**type: 'number',**

**validation: (Rule) => Rule.required(),**

**}),**

**defineField({**

**name: 'stripePaymentIntentId',**

**title: 'Stripe Payment Intent ID',**

**type: 'string',**

**validation: (Rule) => Rule.required(),**

**}),**

**defineField({**

**name: 'products',**

**title: 'Products',**

**type: 'array',**

**of: [**

**defineArrayMember({**

**type: 'object',**

**fields: [**

**defineField({**

**name: 'product',**

**title: 'Product',**

**type: 'reference',**

**to: [{ type: 'product' }],**

**}),**

**defineField({**

**name: 'quantity',**

**title: 'Quantity Purchased',**

**type: 'number',**

**validation: (Rule) => Rule.required().min(1),**

**}),**

**],**

**preview: {**

**select: {**

**title: 'product.name',**

**quantity: 'quantity',**

**image: 'product.image',**

**price: 'product.price',**

**currency: 'product.currency',**

**},**

**prepare({ title, quantity, price, currency, image }) {**

**return {**

**title,**

**subtitle: `${quantity} x ${price} ${currency}`,**

**media: image,**

**};**

**},**

**},**

**}),**

**],**

**}),**

**defineField({**

**name: 'totalPrice',**

**title: 'Total Price',**

**type: 'number',**

**validation: (Rule) => Rule.required().min(0),**

**}),**

**defineField({**

**name: 'currency',**

**title: 'Currency',**

**type: 'string',**

**validation: (Rule) => Rule.required(),**

**}),**

**defineField({**

**name: 'discountAmount',**

**title: 'Discount Amount',**

**type: 'number',**

**validation: (Rule) => Rule.min(0),**

**}),**

**defineField({**

**name: 'status',**

**title: 'Order Status',**

**type: 'string',**

**options: {**

**list: [**

**{ title: 'Pending', value: 'pending' },**

**{ title: 'Paid', value: 'paid' },**

**{ title: 'Shipped', value: 'shipped' },**

**{ title: 'Delivered', value: 'delivered' },**

**{ title: 'Canceled', value: 'canceled' },**

**],**

**},**

**validation: (Rule) => Rule.required(),**

**}),**

**],**

**preview: {**

**select: {**

**title: 'customerName',**

**subtitle: 'totalPrice',**

**currency: 'currency',**

**},**

**prepare({ title, subtitle, currency }) {**

**return {**

**title,**

**subtitle: `${subtitle} ${currency}`,**

**};**

**},**

**},**

**});**