Marketplace Builder Hackathon 2025 Day 2:-

Type of Market Place :- **General E-commerce**

Objective :-

Home Decor web Avion:-

Our business goal is to provide high-quality, stylish, and affordable home décor products that enhance the beauty and comfort of living spaces while ensuring customer satisfaction. We aim to inspire creativity in home design with unique and modern décor solutions.

Frontend Requirements:-

For a home decor website frontend, the following features are essential.

Home Page: A visually appealing homepage showcasing various categories of home decor items like furniture, lighting, wall art, and accessories.

Navigation: Easy-to-use navigation bar for categories, search functionality, and filters for price, style, and materials.

Product Display: Clean and organized product grids with images, descriptions, and prices.

Product Details: Pages with detailed descriptions, high-quality images, and options like color and size.

Shopping Cart: A cart icon that updates when items are added, allowing users to view their selections before checkout.

Checkout: Customer info, shipping, and payment options.

Order Confirmation: Order summary, tracking, and thank you message.

Responsive Design: Optimized for both mobile and desktop, ensuring a smooth shopping experience on all devices.

Sanity CMS as Backend:-

Using Sanity CMS as the backend for your marketplace allows you to manage product data, customer details, and order records efficiently. Sanity acts as the central database where you can:

Product Data: Create schemas for products with fields like name, description, price, images, and categories. Easily update product listings through the CMS interface.

Customer Details: Manage customer profiles, including contact info, purchase history, and preferences.

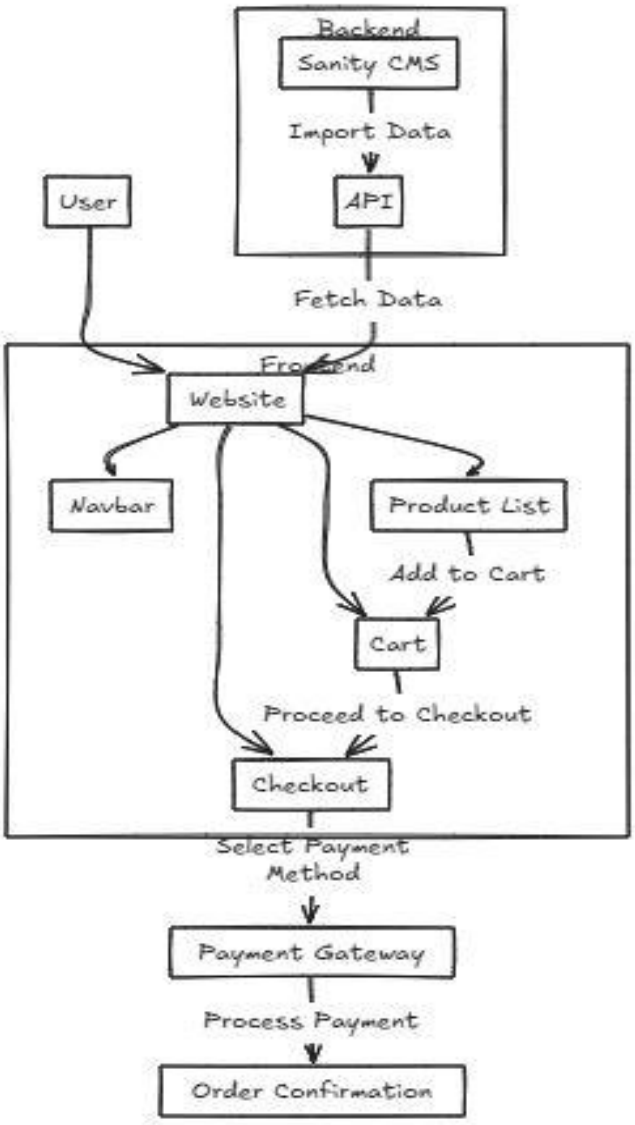
Order Records: Store and track order details, including itemized products, shipping information, and payment status.

Third-Party APIs Which can we use:-

Shipment Tracking :- Use APIs like Shippo or USPS for real-time shipping rates and tracking.

Payment Gateways: Integrate APIs like Stripe or PayPal for secure transactions.

Design System Architecture:-



Key Workflows to Include:-

User Registration:

- User signs up with details (name, email, password).
- Data stored in Sanity CMS.

- Confirmation email sent with verification link.
- User verifies email, account activated.

Product Browsing:

- User views available product categories (e.g., Furniture, Lighting, Textiles).
- Sanity API fetches product data based on selected category.
- Products displayed on the frontend (images, descriptions, prices, etc.).

Order Placement:

- User adds items to the cart.
- User proceeds to checkout, entering shipping and payment details.
- Order details (items, quantities, total, shipping info) saved in Sanity for order management.

Shipment Tracking:

- Order status updates fetched via a 3rd-party API (e.g., shipping carrier).
- Shipment details (e.g., tracking number, current status) displayed to the user on their order page.

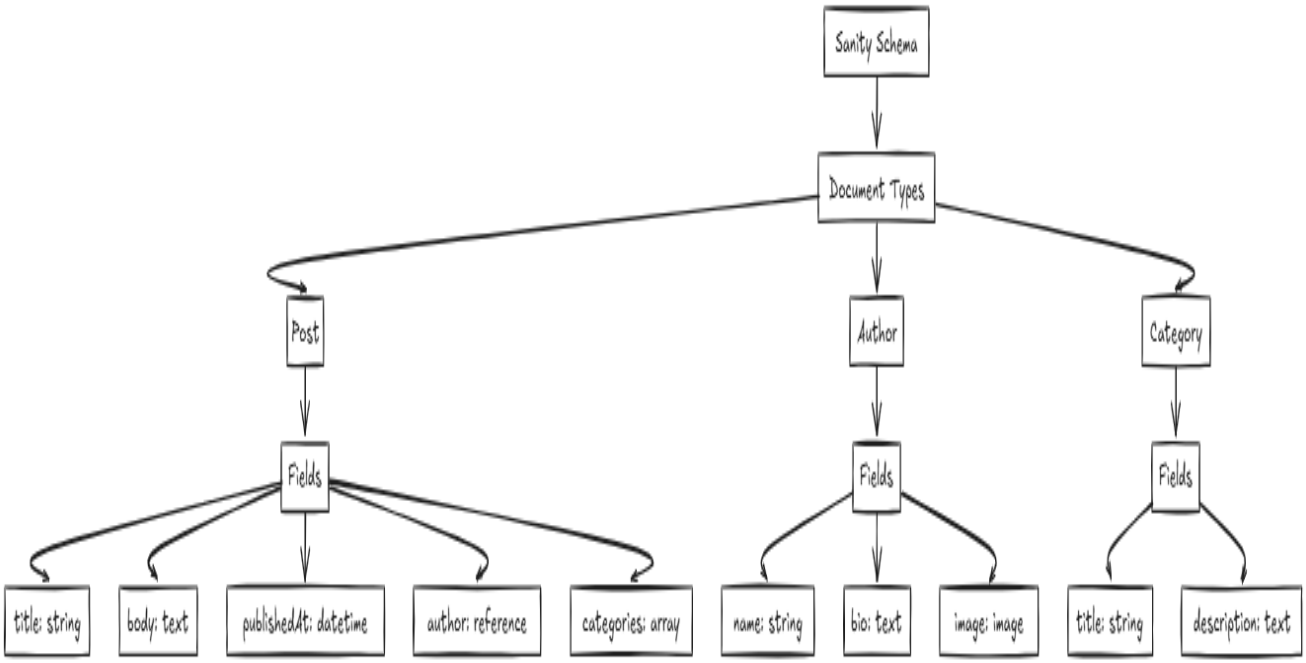
API Endpoints:

End Point	Method	Purpose	Response

/product	GET	Fetch Data	{
			“id”: 1,
			“name”: “Product A”,
			“price”: 100
			}

order	Post	Create Data	{
			“customer id”:1,
			“product Id”:003,
			“quantity”:2,
			“totalAmount”:100,
			}

Sanity Schema :



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

export default defineType({
  name: "product",
  title: "Product",
  type: "document",
  fields: [
    defineField({
      name: "name",
      title: "Name",
      type: "string",
    }),
    defineField({
      name: "description",
      title: "Description",
      type: "text",
    }),
    defineField({

        name: "image",
        title: "Image",
        type: "image",
        options: {
          hotspot: true,
        },
        },
    ),
    defineField({
      name: "price",
      title: "Price",
      type: "number",
    })
```