**Day2: Marketplace Technical Foundation General E-Commerce**

This project is an e-commerce application using **Sanity CMS** as the backend for managing product data and third-party APIs for shipping and payments. Below is a detailed breakdown of the project features, architecture, and workflow based on the provided diagram.

* click here & see diagram : <https://excalidraw.com/#json=StIWd1RTVxgqAaBaKJ-R6,HEJhsP9FOOOdxf3zAfoADg>

**Features**

1. **Sanity CMS Integration**
   * Acts as the backend to store and manage:
     + Product data (ID, Name, discountPercentag, Price, StockLevel, Category, Description, Image, tags,isFeatureProduct).
     + Order records.
   * Categories: Furniture, Electronics, Accessories.
2. **Responsive Design**
   * Fully responsive user interface for all pages, ensuring a seamless experience on various screen sizes.
3. **Third-Party API Integration**
   * **ShipEngine**: Used for tracking orders.
   * **Stripe**: Used for processing payments securely.
4. **User Interface Workflow**
   * Home Page: Displays a responsive product listing.
   * Product Detail Page: Shows detailed information about the selected product.
   * Cart: Displays selected products with price and quantity.
   * Checkout: Processes shipping and payment information.
   * Login: Provides user authentication.
   * Order Confirmation: Displays a success message with order details.

**Application Workflow**

**1. Home Page (**[**https://ui-ux-hackathon-sable.vercel.app/**](https://ui-ux-hackathon-sable.vercel.app/) **)**

* Displays a list of products fetched from Sanity CMS.
* Each product includes a name, image, price
* Users can click on a product to navigate to its detail page.

**2. Product Detail Page (**[**https://ui-ux-hackathon-sable.vercel.app/jGHNK2T7WRTGSZ6CroBXgK**](https://ui-ux-hackathon-sable.vercel.app/jGHNK2T7WRTGSZ6CroBXgK) **)**

* Displays detailed information about a specific product, including:
  + Name, Image, Old Price, New Price, Description, Stock, and Rating.
* Allows users to add the product to the cart.

**3. Cart (**[**https://ui-ux-hackathon-sable.vercel.app/cart**](https://ui-ux-hackathon-sable.vercel.app/cart) **)**

* Lists all added products with their quantity and total price.
* Users can modify quantities or remove products from the cart.

**4. Checkout Page (**[**https://ui-ux-hackathon-sable.vercel.app/cart/checkOut**](https://ui-ux-hackathon-sable.vercel.app/cart/checkOut) **)**

* Collects shipping information and integrates **ShipEngine** to calculate shipping rates.
* Processes payments using **Stripe**.

**5. Payment Confirmation (**[**https://ui-ux-hackathon-sable.vercel.app/cart/checkOut/orderDone**](https://ui-ux-hackathon-sable.vercel.app/cart/checkOut/orderDone) **)**

* Confirms the payment and redirects users to the order confirmation page.

**6. Order Confirmation (**[**https://ui-ux-hackathon-sable.vercel.app/cart/checkOut/orderDone**](https://ui-ux-hackathon-sable.vercel.app/cart/checkOut/orderDone) **)**

* Displays a success message with order details.
* Thanks the user and provides an option to continue shopping.

**Product Data Structure**

Managed via Sanity CMS:

Product = {

name: string;

"Image": "string (URL)",

description: string;

price: string;

description?: string;

discountPercentage?: number;

isFeaturedProduct?: boolean;

stockLevel?: number;

category: 'Chair' | 'Sofa' | 'electronic' | 'other';

tags?: (

| 'featured'

| 'latest'

| 'trending'

| 'topCategory'

| 'product'

| 'discoundTreProduct'

| 'shops'

| 'offerProduct'

| 'uniqueFeatures'

)[];

};