User Journey with Associated Action Items

System Architecture Document (E-Commerce Marketplace

Steps	Presentation Tier	Application Tier	Third Party Solution	Data Tier

Add to C... | Che... | ...g... or | ...pment ...acking

Pages / Side Bar

Sanity (CMS)

Store User

User / UI

Frontend Task / Function

Authentication

API Request

Backend Action

Admin

Third-Party Action

Authentication

WEB STORE

- Home + Contact Us + About
- Product Catalogue
- Cart
- Checkout
- Order Confirmation
- Payment Window

Admin Panel

- Inventory Management
- Order Management
- Shipment Tracking
- User Management

User Adds Products to the Cart

Review Items in the ...rt

User Proceed to Checkout

Enter Payment Details

Receipt o... Order confirmatio n

Track Order Shipment

Get → API

Inventory Validation

Push Produc... ...art array in local state

...er Product from Cart array

Validate Cart, Collect Payment & Shipping ...tails

Trigger payment gateway for secure ...

Show confirmatio n message to the user.

Display real-time shipment status to the user.

Product Dataset

Inventory Dataset

Get → API

Request → Visa Commercial Pay **VISA** Payment Gateway

Post

API

POST/order

payment-gateway

Payment Dataset

GET/ shipment-status

Get

Create a new order re...d in the Sanity CMS Order dataset.

Save payment details in the Sanity CMS Pa...nt dataset.

Update order status in the Sanit... CMS Order dataset.

Update shipment details in order dataset from ShipEngine.

Post

Post

API

Update

Post

DHL

...transaction .

Post Update

Shipment Dataset

Order Dataset

Fetch real-time tracking updates from ShipEngine API.

Get

API