

Technical Documentation- Market Place Technical Foundation [General Ecommerce] Day 2

Hackathon Day II

General Ecommerce Site

Key Features:

- Dynamic product listing
- order placement flow
- online payment
- order tracking
- user friendly & responsive
- updated API integrations

Technology Stack:

- Next JS :- for Server side rendering
- Tailwind :- for Rapid UI development
- Sanity :- headless CMS for managing data at backend
- Third-party APIs :- For external integrations (Payment & Shipment)

Key workflow:

Add to Cart

- User Click "Add to cart"
- Frontend sends product to Cart
- Frontend shows updated Cart.

place order:

- User Click "proceed to Checkout"
- Checkout page show SubTotal & required user information
- User Click on "deliver it" to place order & Shipping label will be created.

API End Points:

<u>end-points</u>	<u>Method</u>	<u>Description</u>
/products	Get	Fetch products
/orders	Post	Create order
/shipengine	Post	Create label
/track	Get	Track order
/user	Post	Login
/cart	Post & get	manage cart

Schemas:

product = (id, name, size, details, price, qty)

Cart = (CartId, P-size, P-name, P-price, P-qty, Sub-total)

orders checkout = (orderId, user-info)

user = (name, address, email, phone, city, state)

Ship engine = (Service-Id, Package, from, to, address from, address to)

track = (orderId, status, location)

Security CMS Schema Example:-

```
export default { name: 'Product', type: 'doc',  
  fields: { name: 'name', type: 'string',  
    title: 'Product Name',  
    { name: 'price', type: 'number',  
      title: 'Price' },  
    { name: 'img', type: 'image',  
      title: 'Image' },
```

System Architecture Diagram

