

Day 2 :

(Hackathon Market place E-commerce)

(The technical foundation of market place)

[Gernal e-commerce website Shopco]

• Frontend: Next js : {

Name ,

Product listening ,

Product Details ,

Cart ,

Checkout ,

Order Confirmation ,

Shipment Tracking ,

}

+ + +

• Backend : {

Product data ,

Cotumar data ,

Order data ,

Shipment information ,

Sanity CMS : {

To manage product data and orders information and shipment details.

}

}

+ + +

- Third party Apis : {

Payment integration : using stripe

Shipment Tracking : using shipengine , shippo

Ar integration

}

Details :

Frontend :

- build with Next js with responsive design and responsive layouts and pages for all type of devices .

- Pages : {

Home page (with static route)

About page (with static route)

Product Listing and product details (with dynamic routes)

Cart page (with static and dynamic routes)

Checkout page (with shipment Tracking integration)

404 page

Blog page (with static route)

Login and sign up page

Payment method page

}

- **BackEnd** : (Sanity CMS) : {

Product data management : {

I'd , name , price , tags , flavor , Available , description and etc that other thing that I want.

}

Costumer data management : {

Name , address , Contact information , phone number

}

Order data management : {

Items , payment , Total Amount , delivery status ,

Shipment Status

}

}

Third Party Apis: {

Payment integration: {

Using : jazzcash , Easypaisa , and any other bank account

}

Delivery method : {

Using : bykea , leopard , m&p , Tcs

}

Stripe and shipment : {

payment with stripe integration.

Shipment with shippo or shipengine integration.

}

}

The Data flow : if user interact with website



[Frontend render]



[Sanity data]

↓.

[Fetch product Data]

[Display Product] ←.

↓.

[User Add Product To Cart] ➡ [Event] ↓.

↓ [Authentication]

[Payment Method on fire]

[payment request on backend] ←.

↓.

[Email Verification] ➡ [order ready for delivery]

[order shipped successfully] ←.

• Api Schemas : {

/ User

user.id -> fetch user details ,

user.resgister -> fetch user registration ,

user.login -> user authentication

user.page -> user profile

},

{

/ Products

Product.listing -> show all items ,

Product.id -> show single product dynamically ,

product.select -> add product to cart ,

product.update -> product update successfully ,

Product.delete -> delete a product

},

{

/ Order

Order.id -> fetch detail of specific order ,

Order.add -> add a new order ,

Order.update -> update the order ,

Order.delete -> delete the order

}.

Sanity Schemas : {

• product schema : {

Name

Description

Price

Tags

Image

Available items

}

• Costumer Schemas : {

Name

Email

Phone

Address

}

- Order Schemas : {

Costumer

Price

Total Amount

Order status

}

- Shipment Status : {

Order

Courier

Tracking I'd

Delivery time

Status

}

}

Additional features : {

- Search bar : User can search any specific product with this .

- user authentication : user can login and sign up with our website for safety purpose .

- promotion : display discount and vouchers on homepage and header .

}

(Thanks)