

# Day 2 :

( Hackathon Market place E-commerce )

( The technical foundation of market place )

[ Q-commerce website ]

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• 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

}

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## 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.

}

}

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**The Data flow :** if user interact with website

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[ 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 ] ←.

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#### • 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

}.  

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### **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

}

}

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**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 .

}

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**( Thanks )**