HACKHATHON DAY 2 J Mer Transforming My Business Plan to Technical Planning. 6) Sho The goal of Day 2 Ps to Shift Foon business focused Planning to technical implementation. At this stage it is essential 07 (to define the System Aschitectuse, Apirequirements and backend stouchuse to ensure Smooth market place development. 8) Define Rechnical Requirements:-9) Frontenel Requirements.

The frontenel will delieves a Seamless with the Following Pages: 1) Home Page: Highlight food Categories and featured
Products. 2) About: Provide Puto about our experience and about our best foody Products. 3) Contact ? Desplay Contact information clearly for Customer inquises. 4) Chefs? Introduce ourchefs and highlight
their experence and eupertice in Cooking.

Menu: Showcase the Varsious menu plans offered by the website-6) Shop: Highlight the full songe of Products available including food, ice cocoms and beverages. added to their Cost, modify quantities demove Atims and proceeds to checkout. Sign up on the website. 9) Login: A login Page for betoring wext to access their accounts. Pagess Back end with Sanity CMS-Sanity cms will some as the back end to manage objnamic data like products Customoss and orders.

Third-Party API Integration
To enhance the functionality and use esiperionic of the wobsite, the following
third Party API's will be integrated.

1- Payment Gate way API

• Purpose: Secure payment Processing.

• Example: Stoppe, Paypal.

· Features: Pransaction Status tracking and accept debit/credit Cards.

- 2) Shappment Tracking API

 Pospose: Real time obdoo tracking and delivery many

· Example: Shop Engene API

· Features: Generate Shipping Cabels

Brimate delivery time and Cost.

PECHNICAL DOCUMENTATION:

Technical Documentation for Q-Commerce.

This documentation provides or Comprehensive guide to the ecommerce System's architecture work flows, API enolpoints and Sanity CMS Schema examples.

Prontend: The user interface whose austorney browse the menu, place orders and track deliveries.

Frame WOOK: React/Next. JS Styling: Parlwind CSB

Back Enal & A server that Process the order manage the invantory and integrates the throat Party APIs.

CMS:

Sanity: For monaging dynamic content such as praduct listing, description and blogs.

Deployment: Hosting: Vescel or Nextify for deployment-CI/CB: Copt Hub for autometed deployment. 2- Key Noon-Hows uses Registration: uses registered by providing there e-math Passumed and profile details. Login: user enter their Goodentials to obtain a Just Token engling Source Session handling. Cast Monggament: uses add products to their Cost-The Cast updates dynamically, storing items in the delabase or Local storage. Chau out The uses proceeds to checkout, providing Payment details. API Endpoints: · Authentication lopt/woos/register - Register a now user 1 apil usous / log in Authenticate uses

Categories

I apit / categories - Retrive all Categories

I apit / categories {id} - Retrive products under a

Specific Category.

lapi/Cost/add - Add a product to the Cost Iapi/cost - Retrive Cost details.

/api/charout-process payment and Greate
an order-

Collaborate and Kefine

feedback Integration: Continuously Collect

feed back from Stack holdows and end-uses

to enhance features.

Code Reviews: Conduct through peed seviews

to main tain Code quality and identify

Potential issues early.

Documentation Updates: Regularly update

Unis documentation to reflect changes in

architecture, workeflows on App functionality

Sanity Schema Design

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Product ID

Name

Description

Category

Discount

Price

Customer Schema

Customer ID

Name

Contact

Address

Email

Order Schema

Order ID

Customer ID

Product ID

Amount

Payment Schema

Payment ID

Order ID

Amount

Payment Status

Shipment Schema

Shipment ID

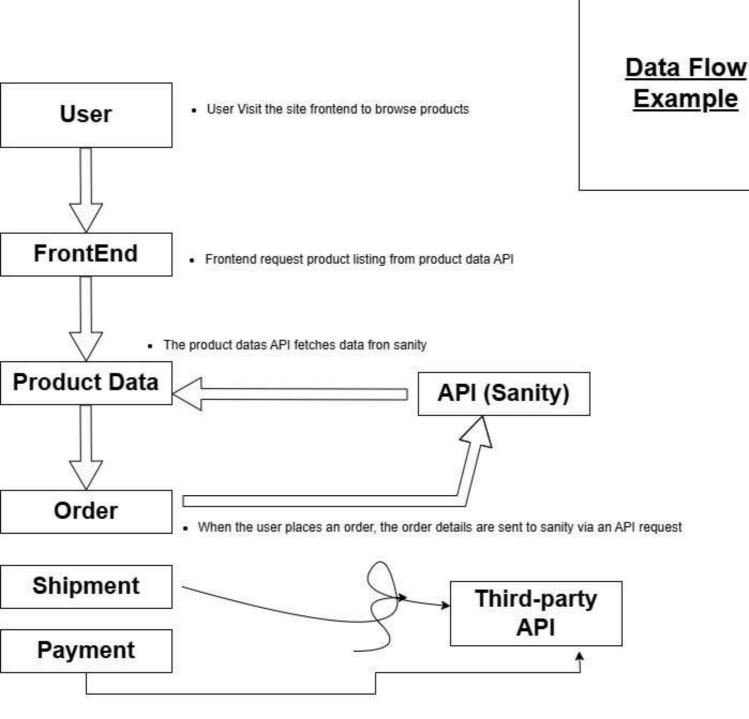
Order ID

Courier Service

Shipment Status

Design System Architecture

To Visualize how this components interact



- · Shipment tracking information is fetched through a Third-Party API
- · Payment details are securely processed through the Payment Gateway



Here is the API endpoints for Q-Commerce food website

```
Products API: Fetch all products
                                                         Products API: Fetch single product
Endpoint Name: /products
                                                         Endpoint Name: /products/{id}
Method: Get
                                                          Method: Get
                                                        Description: Fetches details of a single product by its ID.
Description: fetch all products
Response Example: [{
id: 1,
                                                          Response Example: [{
                                                                                  id: 1.
                        "name": "Pizza",
                                                                                  "name": "Pizza",
                        "Price": 600,
                                                                                  "Price": 500,
                        "stock": 60,
                                                                                  "stock": 50,
                        "image": "https// public /image.png",
                                                                                "image": "https// public /image.png",
                                                                                11
   Orders Api: Create order
   Endpoint Name: /orders
    Method: post
    Description: Creates a new food order with customer information and product details.
   Response Example:[{
    "customerid": 1,
                           "products": [{"productid": 1, "quantity": 2},
{productId": 2, "quantity": 1}],
                            "totalAmount": 1000,
                             "paymentStatus": "pending"
                        11
    Get Order Status
      • Endpoint Name: /order/{orderId}

    Method: GET

      . Description: Fetches the status of a specific order by its ID.

    Response Example:

    Response Example:{
                          "orderld": 1234,
"status": "in Process",
                           "message": "Your order is being prepared"
   Rider Status
      · Endpoint Name: /riders
      · Method: Post
      . Description: Assign a rider to a new order for delivery.

    Response Example: { "status": "Success", "message": "Rider assigned

         successfully" }
   Payment Status
     · Endpoint Name: /payment-status
     · Method: Get
     . Description: Check the payment status of an order
     · Response Example: { "orderld": 12345, "paymentStatus": "Paid",
         "paymentMethod": "Credit Card" }
```

Shipment Status

- . Endpoint Name: /shipment-status
- · Method: Get
- . Description: Fetch real-time delivery status for an order using third-party APIs.
- Response Example: { "orderId": 12345, "status": "In Transit", "ETA": "30 mins", "riderId": 789, "riderName": "John Doe", "riderLocation": "2 km away" }