

PLANNING THE TECHNICAL FOUNDATION

Date: 16 Jan - 2024

Day 2 Task

Planning the Technical Foundation

Translate to our (Day 1 task) business goals into Technical requirements.

1. Sales Growth

- * Frontend: Responsive design and fast loading speed will improve user experience, driving increase sales.
- * Sanity CMS: Easily manage new Products and offers to support sales growth.
- * Payment APIs: Easy payment options will improve conversion rates.



2) Customer Satisfaction:

- * Fronted: A seamless, mobile-friendly design will enhance the shopping experience.
- * Shipping APIs: Fast delivery and tracking will improve customer satisfaction.

3) Brand Awareness:

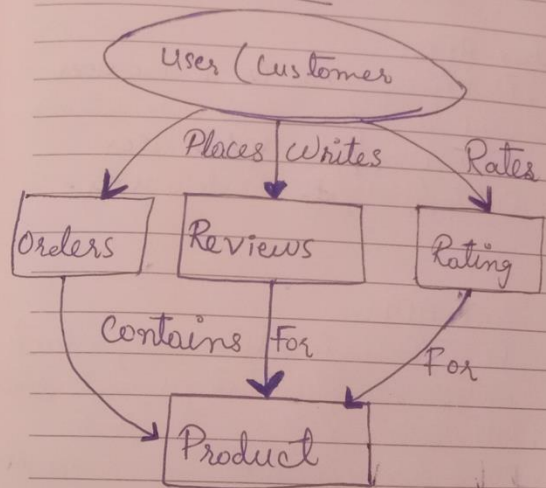
- * Social Media APIs: Social media platforms will help promote products and boost brand visibility.
- * Sanity CMS: Regular content updates and promotions will keep the brand relevant.

4) Market Expansion:

- * Sanity CMS: Easily scale content for new markets.
- * Analytics APIs: Analyze customer data to enable targeted marketing in new regions.

Date: 21

Diagram of System Architecture



APIs Requirement:

1) User APIs:

- POST /users - Create a new user
- GET /users/id - Get user details
- PUT /users/id - Update user
- DELETE /users/id - Delete user

2) Product APIs:

- POST /Products - Add a new product
- GET /products/id - Get product details
- PUT /products/id - Update product
- DELETE /products/id - Remove product

3) Order APIs:

- POST /orders/id - Place a new order
- GET /orders/id - Get order details
- PUT /orders/id - Update order
- DELETE /orders/id - Cancel order



KARIMI ELECTROMECH SYSTEMS

Date:

4) Shipment APIs:

- POST /shipment/id - Create shipment
- GET /shipment/id - Update track shipment
- PUT /shipment/id - Update shipment details
- DELETE /shipment/id - Delete shipment

Work Flow of System Architecture:

1) Product to Cart:

User select product and size and quantity then add to cart, if stock is available.

2) Payment and Shipment

Customer clicking checkout button user will be required to fill a form containing his payment method.

The process of payment will be done by payment API like Jaxcash, easypos and we can use tool like snipcart to handle cart management and delivery. The user will be update on the delivery status.



KARIMI ELECTROMECH SYSTEMS