

16/Jan/25

Day 2 Task.

Planning the Technical
Foundation!

Translate to our (Day 1 task)
business goals into technical
requirement.

1) Sales Growth

* Fronted: Responsive design & task
loading speed will improve users
experience, driving increase sales.

* Simple CMS: Easily manage new
products & offers to support
sales growth.

* Payment APIs: Easy payment options
will improve conversion
rates.

2) Customer Satisfaction:-

- * Frontend A Seamless, mobile-friendly design will enhance the Shopping experiences.
- * Shipping APIs: Fast delivery & tracking will improve customer Satisfaction.

3) Brand Awareness:-

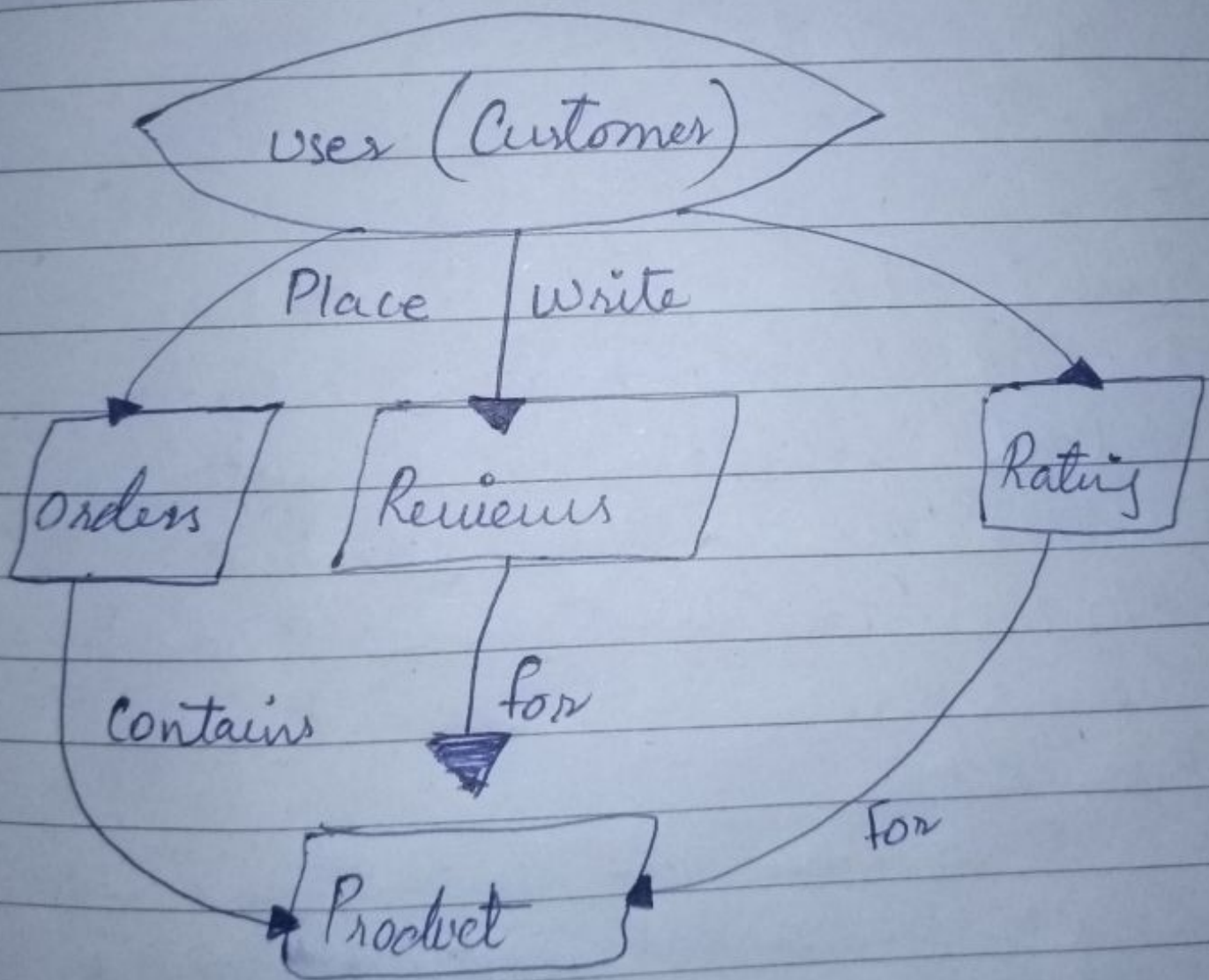
- * Social Media APIs: Social Media Platforms will help Promote Products & boost Brand visibility.
- * Sanity CMS: Regular content updates & Promotions will keep the Brand relevant.

4) Market Expansions-

* Sanity CMS → Easily Scale Content
for new markets.

* Analytics APIs → Analyze customer data
to enable targeted
marketing in new regions -

Diagram of System Architecture



APIs, Requirements

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
- PUT /Products/id - Update Product
- Delete /Products/id - Remove Product.

3) Order APIs

- Post /order/id - Place a new order
- GET /order/id - Get order details
- PUT /order/id - Update order
- DELETE /order/id - Cancel order.

4) Shipment APIs:

POST /shipment/id - Create Shipment

GET /shipment/id - 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 & size & quantity then add to cart if stock is available.

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2) Payment & Shipment

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

The Process of Payment will be done by payment API like Jazcash, eazypaisa & we can use tool like Shipcart to handle cart management & delivery. The user will be update on the delivery status.