

Day 2

16/1/2025

TECHNICAL FOUNDATION Feature:

Frontend:

-) Adding fields for Comments, providing a area ^{to} view review for users.
-) Area to add review by the customer that bought that item

Backend:

Using Sanity CMS

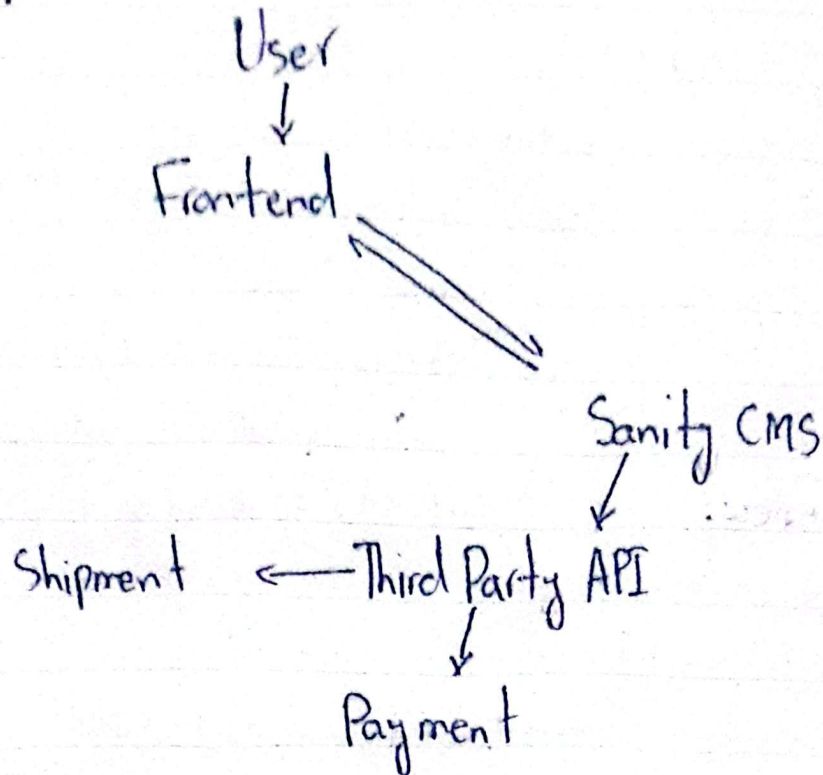
-) Comment from frontend to the Backend
-) Review by both way communication between back end and front end, to verify purchase and to display review

Third-Party API:

-) For delivery tracking and payments external API will be used

Design System Architecture

Diagram:



Work flow:

- 1) User Verification: New or Old Customer \Rightarrow Form/In Sanity
- 2) Product: Product data \rightarrow from Sanity
- 3) Order Placement: Carting the product then checkout \rightarrow Data in Sanity
- 4) Payment: Detail \rightarrow In Sanity \Rightarrow In Third Party API for Payment
- 5) Shipment: Detail \rightarrow In Sanity \Rightarrow In Third Party API for Shipment
- 6) Comment: Data from Frontend \rightarrow Sanity
- 7) Review: Confirmation \rightarrow from Sanity \rightarrow Data Frontend \rightarrow Sanity

API Requirements

1) Products:

- Endpoint Name: /products
- Method: GET
- Description: Fetch all product details
- Response Example: { "id": 1,
"name": "Sofa",
"Price": 15000,
"Image": "sofa.jpg" }

2) Comments:

- Endpoint Name: /comments
- Method: GET
- Description: Fetch comments for a specific product
- Response Example: { 'UserId': 101,
'ProductId': 1,
"message": "Durable Product",
"time": "10:02 pm, 16/1/2025" }

3) Orders:

- Endpoint Name: /orders
- Method: POST
- Description: Create a new order
- Request Example: { "OrderId": 5101,
"ProductId": 1,
"quantity": 2 }

4) Customers:

- Endpoint Name: /customers
- Method: GET
- Description: Retrieve customer details
- Response Example: { "customerId": 101,
"name": "Umer",
"Info": { "phoneNumber": "123-111-2222",
"email": "abc@123.com"},
"orderStatus": "Delivered" }

5) Review:

- Endpoint Name: /reviews
- Method: GET
- Description: Fetch review for a specific product
- Response Example: { "customerName": "Umer",
"message": "Very Comfortable",
"rating": 5 }

6) Shipments:

- Endpoint Name: /shipments
- Method: GET
- Description: Track a shipment by order ID
- Response Example: { "shipmentId": "ABC123",
"orderId": 5101,
"status": "In Warehouse" }