SYSTEM ARCHITECTURE DIAGRAM

TECHNICAL REQUIREMENT

Frontend (Next.Js) → **Sanity (CMS)** → **Third-Party APIs2**

- User InterFace
- Responsive Design
- Database
- Backend
- Shipment
- Payment
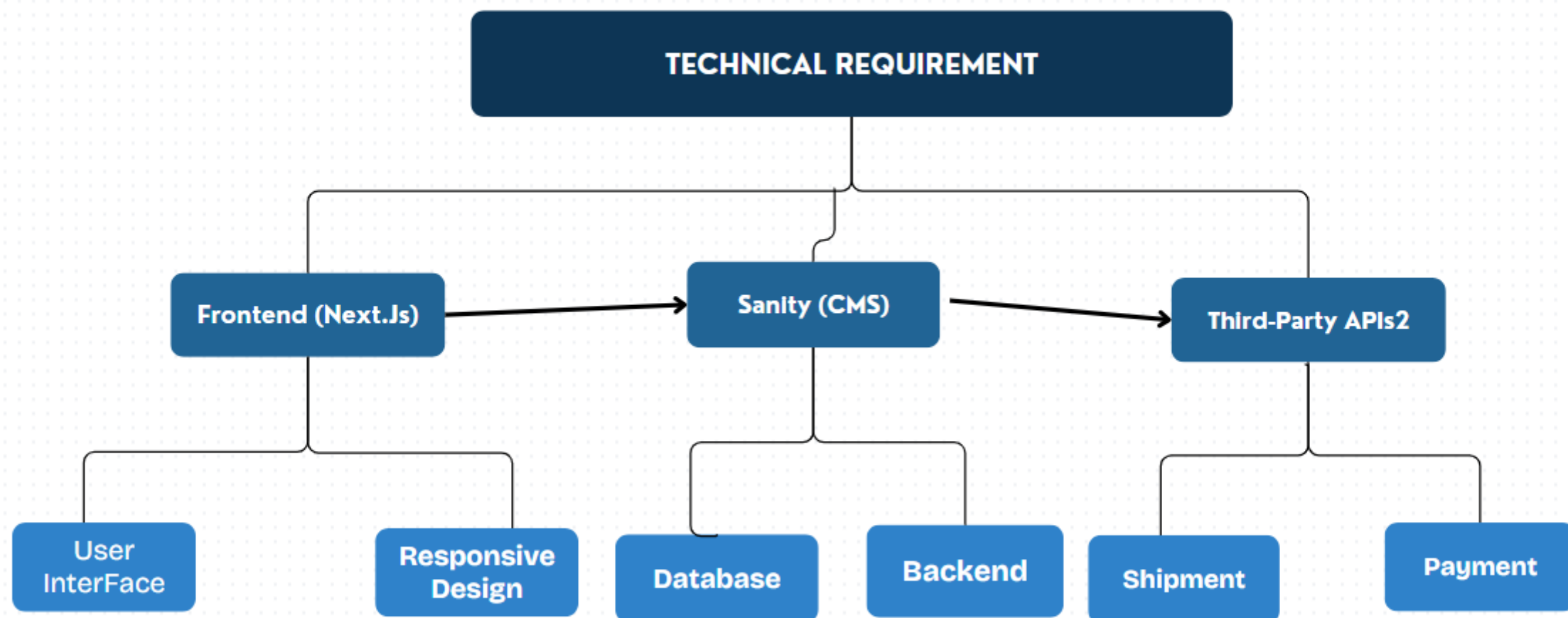
End Point	Method	Description	Response Example
/products	GET	Fetch all available products from Sanity.	"id": 1, "name": "Product A", "price": 100
/orders	POST	Create a new order	"customerId": 1, "products": [{"id": 1, "quantity": 2}], "totalAmount": 200
/shipment	GET	Track order status via third-party API.	"orderId": 1, "status": "In Transit", "expectedDelivery": "2023-06-15"
/payment	POST	Process Payment Method	"orderId": "001" "paymentMethod": "credit_card", "cardDetails": { "cardNumber": "4242424242424242", "expiryDate": "12/27" }

Day:2 Planning The Technical Foundation

Customer service process WorkFlow

SignUp

Customer

Admin

Login

user visits the marketplace frontend to browse products.

→Yes→

Search Product

View Product

Add TO Cart

User Concern the Decision at this time

Proceeds to checkout

No

Order Placed

Customer support representative responds to user's concern directly

Logout