Marketplace Technical Foundation

Introduction

The primary goal of Day 2 is to transition from the business-oriented planning of Day 1 to the technical preparation required to build your marketplace.

Technical Requirements

System Architecture
Diagram

graph LR
Frontend[Frontend (Next.js)] --> Sanity CMS[Sanity CMS]
Sanity CMS --> Third-party APIs[Third-party APIs]

Chart

graph TD
User[User] --> Frontend[Frontend (React/Next.js)]
Frontend --> Sanity CMS[Sanity CMS (Database)]
Sanity CMS --> Third-party APIs[Third-party APIs (e.g., Payments, Shipping)]

Key Workflows

1. User Registration - Collect user details - Save them in the database via Sanity CMS

2. Product Browsing - Fetch and display products - Real-time search and filter capabilities

3. Order Placement - Capture user orders - Validate data - Store them in Sanity CMS

4. Shipment Tracking - Integrate third-party APIs - Real-time tracking updates

Flowchart Example

graph LR
Start --> User Browses Products
User Browses Products --> Adds to Cart
Adds to Cart --> Places Order
Places Order --> Payment Gateway
Payment Gateway --> Order Confirmed
Order Confirmed --> Track Shipment

API Endpoints

Endpoint	Method	Purpose	Response Example
/products	GET	Fetch all products	{ "id": 1, "name": "Product A", "price": 100 }

Endpoint	Method	Purpose	Response Example
/orders	POST	Create a new order	{ "orderId": 123, "status": "Success" }

Sanity Schemas

```
export default {
name: 'product',
type: 'document',
fields: [
{
name: 'name',
type: 'string',
title: 'Product Name'
},
{
name: 'price',
type: 'number',
title: 'Price'
}
]
};
```

Collaboration and Feedback

- Group discussions
- Peer review
- Version control

Conclusion

The technical plan outlined in this document provides a solid foundation for building a marketplace. By following this plan, you can ensure that your marketplace is scalable, secure, and provides a seamless user experience.