

"Marketplace Technical Foundation - Comforty

1. **Frontend** (Next.js)

- pages
 - ◆ index.js (home page)
 - ◆ products.js (product listing page)
 - ◆ product.js (product details page)
 - ◆ cart.js (cart page)
 - ◆ checkout.js (checkout page)
 - ◆ orderConfirmation.js (order confirmation page)
- components
 - ◆ Header.js (header component)
 - ◆ Footer.js (footer component)
 - ◆ ProductCard.js (product card component)
- utils
 - ◆ api.js (API helper functions)
 - ◆ sanity.js (Sanity CMS helper functions)
- public
 - ◆ index.html (index.html file)

2. **Backend** (Sanity CMS)

- schemas
 - ◆ product.js (product schema)
 - ◆ customer.js (customer schema)
 - ◆ order.js (order schema)
- api
 - ◆ products.js (products API endpoint)
 - ◆ orders.js (orders API endpoint)
 - ◆ customers.js (customers API endpoint)

3. **Third-Party APIs**

- paymentGateway
 - ◆ index.js (payment gateway API wrapper)
- shipmentTracking
 - ◆ index.js (shipment tracking API wrapper)

System Architecture:

1. **Frontend:** Next.js application with pages for home, product listing, product details, cart, checkout, and order confirmation.
2. **Backend:** Sanity CMS with schemas for products, customers, and orders. API endpoints for fetching and creating data.
3. **Third-Party APIs:** Payment gateway and shipment tracking APIs integrated into the application.

API Endpoints:

1. **GET /products:** Fetch all products from Sanity CMS.
2. **POST /orders:** Create a new order in Sanity CMS.
3. **GET /shipment:** Track order shipment status via third-party API.

Sanity Schema:

```
// product.js
export default {
  name: 'product',
  type: 'document',
  fields: [
    { name: 'name', type: 'string', title: 'Product Name' },
    { name: 'price', type: 'number', title: 'Price' },
    { name: 'stock', type: 'number', title: 'Stock Level' }
  ]
};
```