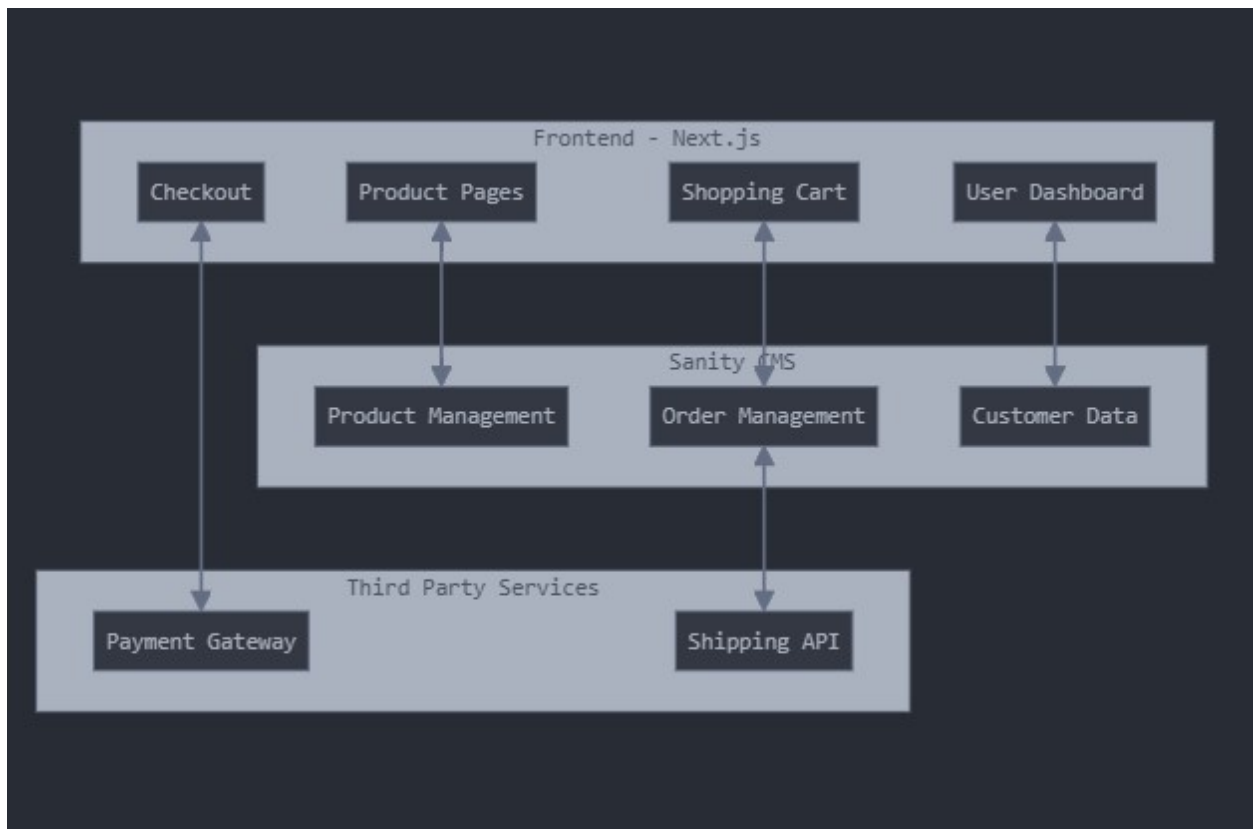


Marketplace Technical Foundation – General E-Commerce (Furniture Hub)

Overview

Technical documentation for Furniture Hub, a furniture e-commerce marketplace built with Next.js and Sanity CMS.

1. Technical Requirements:



2. Frontend Requirements:

- Pages Required:
 - Home: Featured furniture collections, categories
 - Catalog: Furniture listing with filters (type, price, style)
 - Product Details: 360° views, dimensions, materials
 - Shopping Cart
 - Checkout
 - Order Tracking
 - User Account

3. Sanity CMS Schema:

```
// Product Schema
export default {
  name: 'furniture',
  type: 'document',
  fields: [
    { name: 'name', type: 'string', title: 'Furniture Name' },
    { name: 'category', type: 'string', title: 'Category' },
    { name: 'price', type: 'number', title: 'Price' },
    { name: 'dimensions', type: 'object', fields: [
      { name: 'length', type: 'number' },
      { name: 'width', type: 'number' },
      { name: 'height', type: 'number' }
    ]},
    { name: 'material', type: 'string' },
    { name: 'stock', type: 'number' },
    { name: 'images', type: 'array', of: [{ type: 'image' }] },
    { name: 'description', type: 'text' },
    { name: 'assembly_required', type: 'boolean' }
  ]
}
```

4. API Endpoints:

// Product Endpoints

GET /api/furniture - List all furniture

GET /api/furniture/{id} - Get specific furniture details

GET /api/categories - Get furniture categories

// Order Endpoints

POST /api/orders - Create new order

GET /api/orders/{id} - Get order status

PATCH /api/orders/{id} - Update order status

// Shipping Endpoints

POST /api/shipping/calculate - Calculate shipping cost

GET /api/shipping/{orderId}/track - Track furniture delivery

5. Key Workflows:

6. Product Browsing Flow:

- User visits homepage
- Browses furniture categories
- Filters by type/price/style
- Views detailed product information

7. Purchase Flow:

- Add to cart
- Calculate shipping based on location
- Process payment
- Generate order confirmation

8. Delivery Flow:

- Schedule delivery time
- Track shipping status
- Delivery confirmation
- Assembly service booking (if required)