

Customer Schema

```
export default {
  name: 'customer',
  type: 'document',
  title: 'Customer',
  fields: [
    { name: 'name', type: 'string', title: 'Name' },
    { name: 'email', type: 'string', title: 'Email' },
    { name: 'phone', type: 'string', title: 'Phone Number' },
    { name: 'address', type: 'text', title: 'Address' },
    { name: 'loyaltyPoints', type: 'number', title: 'Loyalty Points' },
    { name: 'orderHistory', type: 'array', title: 'Order History', of: [{ type: 'reference', to: [{ type: 'order' }] }] },
  ],
};
```

Fetch All Products

```
import client from '@sanity/client';

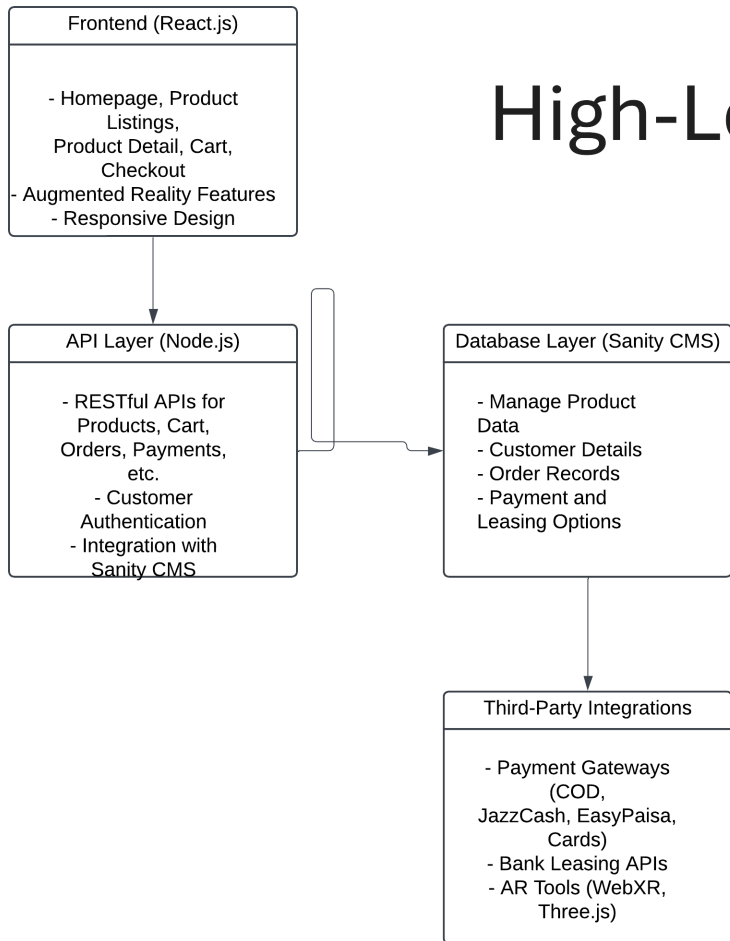
const sanityClient = client({
  projectId: '<your_project_id>',
  dataset: 'production',
  apiVersion: '2021-03-25', // use a date before your latest dataset update
  useCdn: true,
});

async function getProducts() {
  const query = `*[_type == "product"]`;
  const products = await sanityClient.fetch(query);
  return products;
}
```

```
const query = `*[_type == "customer" && email == $email] {  
  name, email, phone, loyaltyPoints, orderHistory  
}`;  
  
const params = { email: 'customer@example.com' };  
  
const customer = await sanityClient.fetch(query, params);
```

Fetch Customer Details

High-Level Architecture Diagram



Order Schema

```
export default {
  name: 'order',
  type: 'document',
  title: 'Order',
  fields: [
    { name: 'orderId', type: 'string', title: 'Order ID' },
    { name: 'customer', type: 'reference', to: [{ type: 'customer' }], title: 'Customer' },
    { name: 'products', type: 'array', title: 'Products', of: [{ type: 'reference', to: [{ type: 'product' }] }] },
    { name: 'totalPrice', type: 'number', title: 'Total Price' },
    { name: 'status', type: 'string', title: 'Order Status', options: { list: ['Pending', 'Processing', 'Completed', 'Cancelled'] } },
    { name: 'paymentMethod', type: 'string', title: 'Payment Method' },
    { name: 'createdAt', type: 'datetime', title: 'Order Date' },
  ],
};
```

```
export default {
  name: 'product',
  type: 'document',
  title: 'Product',
  fields: [
    { name: 'name', type: 'string', title: 'Product Name' },
    { name: 'price', type: 'number', title: 'Price' },
    { name: 'material', type: 'string', title: 'Material' },
    { name: 'dimensions', type: 'string', title: 'Dimensions' },
    { name: 'image', type: 'image', title: 'Product Image' },
    { name: 'stock', type: 'number', title: 'Stock Quantity' },
    {
      name: 'customizationOptions',
      type: 'array',
      title: 'Customization Options',
      of: [{ type: 'string' }],
    },
    { name: 'leasingAvailability', type: 'boolean', title: 'Available for Leasing' },
    { name: 'category', type: 'string', title: 'Category' },
    { name: 'description', type: 'text', title: 'Description' },
    { name: 'arModelUrl', type: 'url', title: 'AR Model URL' }, // For AR integration
  ],
};
```

Product Schema

General E-Commerce Website...

Goal: Plan how my website will look and function visually, aligning with business goals and user expectations.

Steps:

Research Inspiration:

Look at competitors like Habitt for layout ideas tailored to the furniture niche. Tools to Use:

Use tools like Figma to design wireframes and test user flows. If drawing by hand, sketch the pages: Homepage, Shop, Blog, Contact, and Checkout. Key Pages:

Homepage: Showcase featured furniture categories like Beds, Sofas, and Tables with customizable options. Product Listing: Display furniture with filters (price, size, material, brand). Product Detail Page: Include product details (dimensions, materials, reviews) and augmented reality visualization. Cart Page: Show a summary of selected items with loyalty credit integration. Checkout Page: Include region-specific payment options (COD, JazzCash, EasyPaisa), credit/debit card payments, and bank leasing options.

2. Developing the Website (Frontend and Backend)

Frontend:

Use React.js or Next.js for dynamic, user-friendly interfaces. Ensure responsive design for mobile and desktop users. Focus on essential pages, including AR visualization tools and wishlist integration. Backend:

Use Node.js to manage APIs and server-side logic. Store data in Sanity CMS with schemas reflecting your business goals. Implement API routes for: /products: Fetch product details. /cart: Manage cart items. /orders: Process customer orders. /payments: Handle integration with credit/debit card processors and bank leasing APIs.

3. Integrating Payment Gateways

Goal: Enable users to make payments online, via leasing, or through cash on delivery (COD).

Steps:

Choose Payment Options:

Popular payment options in Pakistan: Cash on Delivery (COD) EasyPaisa and JazzCash Credit/Debit Cards Bank Leasing Facilities for high-value furniture. Setup:

Register with payment platforms like Stripe or PayFast for card payments. Partner with local banks for leasing facilities (e.g., Meezan Bank, HBL). Features to Add:

Payment status updates (e.g., "Paid," "Pending," "Under Leasing"). Generate receipts for successful transactions. Enable users to calculate monthly leasing installments on the product page (via bank APIs).

4. Creating Product Catalogs

Goal: Display all furniture items with complete details and customization options.

Steps:

Data Organization:

Define attributes: Name, Price, Dimensions, Material, Image, Stock, Customization Options, Leasing Availability. Using Sanity CMS: Set up a schema for products:

```
javascript
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export default {
  name: 'product',
  type: 'document',
  fields: [
    { name: 'name', type: 'string', title: 'Name' },
    { name: 'price', type: 'number', title: 'Price' },
    { name: 'material', type: 'string', title: 'Material' },
    { name: 'dimensions', type: 'string', title: 'Dimensions' },
    { name: 'image', type: 'image', title: 'Product Image' },
    { name: 'stock', type: 'number', title: 'Stock' },
    { name: 'customizationOptions', type: 'array', title: 'Customization Options', of: [{ type: 'string' }] },
    { name: 'leasingAvailability', type: 'boolean', title: 'Available for Leasing' },
  ]
};
```

5. Setting Up a Database

Goal: Manage product, customer, and order information efficiently.

Steps:

Database Choice:

Use Sanity CMS for flexible and structured data management. Entities to Manage:

Products: Name, Price, Stock, Customization Options, Leasing Availability. Orders: Customer info, Products purchased, Total Price, Order Status. Customers: Name, Email, Phone, Address, Loyalty Points. Payments: Payment methods, Leasing details, Installment tracking. API Endpoints:

/products (GET): Fetch products with filters. /orders (POST): Create and track orders. /payments (POST): Process payments (card, COD, leasing). /customers (GET/POST): Fetch or create customer details.

6. Writing Content and SEO Optimization

Goal: Attract visitors and boost rankings by ensuring the website is optimized for search engines.

Steps:

Content Creation:

Write detailed descriptions for each product, including care instructions and customization options. Mention bank leasing options for high-value furniture, emphasizing affordability. Create a blog section for topics like "How to Choose the Best Furniture," "Furniture Leasing Options in Pakistan," or "Top 5 Benefits of Customizable Furniture." SEO Best Practices:

Add meta titles and descriptions for all pages. Use alt tags for all images (e.g.,). Perform keyword research for terms like "affordable furniture in Pakistan," "customizable sofas," or "furniture on installments in Pakistan." Tools:

Use Google Search Console and Google Analytics to monitor website performance.