

MARKET PLACE TECHNICAL FOUNDATION

SIT EASE

DEFINE TECHNICAL REQUIREMENT FRONT-END REQUIREMENTS

- Responsive Design:

Ensure seamless navigation and browsing on mobile, tablet and desktop devices.

- Essential Pages:

- Home:

- Showcase featured products and a prominent search bar.
 - Include section for top picks

- Blogs:

- About:

- Highlight the brand story, mission, values and what sets your 'sit ease' business apart

- Contact Us:

- Provide a contact form for customer inquiries (fields for name, email and message).

- Product listing/Shop:

- Offer filtering options (e.g. by price)

Product Details:

- Highlights product features such as color options, modularity, frame material.

Cart :

- Include an estimated shipping cost calculator.

Checkout:

- Enable guest checkout and account creation option.

SANITY CMS as BACKEND

Sanity CMS for managing product data, orders and customer details.

Here's a detailed schema design for Product, Order, Customer, Payment, Shipment and Delivery zone.

[Product]

```
export interface Product {
```

```
  id: string;
```

```
  name: string;
```

```
  description: string;
```

```
  price: number;
```

```
  image: image;
```

[Order]

```
export interface Order {  
    id: string;  
    product Id: string;  
    Quantity: number;  
    total Amount: number;  
    Order Date: String;  
}
```

[Customer]

```
export interface Customer {  
    id: string;  
    name: String;  
    email : string;  
    phone : string;  
    address : String;  
}
```

[Payment]

```
export interface Payment {  
    id :string;  
    Order: Order;  
    Status: ('Pending') | ('Completed') | ('Failed')  
    Amount: number;  
    payment date: string;  
}
```

[Shipment]

```
export interface Shipment {
    id: string;
    order: Order;
    trackingNumber: string;
    status: 'Pending' | 'Delivered' | 'Cancelled';
    estDelivery: string;
}
```

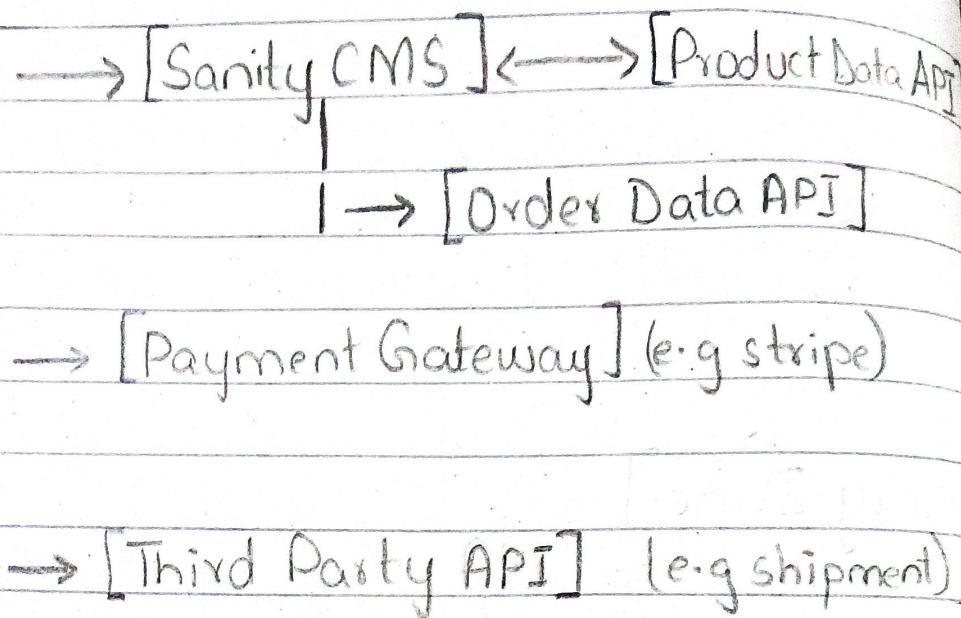
[Delivery Zone]

```
export interface DeliveryZone {
    id: string;
    zoneName: string;
    coverageAreas: string;
    shippingCost: number;
}
```

3. Third-Party APIs:

- Shipment Tracking
- Payment Gateway
- Contact Form.
- Google Maps.

DESIGN SYSTEM ARCHITECTURE



Plan API Requirements

1) Endpoint : /products.

Method: GET

Description: Fetch all available products.

2) Endpoint : /order

Method: POST

Description: Create new order

3) Endpoint : /payment

Method: POST

Description: Process payment for an order

4) Endpoint : /shipment

Method: GET

Description: Track the shipment status for an order

