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Day 2 – Technical planning for [Food Truck Q Commerce Marketplace]

## Technical Planning for Quick Commerce Food Truck Website

### Tech Stack:

- **Frontend:** Next.js (React framework)
- **Styling:** Tailwind CSS
- **Backend/CMS:** Sanity.io
- **APIs:** Third-party APIs for shipment, payment, and real-time order tracking

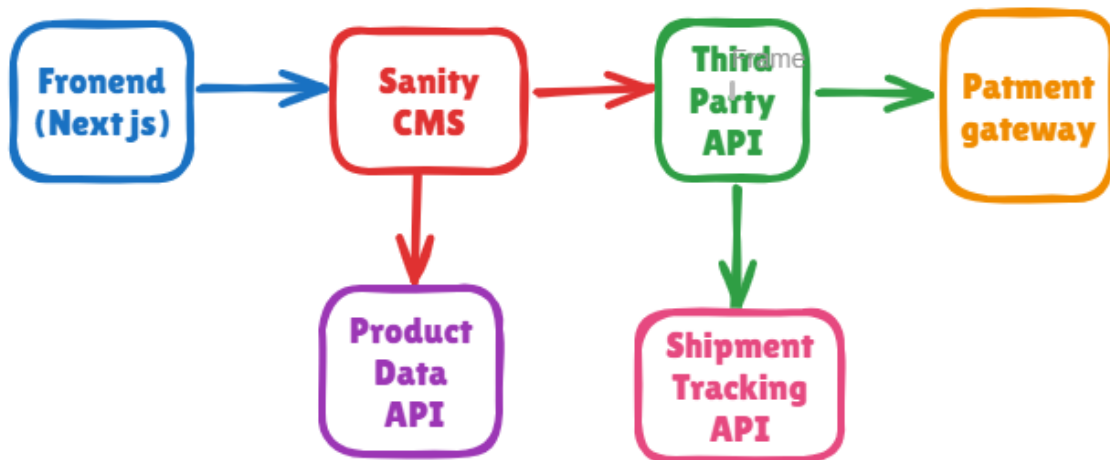
### Core Features:

1. **User Authentication** – Secure login/signup using NextAuth.js or Firebase
2. **Product Management** – Dynamic food menu managed via Sanity CMS
3. **Order Processing** – Real-time order updates using WebSockets or Polling
4. **Shipment Integration** – First shipment API for fast delivery tracking
5. **Payment Gateway** – Stripe/Razorpay integration for secure transactions
6. **Cart & Checkout** – Persistent cart with optimized checkout flow
7. **Admin Panel** – Dashboard for order and inventory management

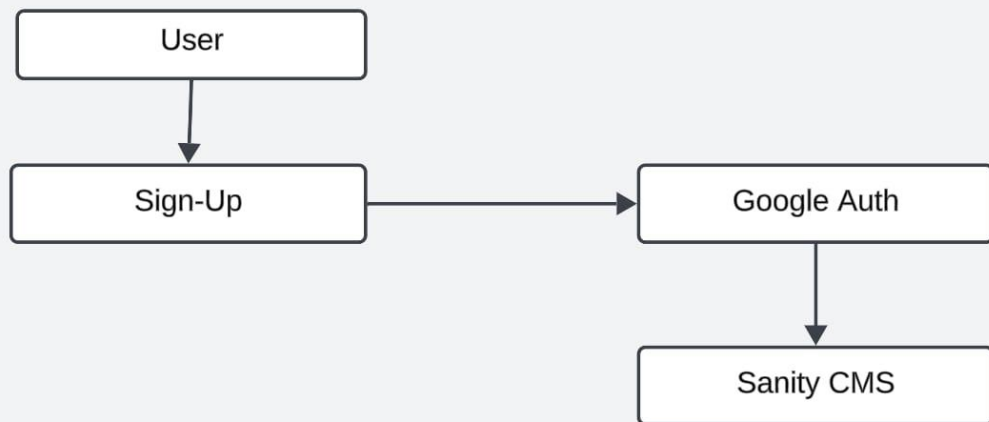
### Deployment & Optimization:

- **Hosting:** Vercel for seamless Next.js deployment
- **Database:** Sanity.io for structured content management
- **SEO & Performance:** SSR/ISR for fast page loads, Image Optimization, and caching strategies.

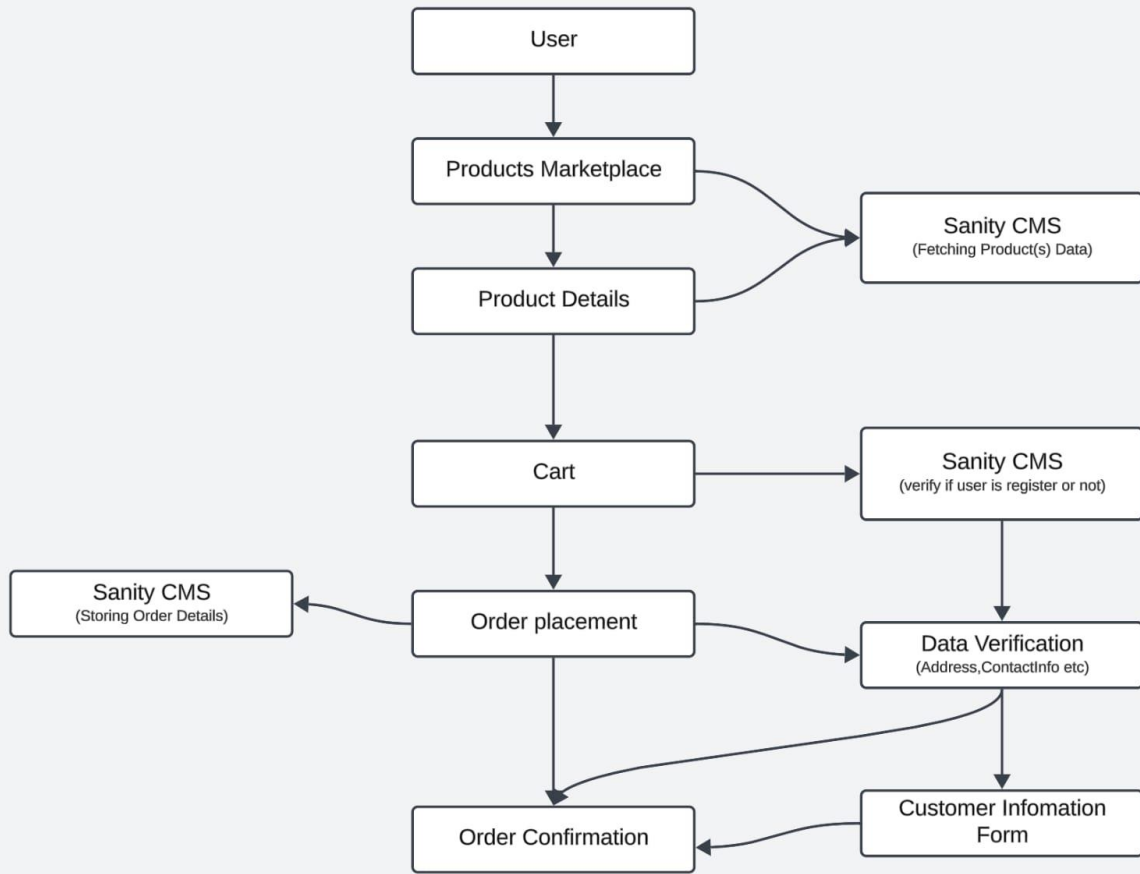
## SYSTEM ARCHITECTURE OVERVIEW BY MUHAMMAD BILAL QURESHI



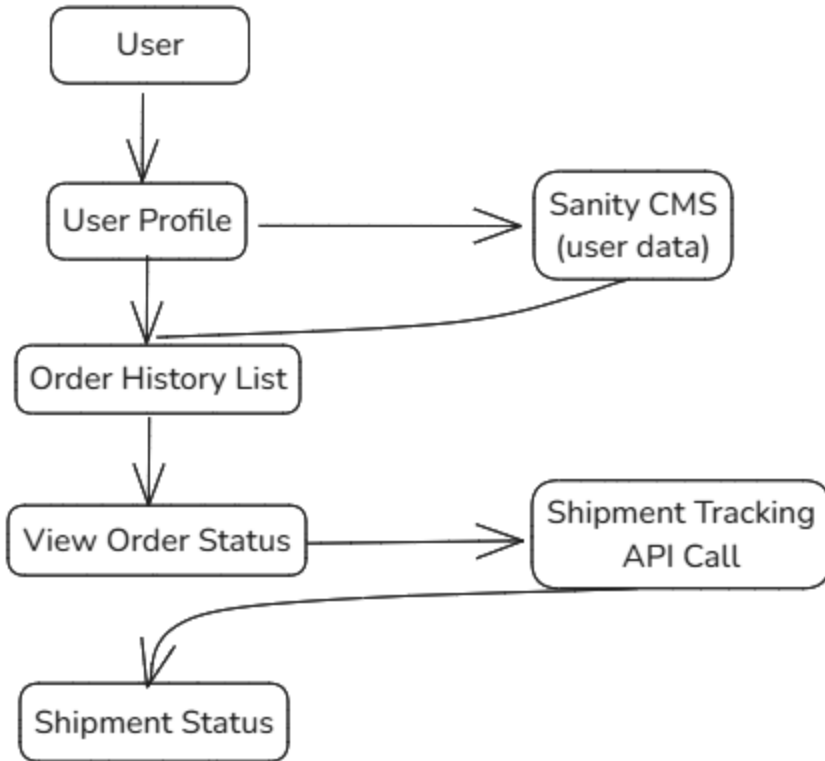
### User Registration



## Product Browsing and Order Placement



# Shipment Tracking



Untitled-1

```
export default {
  name: 'product',
  type: 'document',
  title: 'Product',
  fields: [
    {
      name: 'name',
      type: 'string',
      title: 'Product Name',
      description: 'Name of the product.',
      validation: (Rule) => Rule.required().max(100).error('Product name is required and must be under 100 characters.'),
    },
    {
      name: 'slug',
      type: 'slug',
      title: 'Slug',
      description: 'URL-friendly identifier for the product.',
      options: {
        source: 'name',
        maxLength: 200,
      },
      validation: (Rule) => Rule.required().error('Slug is required for product identification.'),
    },
    {
      name: 'description',
      type: 'text',
      title: 'Description',
      description: 'Detailed description of the product.',
      validation: (Rule) =>
        Rule.required()
          .min(20)
          .max(500)
          .error('Description must be between 20 and 500 characters.'),
    },
  ],
};
```

```
{
  name: 'price',
  type: 'number',
  title: 'Price',
  description: 'Price of the product.',
  validation: (Rule) =>
    Rule.required()
      .min(0)
      .error('Product price must be a positive value.'),
},
{
  name: 'discountPercentage',
  type: 'number',
  title: 'Discount Percentage',
  description: 'Percentage discount on the product.',
  validation: (Rule) =>
    Rule.min(0)
      .max(100)
      .error('Discount percentage must be between 0 and 100.'),
},
{
  name: 'priceWithoutDiscount',
  type: 'number',
  title: 'Price Without Discount',
  description: 'Original price of the product before discount.',
  readOnly: true,
  initialValue: (doc) => doc.price / (1 - doc.discountPercentage / 100),
},
```