

# Day : 02

## Planning the Technical Foundation

Here are the Technical Requirements for Food Website,

### 1: System Architecture Overview:

#### Food Website Overview:

#### → Frontend Pages :

##### 1.Home Page:

Central hub showcasing the menu, featured products, blogs, about and chef etc.

##### 2. Menu:

Displays all available food items and categories.

##### 3. Product Detail:

Detailed view of individual food items, including ingredients and customization options.

##### 4. Blog:

Section for food-related articles and tips.

##### 5. Blog Detail:

Individual blog view with full content.

##### 6. About Us:

Information about your brand, mission, and team

##### 7. Contact Page:

Form for users to reach out with inquiries or feedback.

## 8. Chef Section:

Highlight key chefs and their specialties.

## 9. Cart & Checkout:

User-friendly cart and secure checkout process.

## 10. Sign In/Sign Up:

Account management pages for users.

## 11.Shop:

**User Friendly All Foods Products Here.**

### → **Sanity Backend:**

**Sanity Backend Sanity CMS will be used for managing:**

- **Products:** Categories, prices, availability, and customizations.
- **Blogs:** Title, content, images, and tags for articles.
- **Chefs:** Name, Position, Speciality , Availability.
- **Customer Data:** User profiles, saved addresses, and order history.
- **Orders:** Real-time updates on status and delivery.

### → **Third-Party API Integrations:**

**1. Payment Gateways:** EasyPaisa or Jazzcash for secure online transactions.

**2. Food Delivery Services:** Integrate with delivery partners for seamless logistics.

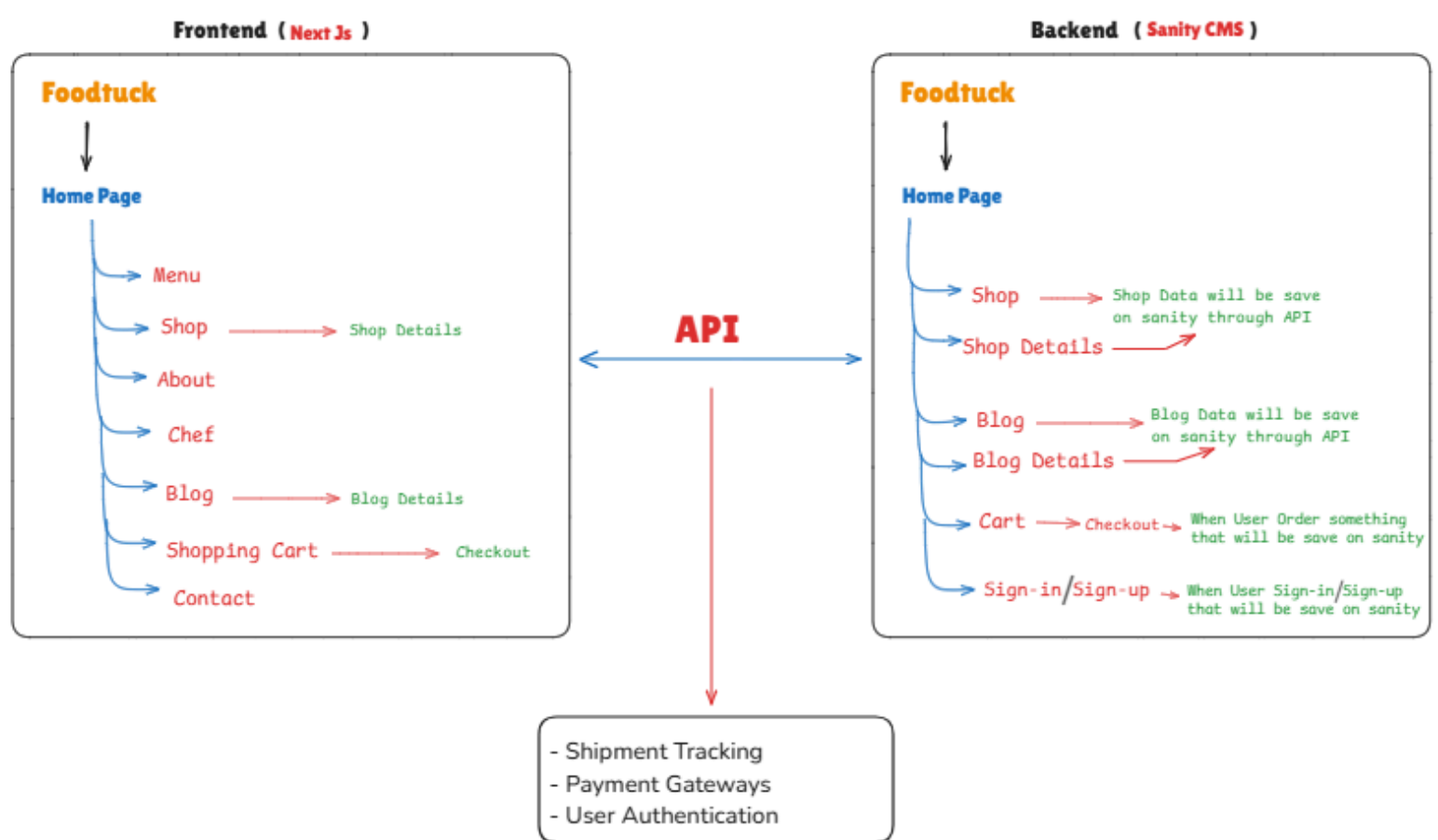
**3. User Authentication:** OAuth or custom authentication for sign-

in/sign-up.

**4. Order and Delivery Tracking:** APIs like Shippo for real-time order updates.

**5. Maps and Location Services:** Embed Google Maps API to show restaurant locations and delivery zones.

# System Architecture (Diagram)



## Technical Roadmap:

### 1. Frontend Development

- Milestone 1: Build the Home Page with basic navigation.
- Milestone 2: Create key pages: o Menu o Product Detail o Cart o Signup/Signin
- Milestone 3: Add dynamic sections: o Blog o Chef Section o Contact Page

## 2: Set up Sanity CMS for Backend Development :

- o Managing product data.
- o Managing blog posts. □ Milestone

## 3: Integrate APIs for:

- o Payment Gateways
- o Order & Delivery Tracking

## 4. Third-Party API Integration

- Step 1: Implement User Authentication (e.g., Sign in with Google/Facebook).
- Step 2: Add Food Delivery Services integration.
- Step 3: Connect Maps & Location Services for delivery.

## 5. Testing & Deployment

- Test the website for responsiveness and functionality.
- Deploy using platforms like Vercel.

**Final Deliverable:** **A fully functional, user-friendly food website with dynamic features and integrated APIs.**

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