

Marketplace Technical Foundation

(AS foods)

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, and chef highlights.
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.

Sanity Backend

Sanity CMS will be used for managing:

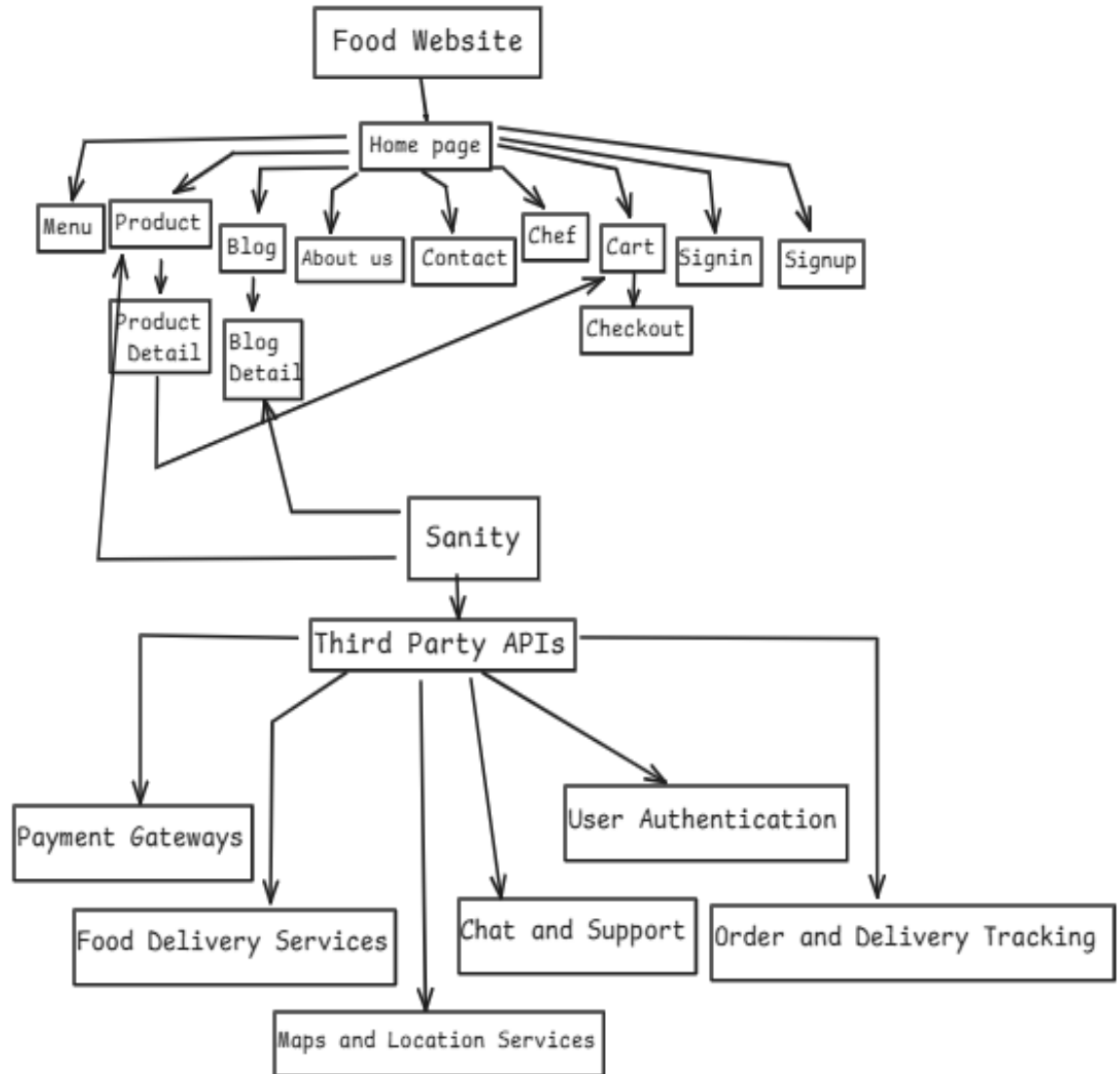
- **Products:** Categories, prices, availability, and customizations.
- **Blogs:** Title, content, images, and tags for articles.
- **Customer Data:** User profiles, saved addresses, and order history.
- **Orders:** Real-time updates on status and delivery.

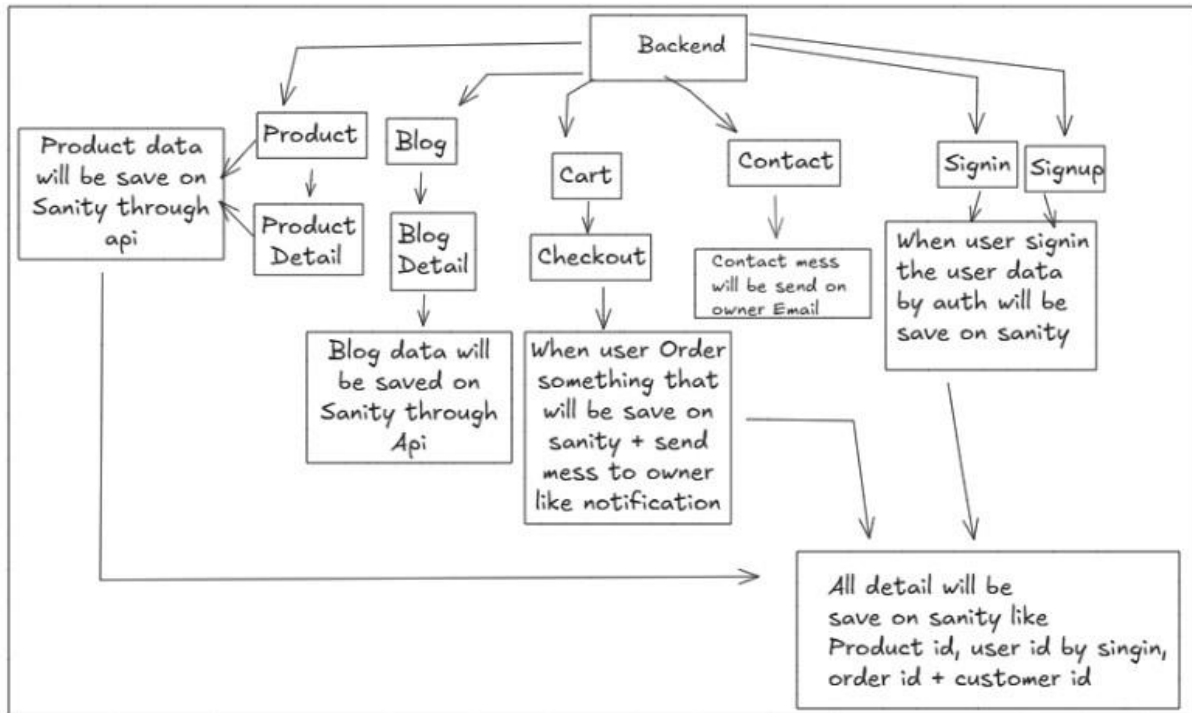
Third-Party API Integrations

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:**

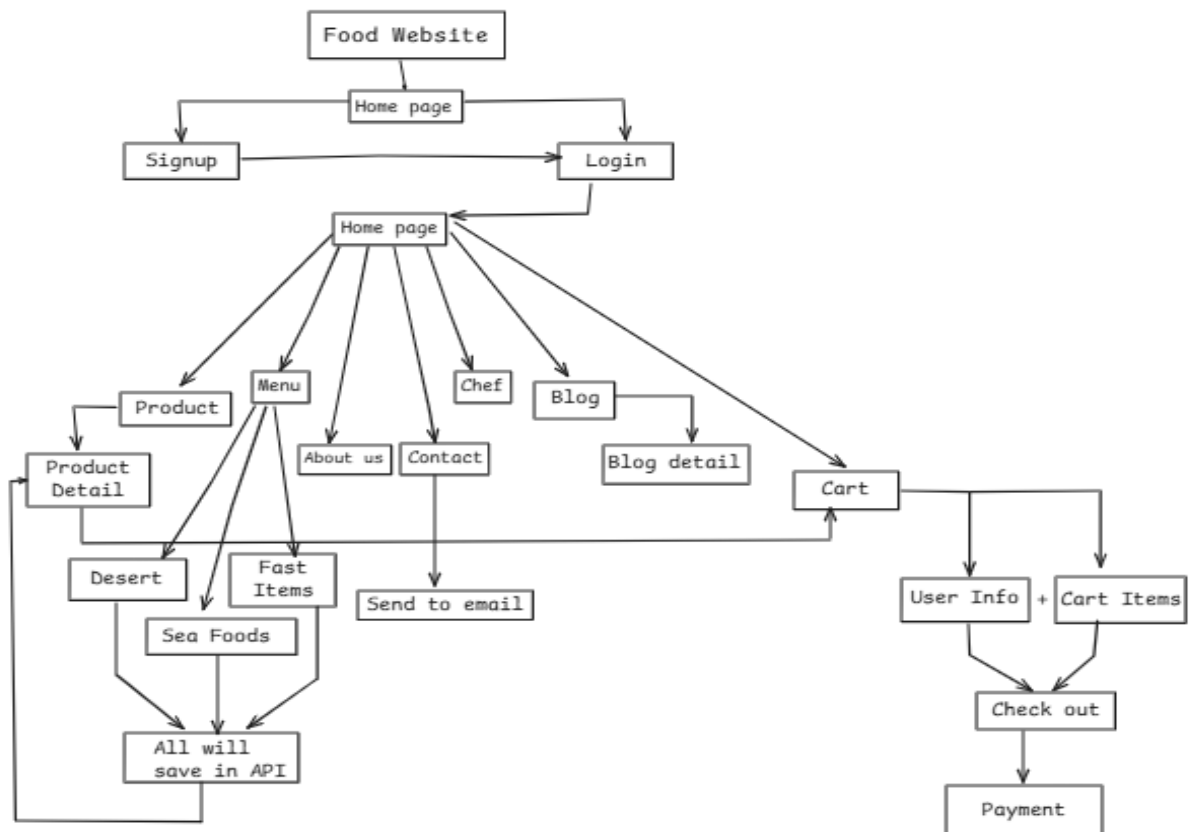
- Embed **Google Maps API** to show restaurant locations and delivery zones.

System Architecture Overview (Diagram):





3:Workflow Diagram:



5: Technical Roadmap:

1. Frontend Development

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

2. Backend Development

- **Milestone 1:** Set up Sanity CMS for:
 - Managing product data.
 - Managing blog posts.
- **Milestone 2:** Integrate APIs for:
 - **Payment Gateways**
 - **Order & Delivery Tracking**

3. 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.

4. 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.