

# *MARKETPLACE TECHNICAL FOUNDATION*

## *(ASRA FURNITURE'S)*

### Overview Of System Architecture:

#### Furniture Website Overview:

A comprehensive platform for showcasing furniture, home decor products, and offering seamless shopping experiences.

#### Details of Frontend Pages:

1. **Home Page**: A central hub showcasing featured furniture, new arrivals, offers, and style guides.
2. **Product Catalog**: Displays all available furniture items, categorized by type (e.g., sofas, chairs, tables, etc.) and style (modern, vintage, etc.).
3. **Product Detail**: Detailed view of individual furniture items, including materials, dimensions, customization options, and care instructions.
4. **Blog**: Section for home improvement articles, furniture care tips, and style guides.
5. **About Us**: Information about your brand, mission, and the story behind your furniture designs.
6. **Contact Page**: Form for users to reach out with inquiries, returns, or feedback.
7. **Cart & Checkout**: User-friendly cart with an easy checkout process, offering multiple payment methods.
8. **Sign In/Sign Up**: Account management pages for users to track their orders, saved preferences, and purchase history.

## Sanity:

Sanity CMS is used for managing these data.

**Products**: Categories (e.g., Sofas, Tables, Chairs), pricing, availability, materials, and customization options (e.g., colors, sizes).

**Blogs**: Title, content, images, and tags for articles related to furniture, design tips, and industry news.

**Customer Data**: User profiles, saved shipping addresses, and order history.

**Orders**: Real-time updates on status (processing, shipped, delivered) and delivery tracking.

## Third-Party API Integrations:

### 1. **Payment Gateways**:

Integrate with payment solutions like EasyPaisa or JazzCash for secure transactions.

### 2. **Furniture Delivery Services**:

Integration with logistics partners (e.g., TCS, M&P) for real-time shipping updates and delivery tracking.

### 3. **User Authentication**:

Use custom user authentication to manage account creation, login, and session management.

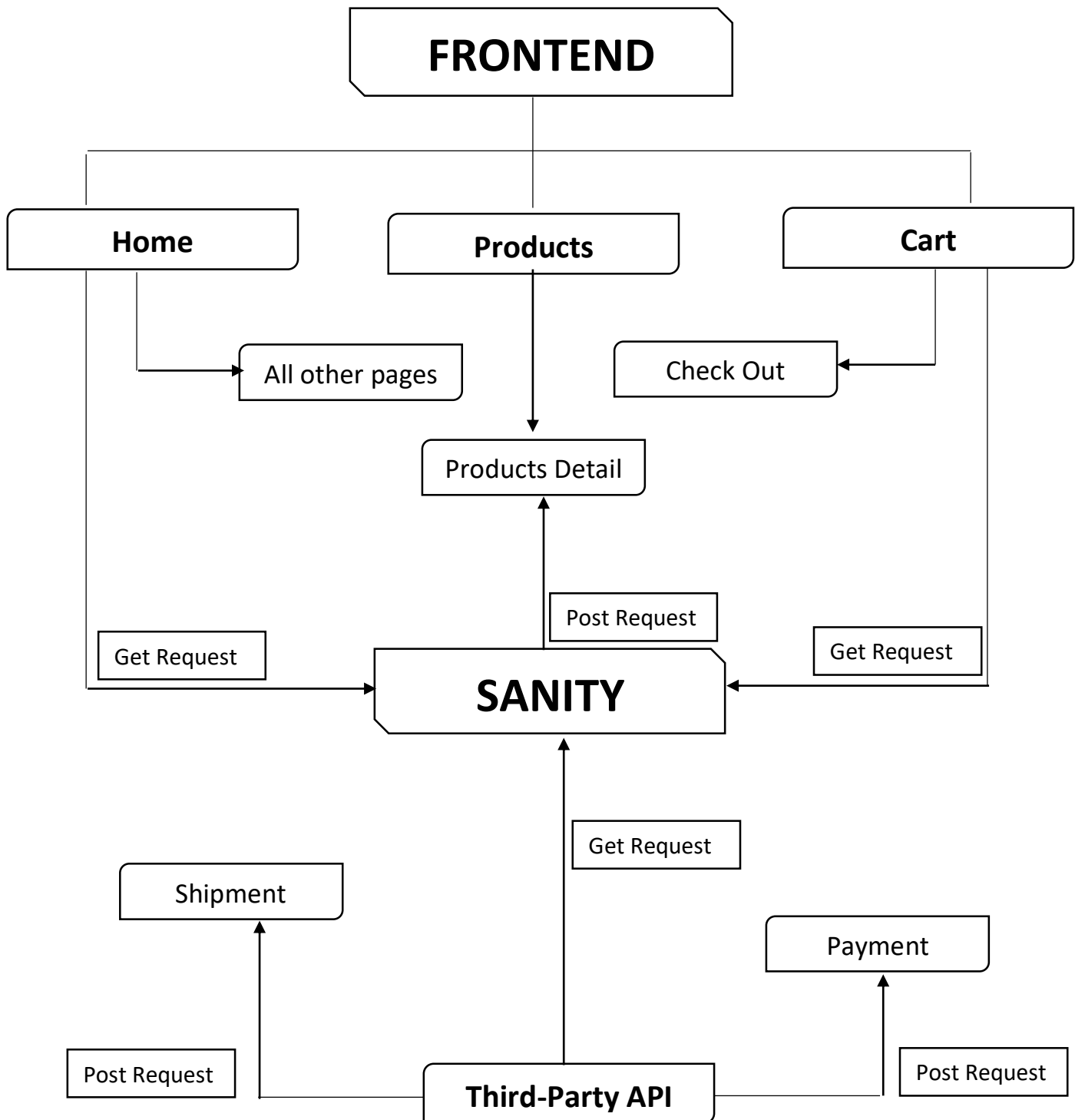
### 4. **Order and Delivery Tracking**:

Integration with APIs like Shippo or local delivery systems for tracking orders.

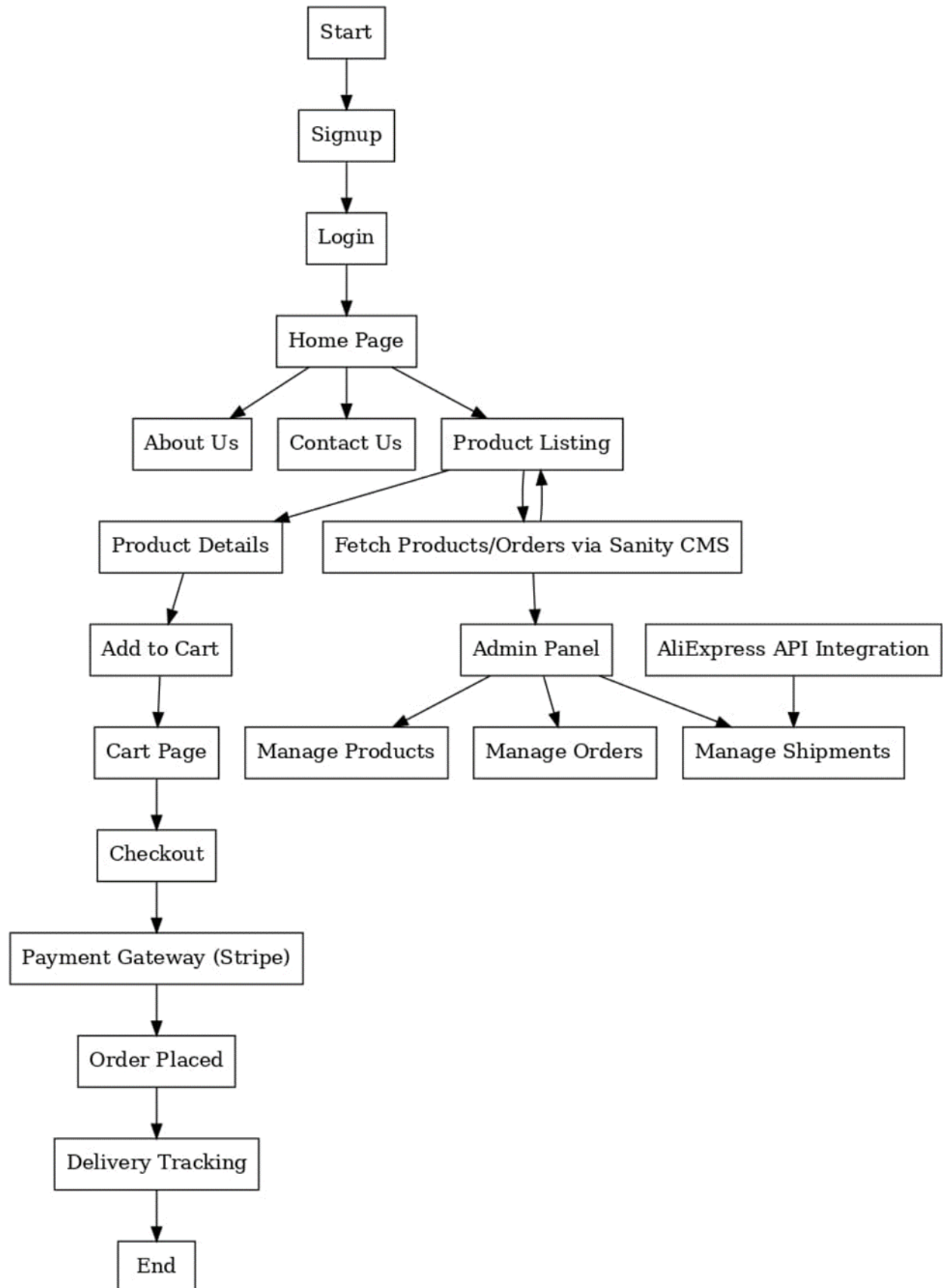
### 5. **Maps and Location Services**:

Google Maps API to show store locations, showroom maps, or delivery zones.

## Diagram Of System Architecture:



## Workflow Diagram:



# Technical Roadmap:

## 1. Frontend :

Build the Home Page with basic navigation.

Products Categories: like Sofas, Chairs, etc.

Product Detail: Product info with images and options.

Cart: Show cart items and checkout.

Signup/Signin: User login and registration.

Blog: Articles on furniture tips and trends.

Contact Page: Contact form and store details.

## 2. Backend :

### Sanity CMS:

Managing product data: Product details and images.

Managing blog posts: Create and manage blog content.

Payment Gateways: Secure payment integration.

Order & Delivery Tracking: Track orders and shipping status.

### Third-Party API Integration:

User Authentication: Sign in with Google/Number.

Add Furniture Delivery Services: Logistics and shipping.

Location for delivery: Calculate delivery charges.

## **Testing of website & Deployment:**

**Check:** responsiveness and functionality.

**Deploy:** Use platforms like Vercel or Netlify for hosting.