

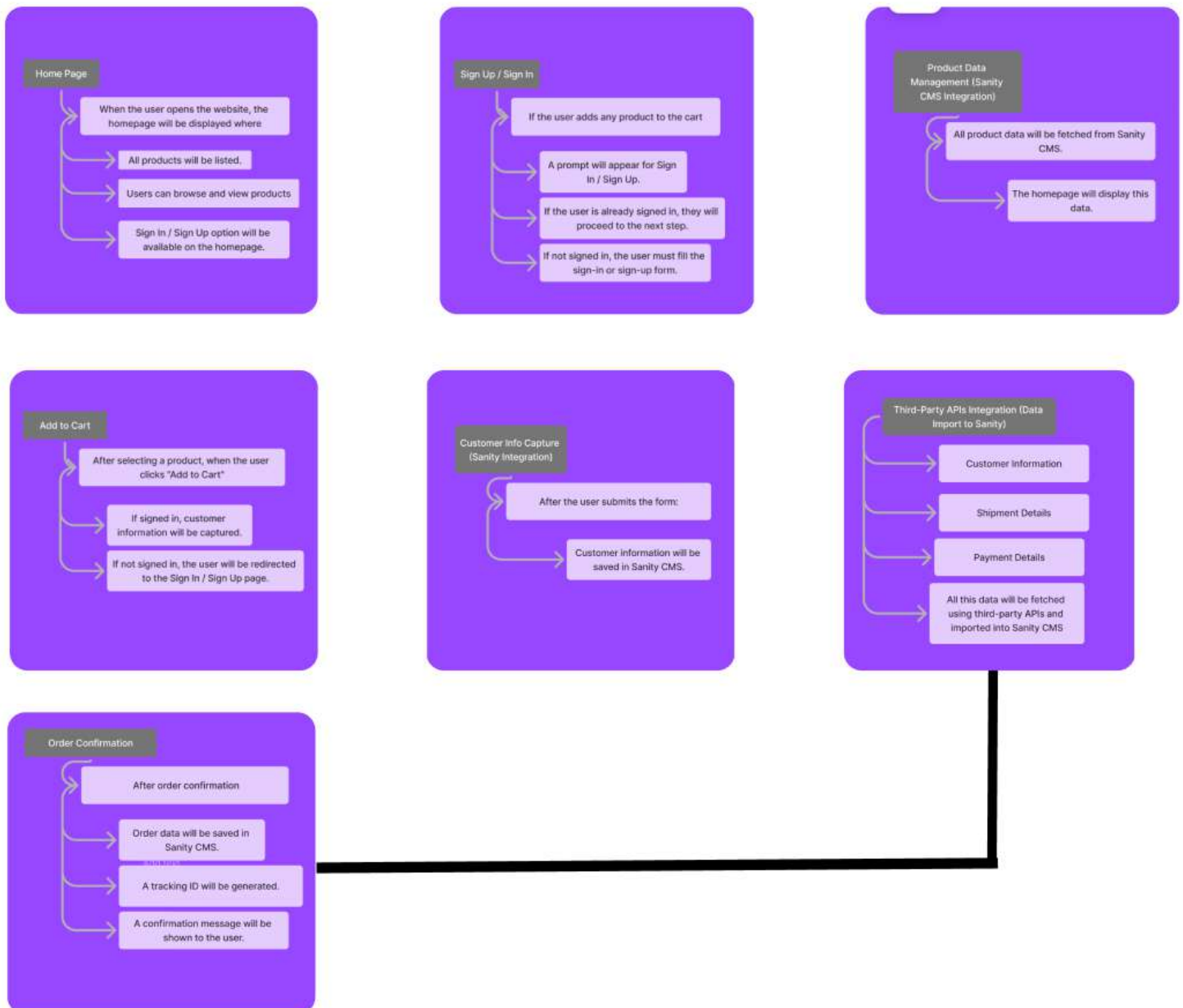
# Marketplace Technical Documentation

## 1. Introduction

- Purpose: The purpose of this document is to describe the technical planning for the e-commerce furniture website.
- Project Overview: The goal of the website is to sell furniture through an easy-to-use platform, providing customers with a seamless online shopping experience.k

## 2. System Architecture

- Overview: This diagram will show the structure of the system, illustrating how the frontend, Sanity CMS, and third-party APIs interact.



# 3. Technical Requirements

Frontend (Next.js):

- UI Design: Use Next.js to build a responsive layout with dynamic routing. Incorporate Tailwind CSS for styling and DaisyUI or Shadcn for component design, focusing on user experience.
- Homepage: Include sections like featured products, sales, promotions, and easy-to-use navigation links to product categories.
- Product Listing: Implement filters for attributes like size, color, price, etc. Consider using React state and effects for dynamic filtering.
- Cart Page: Enable users to review items, change quantities, or remove products. Utilize local storage or session storage to persist cart data.
- Checkout Page: Ensure a smooth checkout experience with a user-friendly form for shipping information, and integrate with the chosen payment gateway.

Sanity CMS:

- Content Management: Use Sanity's structured content management features to handle product catalog updates, categories, and user order details.
- Product and Order Management: Sanity will store product details (name, price, description, etc.) and customer order information.

Third-Party APIs:

- Payment Gateway Integration: Integrate services like PayPal, Stripe, or Razorpay for handling transactions securely. Ensure proper tokenization for payment security.
- Shipment Tracking: Use third-party APIs (e.g., Shippo or EasyPost) to retrieve tracking information and status updates for shipped orders.

# 4. API Requirements

