MarketPlace Technical Foundation (As Furniture & Clothes)

Technical Requirements For Furniture & clothes Website

1:System Architecture Overview

Frontend (Next.js)

The frontend serves as the user interface, enabling customers to navigate through the website and perform actions such as viewing products, placing orders, and contacting support.

Main Features

1. **Home Page**: Entry point showcasing featured products.

2. **About Page**: Information about the brand and its mission.
3. **Product Listing**: Display of available furniture and clothing items.
4. **Product Detail**: Detailed view of each product, including specifications and customization options.
5. **Cart and Wishlist**: Allows users to save products for purchase or future reference.
6. **Checkout**: A form to collect user details for order confirmation.
7. **Order Confirmation**: Displays shipping and order details to the user.
8. **Login/Sign-Up**: Account management system with authentication.
9. **Contact Page**: Enables users to send messages to the admin.

Backend / Sanity CMS

The backend handles all data management, storing user and product information securely. **Sanity CMS** is integrated to manage dynamic content and streamline data handling.

Stored Data

- **Product Data**: Categories, IDs, descriptions, and inventory details.
- **User Data**: Profiles, including User IDs and addresses.
- **Order Data**: Customer ID, order history, and real-time updates.
- **Contact Messages**: User inquiries are sent to the admin's email.

Workflow Cycle

1. **User Navigation**:
   - Users browse products, add items to their cart, or save them to the wishlist.
   - Detailed product views and categories guide purchasing decisions.
2. **Order Placement**:
   - Users proceed to checkout, fill in their details, and confirm their order.
   - Data is securely saved in **Sanity CMS**, and notifications are sent to the admin.
3. **Order Confirmation**:
   - Upon payment, order details and shipment status are displayed to the user.

4. **Log In/Sign-Up**:
    ○ New users can register, and returning users can log in via **OAuth** or custom authentication.
    ○ Data is synced with **Sanity CMS** for account management.
5. **Contact Form**:
    ○ Messages from users are forwarded to the admin's email for feedback or queries.

Third-Party API Integrations

1. **Shipping Tracking APIs**:
    ○ Real-time tracking information for orders.
2. **Payment Gateway**:
    ○ Secure online payments using **EasyPaisa** or **JazzCash**.
3. **Delivery Services**:
    ○ Seamless logistics integration with third-party services.
4. **User Authentication**:
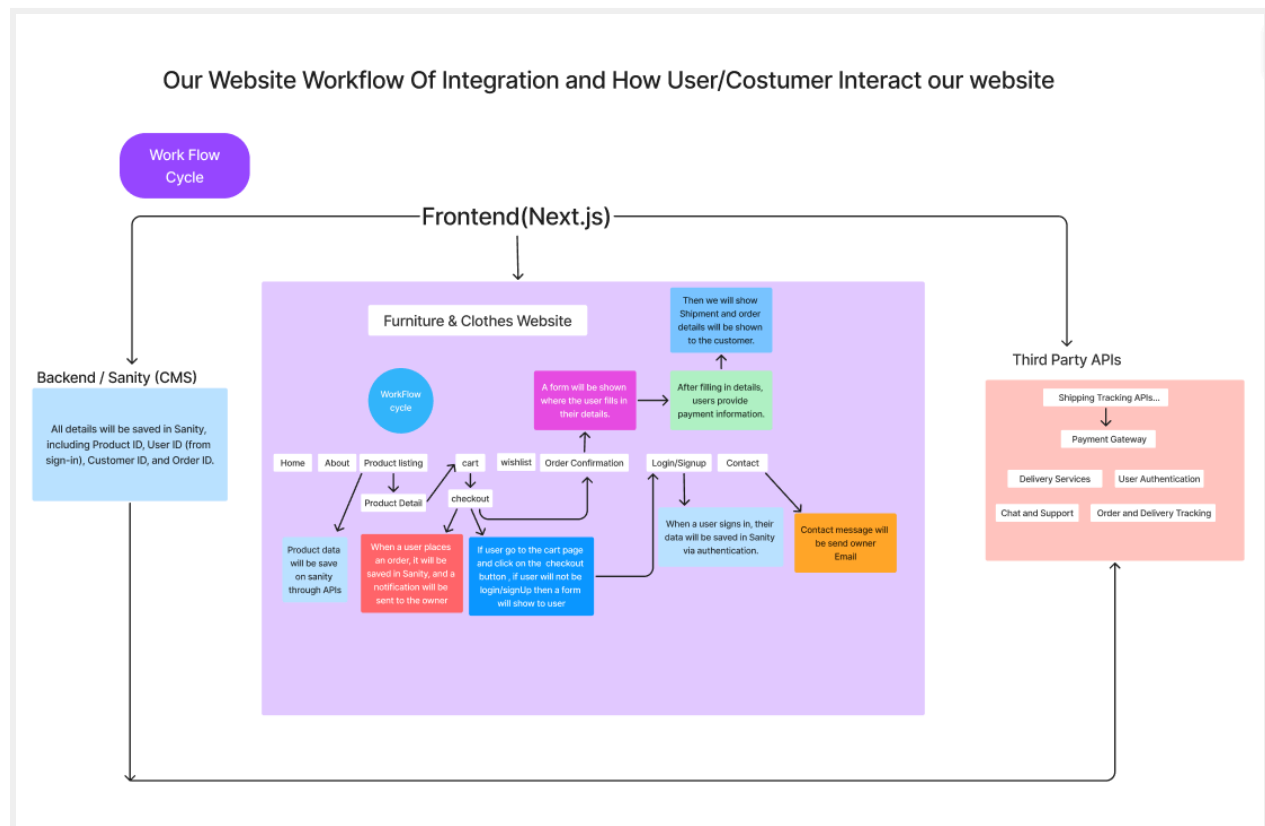   ○ Ensures secure login and signup for users.
5. **Order and Delivery Tracking**:
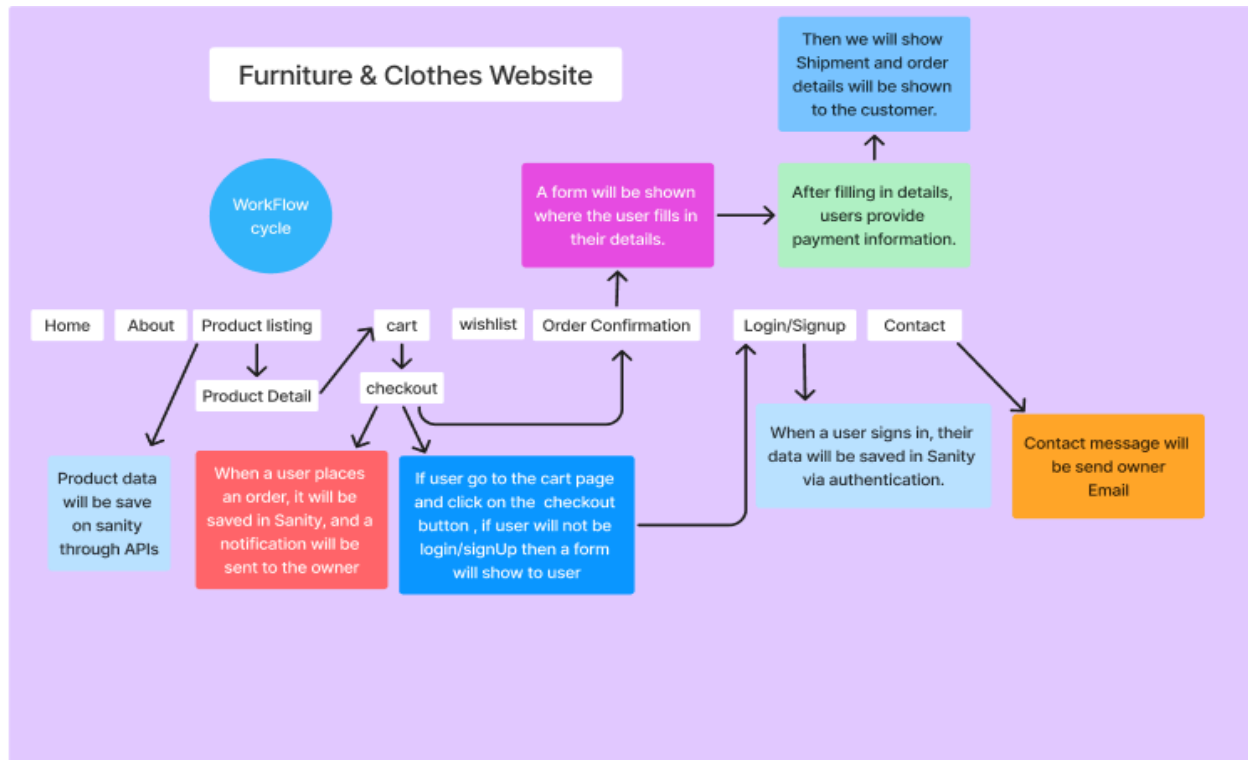   ○ APIs like **Shippo** provide updates on order status.
6. **Chat and Support**:

- Integration of real-time chat for customer inquiries.

System Architecture Overview Diagram

Our Website Workflow Of Integration and How User/Costumer Interact our website

3:<u>*WorkFlow Diagram*</u>

5:<u>*Technical Roadmap*</u>

1:Frontend Development

Milestone 1: Build the Home page with basic Navigation

Milestone 2: Create key pages:

- Furniture Collection
- Clothing Collection
- Product Listing
- Cart

- Signup/Sign In
- Log In/ Log out
- WishList

Milestone 3: Add Dynamic pages
- Product Detail
- Contact

2:Backend Development

Milestone 1: Set up of Sanity CMS for
Managing product Data

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 Delivery Service 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 **Furniture & Clothes website** with dynamic features and integrated APIs.