

# Template 6 “Furniro” E Commerce Website

## 1. Project Overview

- **Project Name:** Marketplace Furniture Hub
- **Objective:** Build an e-commerce platform to facilitate furniture shopping for customers, with an admin dashboard for efficient management.
- **Tech Stack:**
  - **Frontend:** Next.js, Tailwind CSS
  - **Backend:** Sanity for CMS, Third-party APIs for shipment tracking
  - **Tools:** REST APIs, Postman for API testing

## 2:Features

1. **User/Client Features**
  - **Sign-up/Login:** Secure authentication for personalized experience.
  - **Navigation:** Easy access to Homepage, Shop, Blog, and Contact sections.
  - **Product Listing:** Display of furniture products with filtering options.
  - **Cart Management:** Add products to cart, view subtotal, and proceed to checkout.
  - **Order Tracking:** Access shipment status and estimated delivery dates.
2. **Admin Features**
  - **Product Management:** Add/edit products via Sanity CMS.
  - **Order Management:** Monitor and process orders using integrated APIs.
  - **Shipment Tracking:** Retrieve order shipment details via third-party API.

## 3: API Design

### 1. /products Endpoint

- **Method:** GET
- **Purpose:** Fetch all available products from Sanity CMS.
- **Response:** JSON with product details (ID, name, price, stock, image).

### 2. /orders Endpoint

- **Method:** POST
- **Purpose:** Create a new order in the system.
- **Payload:**
  1. Customer info
  2. Product details
  3. Payment status

### 3. /shipment Endpoint

- **Method:** GET
- **Purpose:** Track order shipment status.
- **Response:** Shipment ID, order ID, current status, expected delivery date.

#### 4. User Journey

1. **Homepage:** Users land on the homepage and explore sections like Shop, Blog, and Contact.
  2. **Shop:** Users browse through available furniture products, view product details, and select sizes.
  3. **Cart:** Add selected items to the cart, view total price, and proceed to checkout.
  4. **Checkout:** Users complete payment, which initiates admin processing of orders and shipments.
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#### 5. Admin Workflow

1. **Product Management:** Add and update products in Sanity CMS.
  2. **Order Processing:** Manage new orders and initiate shipment via APIs.
  3. **Shipment Tracking:** Monitor status and update users about delivery timelines.
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#### 6. Technical Flow Summary

- Users interact with the platform through a clean UI (React).
- Backend handles data requests with Express.js Restful APIs.
- Admin uses a side navigation panel to manage the marketplace via Sanity.
- Shipment tracking is integrated via a third-party APIs.