

# Furniro: Luxury Furniture for a Luxurious Life

## Technical Documentation

### Version 1.0

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## Introduction

This document outlines the technical architecture of **Furniro**, a premium e-commerce platform offering luxury furniture for a sophisticated lifestyle. Designed for discerning customers, Furniro provides an elegant and seamless shopping experience. Built with **Next.js**, **Sanity CMS**, and third-party APIs, the platform combines performance, style, and functionality to cater to luxury shoppers.

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## Tech Stack

### Front-End

- **Framework:** Next.js for fast, server-rendered pages and smooth navigation.
- **Styling:** Tailwind CSS for sleek, modern, and responsive designs.
- **TypeScript:** Ensures clean and maintainable code.

## Back-End

- **Sanity CMS:** Manages luxury product catalogs, orders, and customer data.
- **Third-Party APIs:**
  - **Payments:** Stripe and PayPal for secure, high-end transactions.
  - **Shipment Tracking:** ShipEngine API for real-time delivery updates.

## Development Tools

- **GitHub:** For version control and team collaboration.
  - **Postman:** For API testing and debugging.
  - **Vercel:** For seamless deployment and hosting.
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## Key Features

- **Luxury Curation:** Handpicked collections of high-end furniture.
  - **Customization:** Personalize furniture with premium materials, colors, and finishes.
  - **Real-Time Tracking:** Stay updated on your order's journey with live tracking.
  - **Guest Checkout:** Shop without creating an account for a hassle-free experience.
  - **Mobile Elegance:** A fully responsive design for luxury shopping on any device.
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## Essential Pages

1. **Home Page:** Showcases exclusive collections and designer pieces.
  2. **Product Listing:** Browse luxury furniture by category, style, or price range.
  3. **Product Details:** Explore high-quality images, detailed descriptions, and customization options.
  4. **Cart:** Review and refine your selections before checkout.
  5. **Checkout:** Securely enter shipping details and complete your purchase.
  6. **Order Confirmation:** Receive a summary of your order and estimated delivery date.
  7. **Shipment Tracking:** Track your luxury purchase in real-time.
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# System Workflow

1. **Browse Luxury Collections:** Explore curated furniture designed for a luxurious lifestyle.
  2. **Add to Cart:** Select your favorite pieces and customize them if needed.
  3. **Checkout:** Enter shipping details and pay securely.
  4. **Order Confirmation:** Get a summary of your order and tracking information.
  5. **Track Shipment:** Follow your order's journey until it arrives at your doorstep.
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## API Specifications

### Fetch Luxury Products

- **Endpoint:** `/api/products`
- **Method:** `GET`
- **Response Example:**

```
[
  {
    "id": "101",
    "name": "Designer Leather Sofa",
    "price": 2999,
    "category": "Living Room"
  }
]
```

### Place Order

- **Endpoint:** `/api/orders`
- **Method:** `POST`
- **Payload Example:**

```
{
  "items": [
    { "productId": "101", "quantity": 1 }
  ],
  "totalAmount": 2999
}
```

```
}
```

- **Response Example:**

```
{  
  "message": "Order placed successfully",  
  "orderId": "123456"  
}
```

## Track Shipment

- **Endpoint:** `/api/shipment/{orderId}`
- **Method:** `GET`
- **Response Example:**

```
{  
  "orderId": "123456",  
  "status": "Shipped",  
  "estimatedDelivery": "2025-02-01"  
}
```

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## Sanity CMS Schemas

1. **Product Schema:** Stores details like name, price, high-quality images, and customization options.
  2. **Order Schema:** Tracks order status, payment details, and shipment information.
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## FAQs

### Q1: What is Furniro?

**A:** Furniro is a luxury e-commerce platform offering high-end furniture for a sophisticated lifestyle.

### Q2: What technologies power Furniro?

**A:** Furniro uses Next.js, Sanity CMS, Tailwind CSS, and third-party APIs for payments and tracking.

**Q3: Do I need an account to shop?**

**A:** No, Furniro supports guest checkout for a seamless luxury shopping experience.