

# Comforty: Luxury Chairs and Sofas

## Technical Documentation

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## 1. Introduction

Comforty is a premium e-commerce platform specializing in luxury chairs and sofas, designed to provide a seamless and elegant shopping experience. Built with **Next.js**, **TypeScript**, **Tailwind CSS**, **Sanity CMS**, and **third-party APIs** (Stripe, PayPal, ShipEngine), Comforty combines performance, style, and functionality to cater to discerning customers.

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## 2. Tech Stack

### Front-End

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

## Back-End

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

## Development Tools

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

- **Luxury Curation:** Handpicked collections of high-end chairs and sofas.
  - **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:** Fully responsive design for luxury shopping on any device.
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## 4. Essential Pages

1. **Home Page:** Showcases exclusive collections and designer pieces.
2. **Product Listing:** Browse luxury chairs and sofas 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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## 5. System Workflow

1. **Browse Luxury Collections:** Explore curated chairs and sofas.
  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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## 6. API Specifications

### Fetch 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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## 7. Sanity CMS Schemas

### Product Schema

```
import { defineType } from "sanity";

export const productSchema = defineType({
  name: "products",
  title: "Products",
  type: "document",
  fields: [
    {
```

```

    name: "title",
    title: "Product Title",
    type: "string",
  },
  {
    name: "price",
    title: "Price",
    type: "number",
  },
  {
    title: "Price without Discount",
    name: "priceWithoutDiscount",
    type: "number",
  },
  {
    name: "badge",
    title: "Badge",
    type: "string",
  },
  {
    name: "image",
    title: "Product Image",
    type: "image",
  },
  {
    name: "description",
    title: "Product Description",
    type: "text",
  },
  {
    name: "inventory",
    title: "Inventory Management",
    type: "number",
  },
},
],
});

```

## Category Schema

```

import { defineType } from "sanity";

export const categorySchema = defineType({

```

```
name: 'categories',
title: 'Categories',
type: 'document',
fields: [
  {
    name: 'title',
    title: 'Category Title',
    type: 'string',
  },
  {
    name: 'image',
    title: 'Category Image',
    type: 'image',
  },
  {
    title: 'Number of Products',
    name: 'products',
    type: 'number',
  }
],
});
```

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## 8. FAQs

### Q1: What is Comforty?

- **A:** Comforty is a luxury e-commerce platform offering high-end chairs and sofas for a sophisticated lifestyle.

### Q2: What technologies power Comforty?

- **A:** Comforty uses Next.js, TypeScript, Tailwind CSS, Sanity CMS, and third-party APIs (Stripe, PayPal, ShipEngine).

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

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

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## 9. Closing

Thank you for choosing **Comforty**! For any inquiries, feel free to contact us.