Day 4: Comprehensive Guide to Dynamic Marketplace Components

This document offers an in-depth exploration of the essential features for a dynamic marketplace, focusing on modularity, reusability, and seamless integration with Sanity CMS. Each component is thoroughly examined, followed by a summary of the approach.

Step 1: Functionalities Overview:

• Top List Products.

• Product Display Page.

• Dynamic URL Handling.

• Shopping Cart Feature.

• Order Checkout Process.

• Price Calculation Mechanism.

Every feature plays a vital role in creating a responsive and scalable marketplace.

• Top List Products.

The Top List Products section highlights the most popular and highly-rated items in the marketplace. These products are carefully curated based on user preferences, reviews, and sales performance, ensuring that customers can easily discover the best offerings available.

Top Picks For You

Find a bright ideal to suit your taste with our great selection of suspension, floor, and table lights.

Pink Lounge Chair
Rs. 1600

Hans Wegner Style Three-Legged Shell Chair
Rs. 990
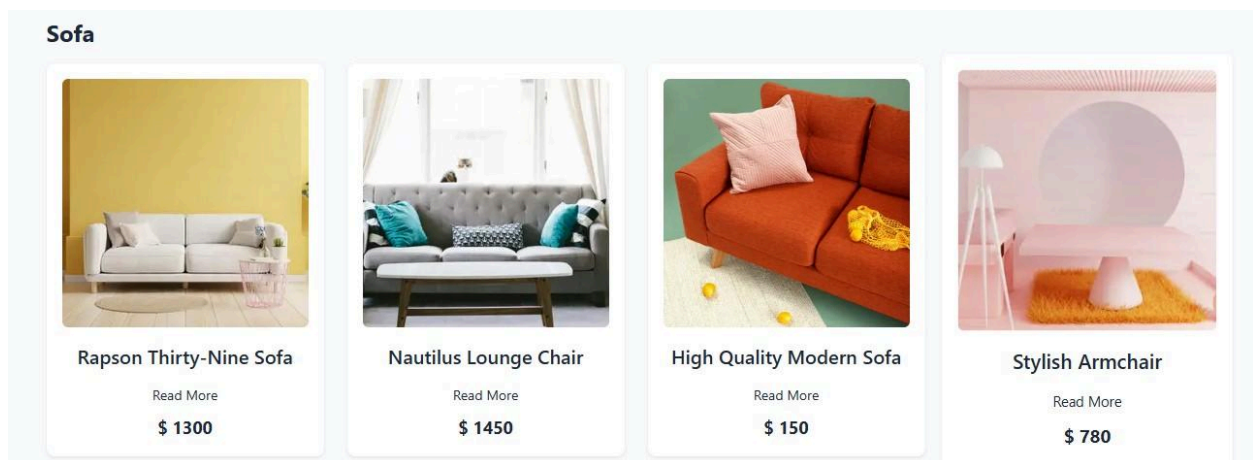
Chair Wibe
Rs. 1200

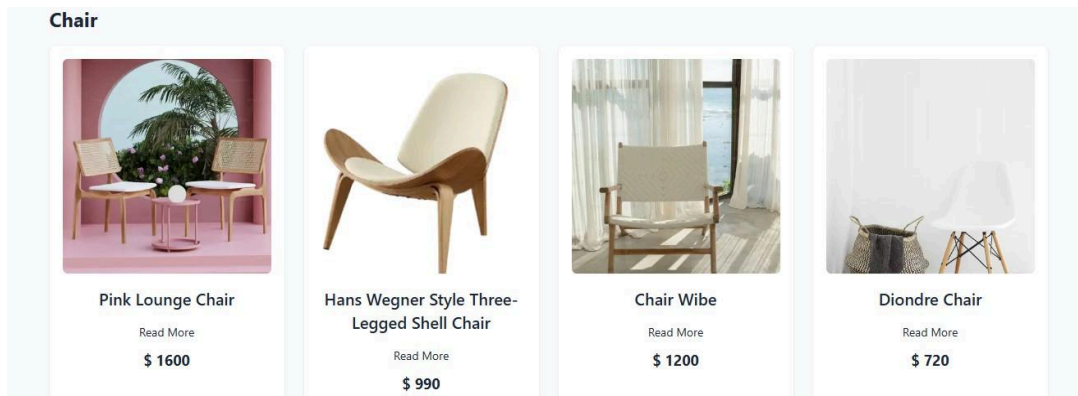Diondre Chair
Rs. 720

Armchair Chair Set
Rs. 850

View More

Step 2: Detailed Overview of Functionalities

1. **Product Catalog Page**

   The Product Catalog Page serves as the main hub where users can explore all available items, categorized into types like chairs, sofas, tables, and beds, in an organized and visually engaging manner. The products are dynamically retrieved from Sanity CMS and presented in either a grid or list format for easy browsing.
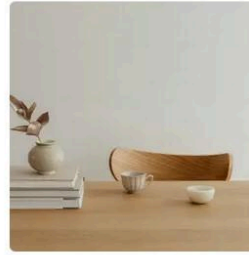

Chair

Pink Lounge Chair	Hans Wegner Style Three-Legged Shell Chair	Chair Wibe	Diondre Chair
Read More	Read More	Read More	Read More
$ 1600	$ 990	$ 1200	$ 720

Sofa

Rapson Thirty-Nine Sofa	Nautilus Lounge Chair	High Quality Modern Sofa	Stylish Armchair
Read More	Read More	Read More	Read More
$ 1300	$ 1450	$ 150	$ 780

Table
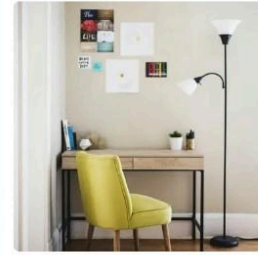
Replica Table	Liberty Center	Alpha Table	Sleek Modern Table
Read More	Read More	Read More	Read More
$ 750	$ 1100	$ 900	$ 2000

Bed
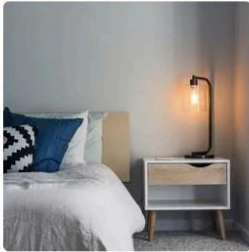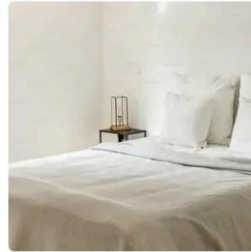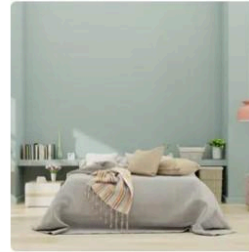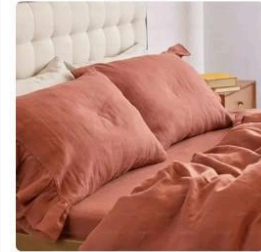
| Matilda Velvet Bed	White Bed	Solid Bed	Red Bed
Read More	Read More	Read More	Read More
$ 600	$ 120	$ 100	$ 320

2. Dynamic routing enables the creation of individual product detail pages, allowing users to access comprehensive information about each product.

Detailed Description:

- **Each product is assigned a unique identifier (ID or slug), which is utilized to dynamically generate its URL (e.g., `/product/[id]`).**
- **These pages are server-rendered to enhance SEO and provide faster initial load times.**
- **Dynamic routes display details such as product descriptions, images, price, stock status, and reviews.**

- **This approach ensures scalability, allowing new products to automatically generate corresponding pages without manual intervention.**
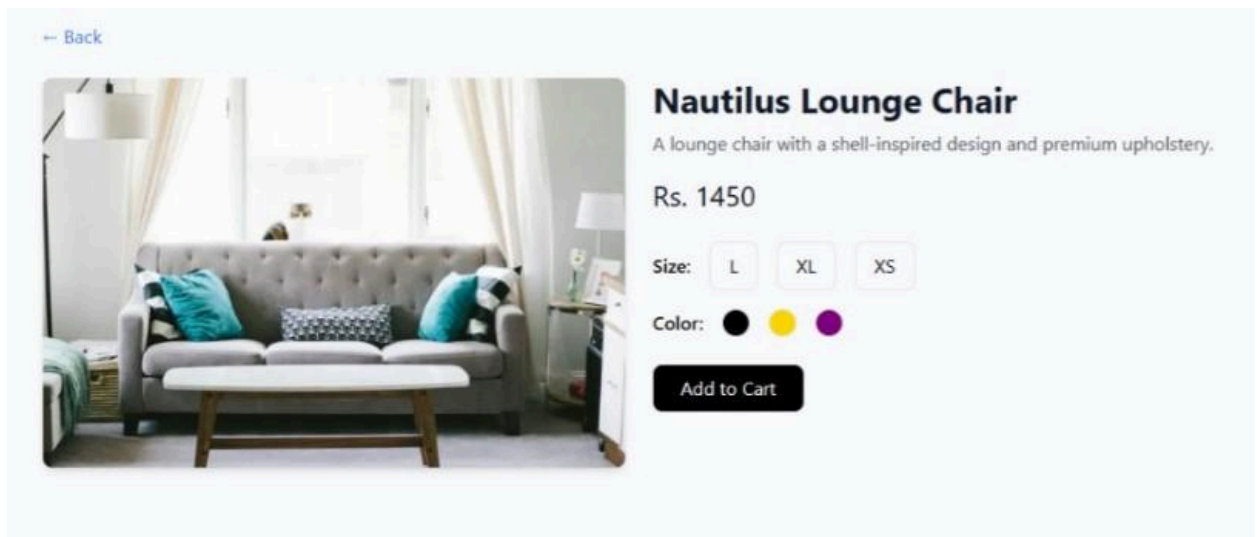
3. The Cart Functionality manages the user's selected items, providing a seamless shopping experience by tracking their choices and summarizing costs.

Detailed Description:

- **Users can add products to their cart directly from the product listing or detail page.**
- **The cart dynamically updates quantities and calculates the total cost, ensuring a real-time experience.**
- **A mini-cart displays a quick summary of selected items, while a detailed cart page offers options to edit or remove items.**
- **State management tools, such as React Context or Redux, are used to maintain the cart state across the application.**
- **Cart data persistence is achieved using local storage or session storage, ensuring the cart remains intact even if the page is refreshed.**
- **A sidebar component provides quick access to the cart, allowing users to view, add, or remove items without navigating away from the current page.**

Your Cart ✕

	Stylish Armchair $ 780 x 1	🗑
	Stylish Armchair $ 780 x 1	🗑
	Stylish Armchair $ 780 x 1	🗑
	Stylish Armchair $ 780 x 1	🗑

Total: $ 3120

Checkout

Shopping Cart

High Quality Modern Sofa
Rs. 150 x 4

- + 🗑

Total: Rs. 600

Billing details

Product

First Name | Last Name

Nirma | Qureshi

Asgaard sofa × 1 | Rs. 250,000.00

Subtotal | Rs. 250,000.00

Company Name (Optional)

Eshia

Total | **Rs. 250,000.00**

Country / Region

Pakistan

◉ Direct Bank Transfer

Make your payment directly into our bank account. Please use your Order ID as the payment reference. Your order will not be shipped until the funds have cleared in our account.

Street address

defense streets area

○ Cash On Delivery

Your personal data will be used to support your experience throughout this website, to manage access to your account, and for other purposes described in our privacy policy.

Town / City

karachi

Place order

Province

Sindh

ZIP code

09089776

Phone

0000243445675

Email address

ghulamqureshi@gmail.com

Additional information

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This documentation presents a concise approach to developing dynamic and responsive marketplace components. By utilizing Sanity CMS for backend management and modular frontend development techniques, the application achieves scalability, efficiency, and an enhanced user experience. Each functionality—from product listing to inventory management—plays a vital role in delivering a professional marketplace that meets real-world needs. Future enhancements, such as integrating advanced analytics or AI-based recommendations, can further elevate the platform. For any additional details, enhancements, or implementation support, feel free to reach out!