

## Day 4 - Dynamic Frontend Components E-commerce website (FurniOra)

I focus on designing and developing dynamic frontend components to display marketplace data fetched from Sanity CMS or APIs. This step emphasizes modular, reusable component design and real-world practices for building scalable and responsive web applications.

### Features Overview

The project incorporates the following key features:

1. Product Display Page
2. Dynamic Routing
3. Pagination & Search Functionality
4. Shopping Cart Integration
5. Checkout Process

### Product Listing Page

Product Listing Page component successfully implements a **fully functional product listing page** that dynamically displays data from **Sanity CMS**

#### Key Functionalities:

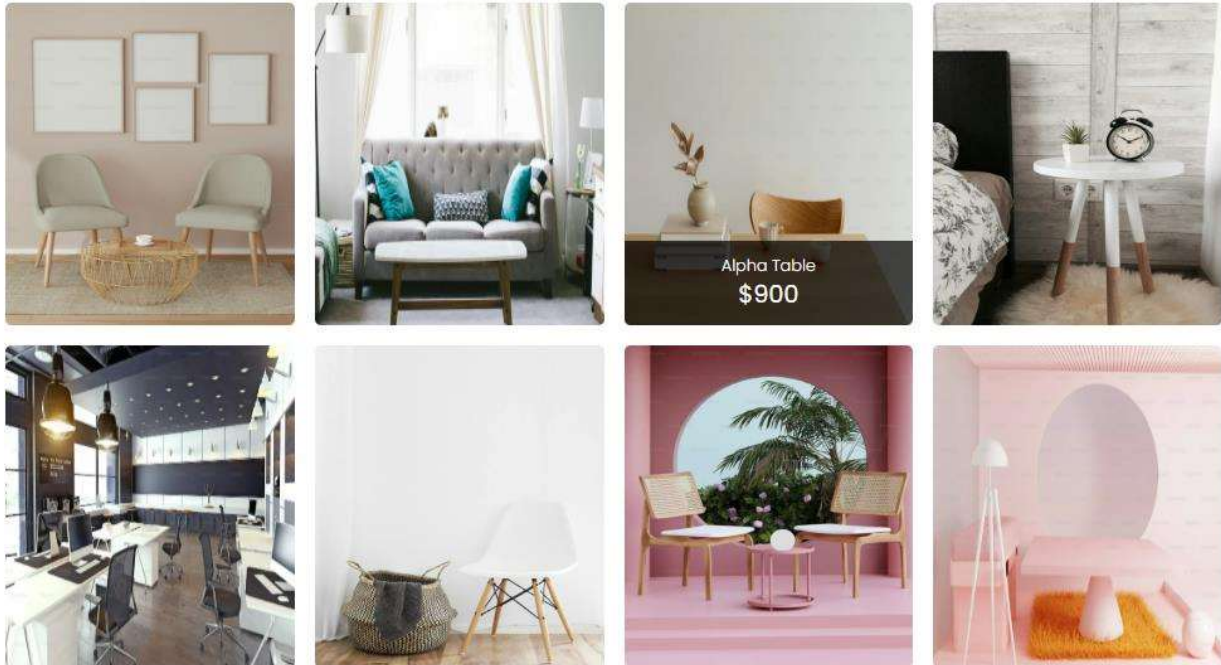
- Fetching Products from Sanity CMS
- Filtering & Searching
- Pagination System
- Dynamic Product Display

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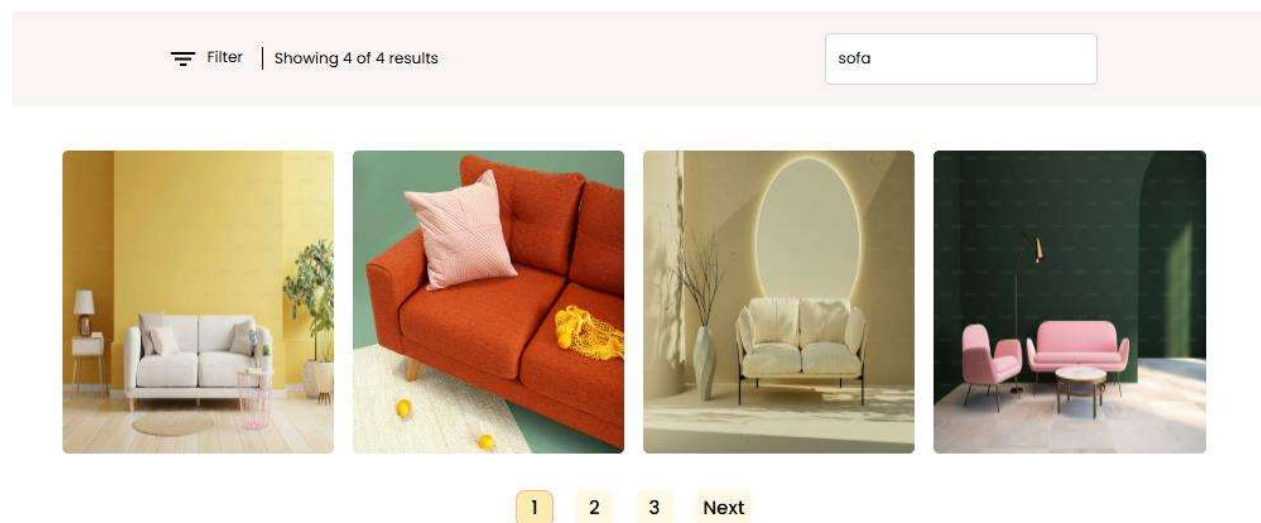
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## Pagination & Search Functionality

Users can type in the SearchBar to filter the products based on the product name. Users can navigate between pages by clicking on the page number buttons or the Next button. The products displayed on the page will change based on the current page.

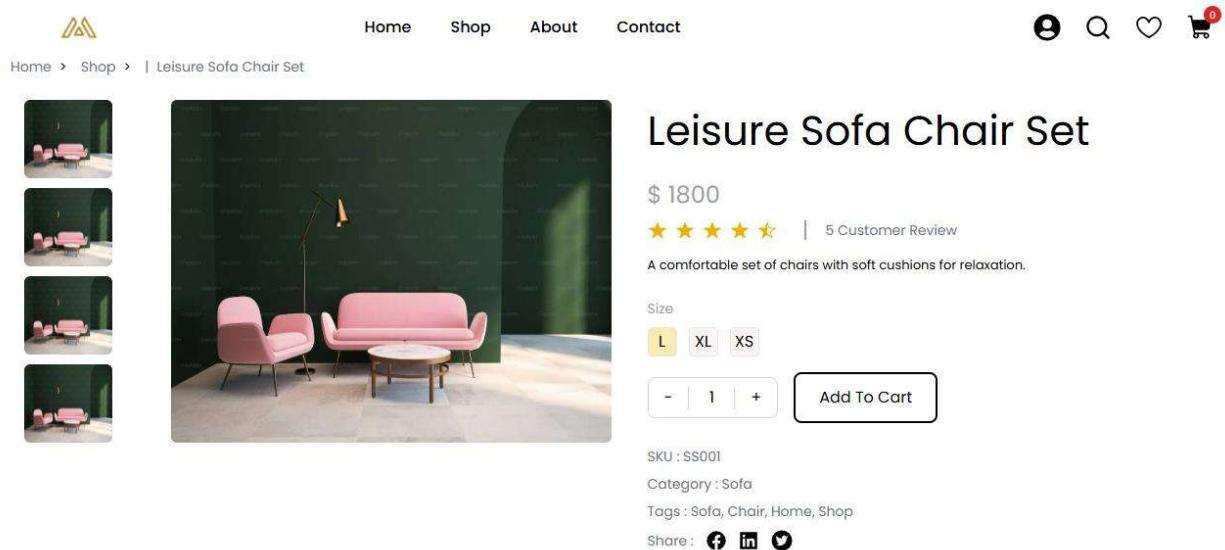


## Dynamic Routing

Dynamic routing in Next.js allows us to create flexible and scalable applications by generating pages dynamically based on user input.

### Key Functionalities:

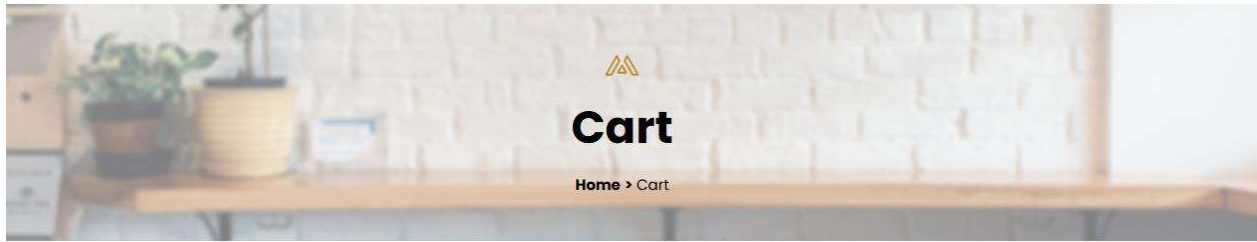
- The `params` object extracts the slug from the URL.
- Uses **Sanity's GROQ query** to fetch a product matching the provided slug.
- Using dynamic routing with slugs creates **human-readable** and **SEO-optimized** URLs, which improve search engine rankings.



## Add to Cart Functionality



Cart Page in an e-commerce app, where users can view and manage the products they've added to their cart.

- When user click on add to cart button the item would be added to the cart, and the state in **Redux** would reflect the updated cart.
- Users can remove items from the cart by clicking the delete icon.
- The CartPage dynamically calculates the subtotal for each item and displays the total cost of the cart (`total`), reflecting the sum of all item subtotals.



# Cart

[Home](#) > [Cart](#)

| Product  | Price   | Quantity | Subtotal |   |
|--|---------|----------|----------|---|
|  Leisure Sofa Chair Set - L | \$ 1800 | Qty: 1   | \$ 1800  |  |

## Cart Totals

Subtotal \$ 1800

Total \$ 1800

[Register](#)