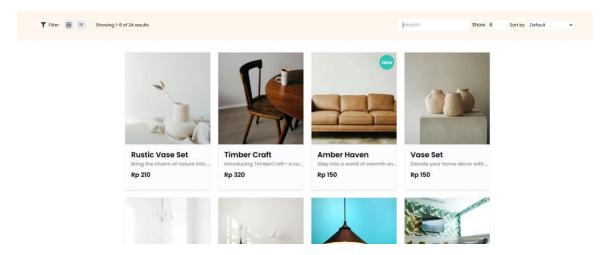
Day 4: Key Features of the Dynamic Marketplace

This document provides an overview of the core functionalities in the dynamic marketplace. Focused on modularity and integration with Sanity CMS, the platform offers various dynamic features to ensure scalability, flexibility, and a seamless user experience.

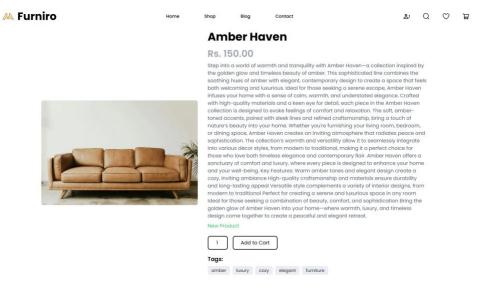
1. Product Listing Page

The Product Listing Page showcases all available products, fetched dynamically from Sanity CMS. It supports sorting, filtering by price, category, and popularity, and integrates pagination for handling large datasets. The responsive design ensures smooth display across devices, with real-time updates.



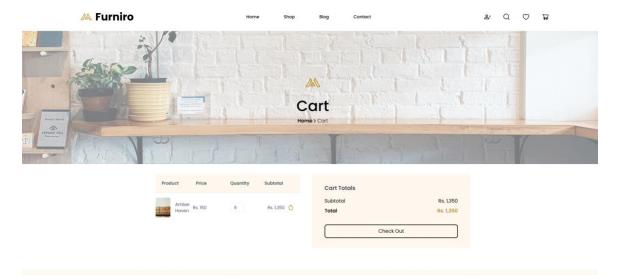
2. Dynamic Routing

Dynamic routing enables product detail pages that load based on unique product identifiers (ID/slug). These pages are server-rendered to enhance SEO and speed, displaying detailed product info like descriptions, prices, stock status, and reviews. It ensures automatic page generation for new products.



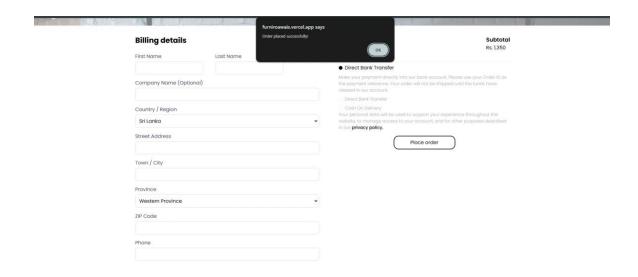
3. Cart System

The Cart tracks items added by users, updates quantities, and calculates costs in real-time. A mini-cart provides a quick overview, while the detailed cart page offers item management options. Cart data is preserved using local or session storage, ensuring persistence across page refreshes.



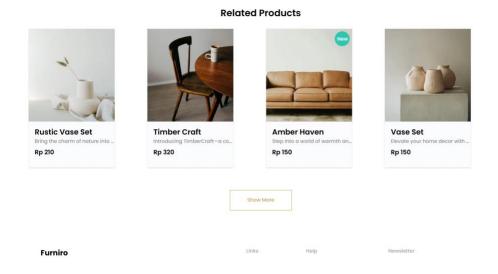
4. Checkout Frontend Design

The frontend design of the checkout process focuses on a clean and user-friendly interface. Each step (billing, shipping, payment) is presented clearly. The design is mobile-friendly, ensuring the checkout process is as efficient on small screens as it is on desktops.



5. Related Products on Product Detail Page

The Product Detail Page includes a "Related Products" section to suggest alternative or complementary items. The related products are presented in a grid layout, making it easy for users to browse additional options without leaving the current page.



Sanity CMS serves as the backend for managing product data. With real-time updates and an extensible design, changes made in the CMS are instantly reflected on the frontend. The CMS allows easy updates to product data without requiring codebase changes.

Conclusion: This documentation outlines the functionalities powering the dynamic marketplace, highlighting the seamless integration of Sanity CMS and scalable frontend components. These features, from product listings to Cart system, are designed to deliver a flexible and efficient shopping experience.