

Dynamic Marketplace Components Submission Document

Project Title: Dynamic Marketplace Components

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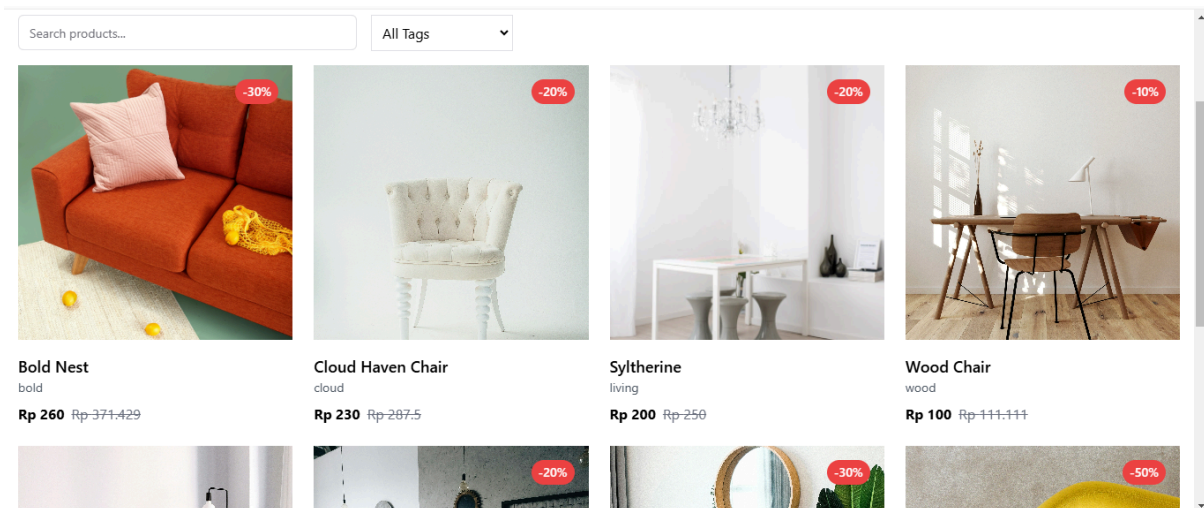
1. Introduction

This document highlights the components and functionalities I have developed for my dynamic marketplace project. The project focuses on creating modular, reusable, and responsive frontend components integrated with Sanity CMS or APIs.

2. Features Implemented

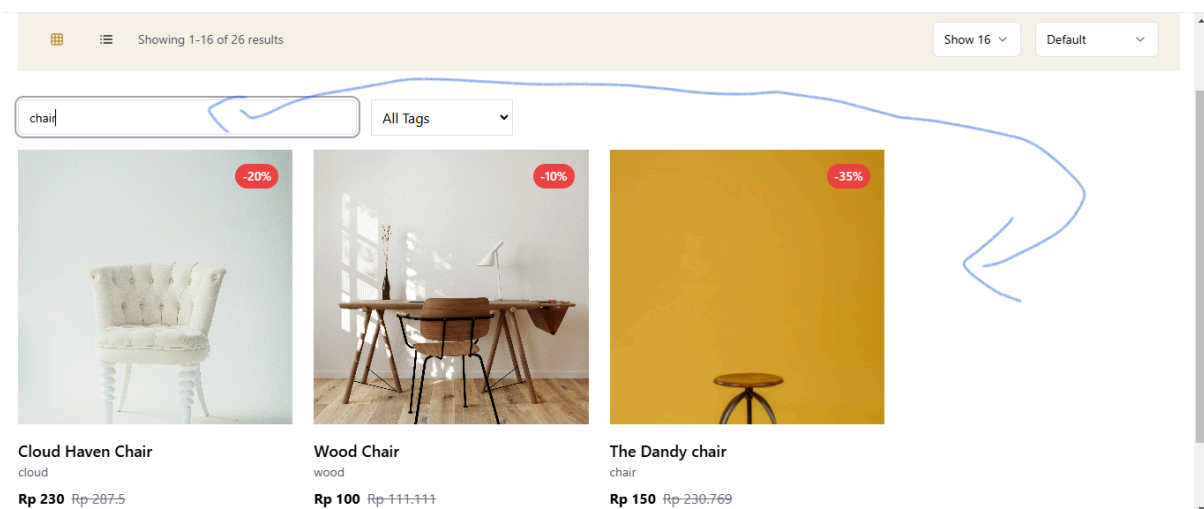
a. Product Listing Page

- **Description:** Products are dynamically displayed in a grid format.
- **Key Features:**
 - Displays Product Name, Price, Image, and Stock Status.
 - Fully responsive design.
- **Technology Used:** React, Tailwind CSS, API Integration.



b. Search Functionality

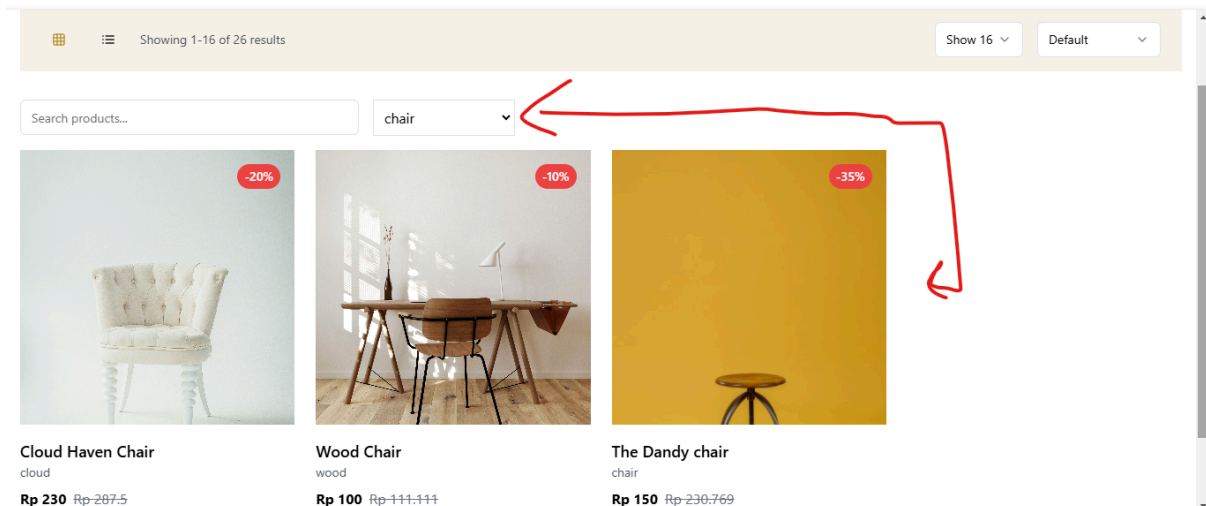
- **Description:** Allows users to filter products by name or tags.
- **Key Features:**
 - Real-time filtering based on user input in the search bar.
- **Technology Used:** React state management.



c. Filter by Tags

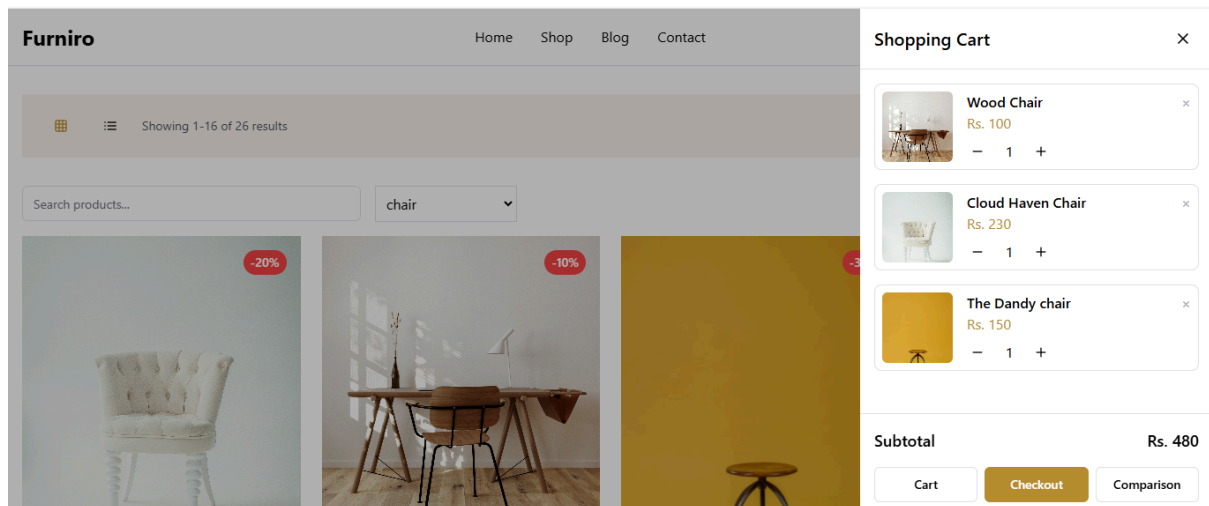
- **Description:** Allows users to filter products dynamically based on selected tags.
- **Key Features:**

- Users can select multiple tags to narrow down the product list.
- Real-time updates to the product listing based on selected tags.
- Option to clear the selected tags to reset the filter.
- **Technology Used:** React state management, dynamic rendering.



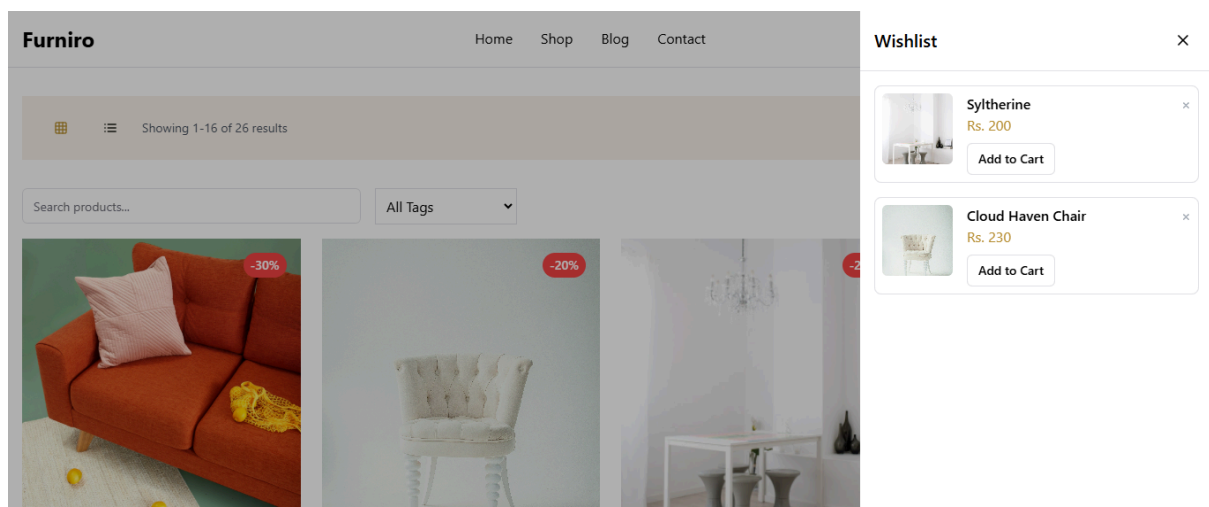
d. Add to Cart Functionality

- **Description:** Users can add items to the cart and track quantities and total price.
- **Key Features:**
 - Quantity modification options.
 - Dynamic total price calculation.
- **Technology Used:** React Context API.



e. Wishlist Feature

- **Description:** Users can save favorite items for future reference.
- **Technology Used:** Local Storage.



f. Checkout Flow

- **Description:** A multi-step form to handle billing and shipping details.
- **Key Features:**
 - User input validation.

- Fully responsive layout.
- **Technology Used:** React, Formik, Tailwind CSS.

Billing details

First Name

Last Name

Company Name (Optional)

Country / Region

Sri Lanka



Street Address

House number and street name

Town / City

Province

Product

	Wood Chair × 1	Rs. 100
	Cloud Haven Chair × 1	Rs. 230

Subtotal

Rs. 330

Total

Rs. 330

☒ 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.

☐ Cash On Delivery

Place Order

Challenges Faced

1. **Dynamic Routing:** Encountered challenges while implementing slug-based routing for product detail pages, resolved using Next.js dynamic routing.
2. **State Management:** Managing the state for Wishlist and Cart was initially difficult but resolved using Context API.
3. **Responsive Design:** Ensuring consistent UI for both mobile and desktop views required significant effort.

```

1  'use client'
2
3  import { useState } from 'react'
4  import Link from 'next/link'
5  import { Search, User, Heart, ShoppingCart } from 'lucide-react'
6  // import { Input } from '@components/ui/input'
7  import { Cart } from './Cart'
8  import { Wishlist } from './Wishlist'
9  import { useStore } from '@context/StoreContext'
10
11 export function Header() {
12   const [showSearch, setShowSearch] = useState(false)
13   const [showCart, setShowCart] = useState(false)
14   const [showWishlist, setShowWishlist] = useState(false)
15   const { cart, wishlist } = useStore()
16
17   return (
18     <>
19       <header className="border-b">
20         <div className="container mx-auto px-4">
21           <div className="flex h-16 items-center justify-between">
22             <Link href="/" className="text-2xl font-bold">
23               Furniro
24             </Link>
25
26             <nav className="hidden md:flex items-center gap-8">
27               <Link href="/" className="hover:text-[#B88E2F]">Home</Link>
28               <Link href="/shop" className="hover:text-[#B88E2F]">Shop</Link>
29               <Link href="/blog" className="hover:text-[#B88E2F]">Blog</Link>
30               <Link href="/contact" className="hover:text-[#B88E2F]">Contact</Link>
31             </nav>
32
33             <div className="flex items-center gap-4">
34               {showSearch && (
35                 <div className="absolute left-0 right-0 top-16 bg-white p-4 border-b shadow-sm animate-in slide-in-from-top">
36                   <input
37                     type="search"
38                     placeholder="Search..."
39                     className="max-w-md mx-auto"
40                   />
41                 </div>
42               )}
43               <button onClick={() => setShowSearch(!showSearch)}>
44                 <Search className="h-5 w-5" />
45               </button>
46               <button>
47                 <User className="h-5 w-5" />
48               </button>
49               <button
50                 onClick={() => setShowWishlist(true)}
51                 className="relative"
52               >
53                 <Heart className="h-5 w-5" />
54                 {wishlist.length > 0 && (
55                   <span className="absolute -top-1 -right-1 h-4 w-4 text-xs flex items-center justify-center bg-[#B88E2F] text-white rounded-full">
56                     {wishlist.length}
57                   </span>
58                 )}
59               </button>
60               <button
61                 onClick={() => setShowCart(true)}
62                 className="relative"
63               >
64                 <ShoppingCart className="h-5 w-5" />
65                 {cart.length > 0 && (
66                   <span className="absolute -top-1 -right-1 h-4 w-4 text-xs flex items-center justify-center bg-[#B88E2F] text-white rounded-full">
67                     {cart.length}
68                   </span>
69                 )}
70               </button>
71             </div>
72           </div>
73         </div>
74       </header>
75
76       <Cart isOpen={showCart} onClose={() => setShowCart(false)} />
77       <Wishlist isOpen={showWishlist} onClose={() => setShowWishlist(false)} />
78     </>
79   )
80 }
81
82

```

The End of Day-04 of Hackathon