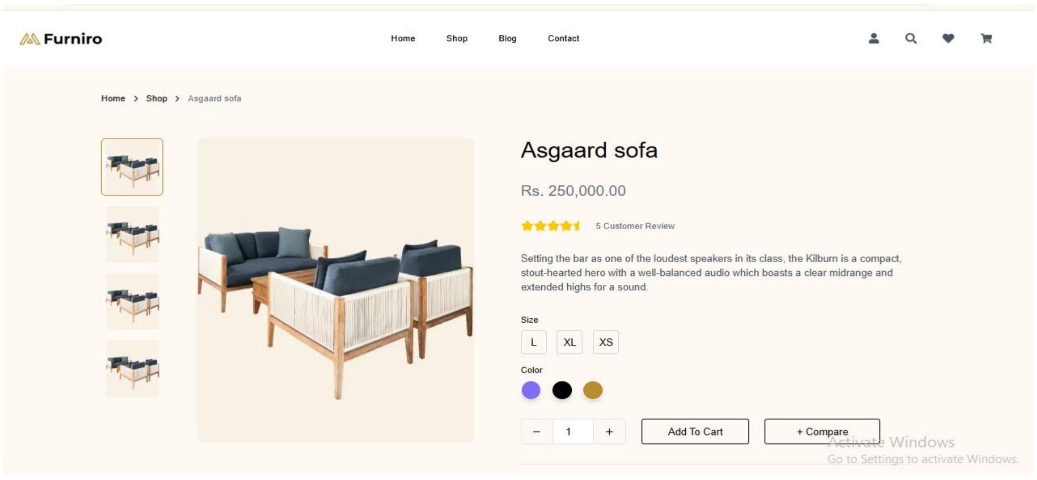
Day 4 - Dynamic Frontend Components General E-commerce Website

FURNIRO

1) OPERATIONAL DELIVERY

- **Functional Product page**



Furniro

Home Shop Blog Contact

Home > Shop > Asgaard sofa

Asgaard sofa

Rs. 250,000.00

★★★★½ 5 Customer Review

Setting the bar as one of the loudest speakers in its class, the Kilburn is a compact, stout-hearted hero with a well-balanced audio which boasts a clear midrange and extended highs for a sound.

Size

L XL XS

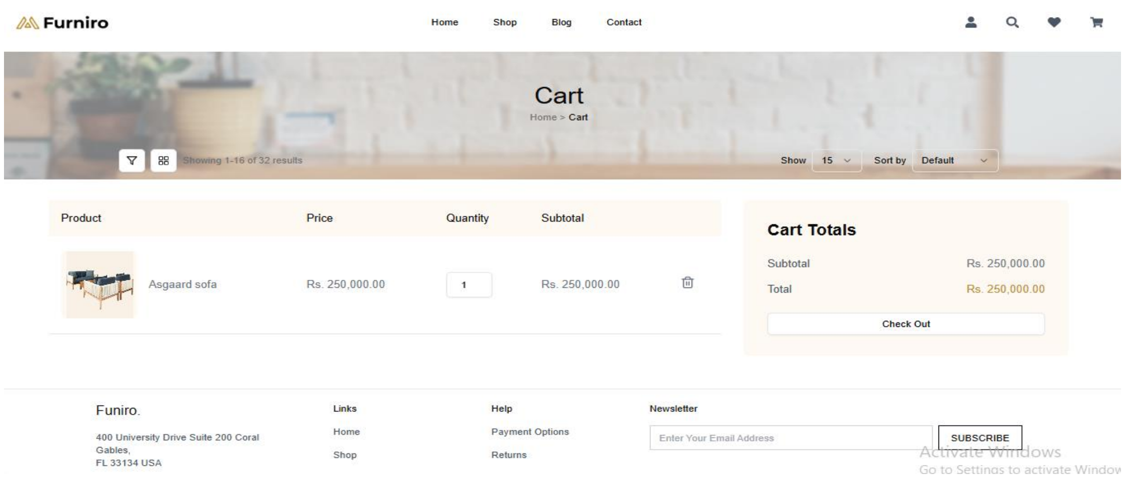
Color

● ● ●

– 1 + Add To Cart + Compare

Activate Windows
Go to Settings to activate Windows.

- **Cart Page**



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Home Shop Blog Contact

Cart

Home > Cart

Showing 1-16 of 32 results Show 15 Sort by Default

Product	Price	Quantity	Subtotal
Asgaard sofa	Rs. 250,000.00	1	Rs. 250,000.00

Cart Totals

Subtotal	Rs. 250,000.00
Total	Rs. 250,000.00

Check Out

Funiro.

400 University Drive Suite 200 Coral Gables,
FL 33134 USA

Links: Home, Shop

Help: Payment Options, Returns

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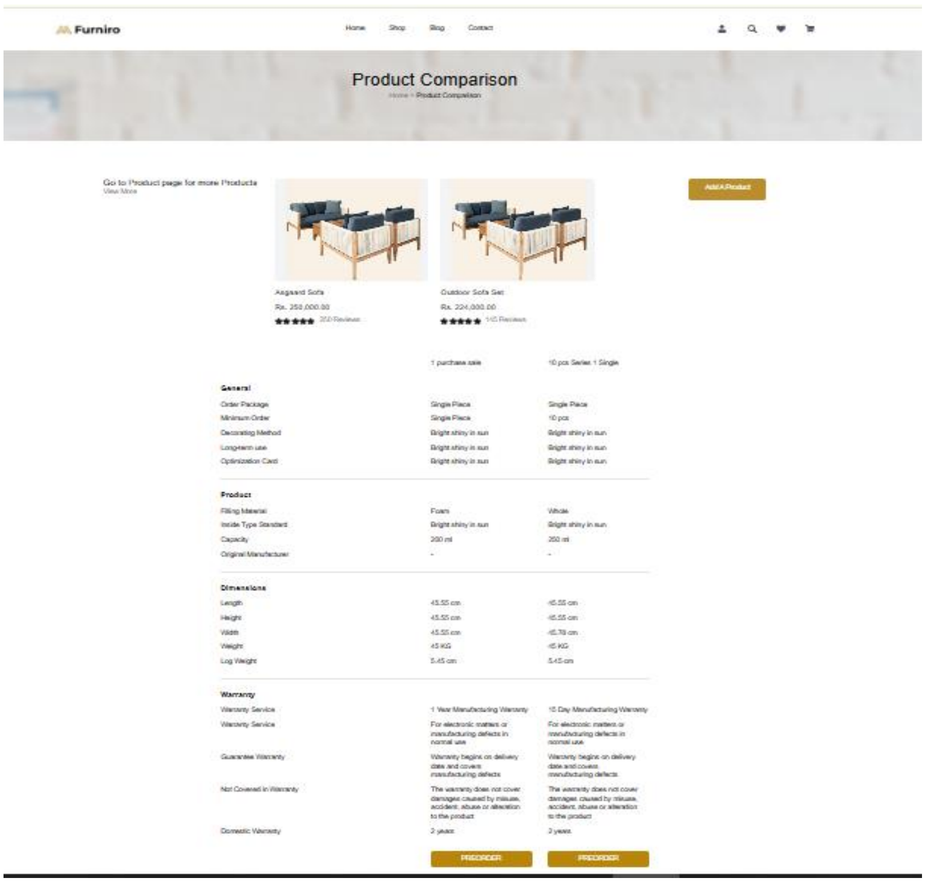
❖ Product Comparison



Product Comparison

Home > Product Comparison

Go to Product page for more Products
View More

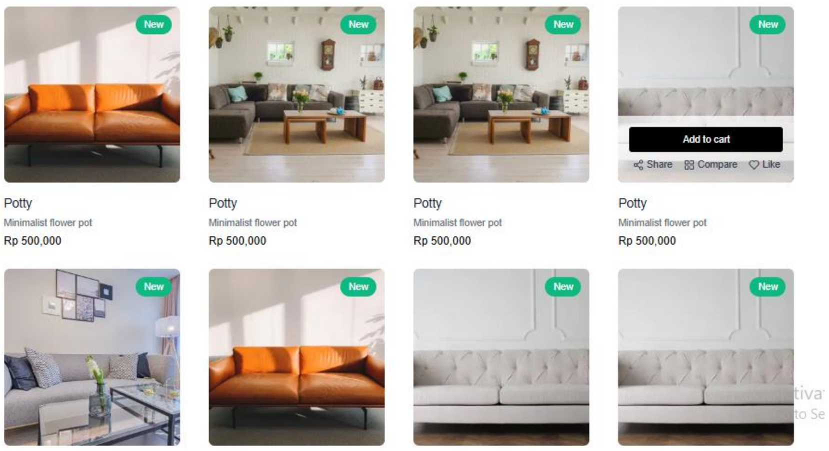
Add A Product

Asgaard Sofa
Rs. 250,000.00
★★★★★ 250 Reviews

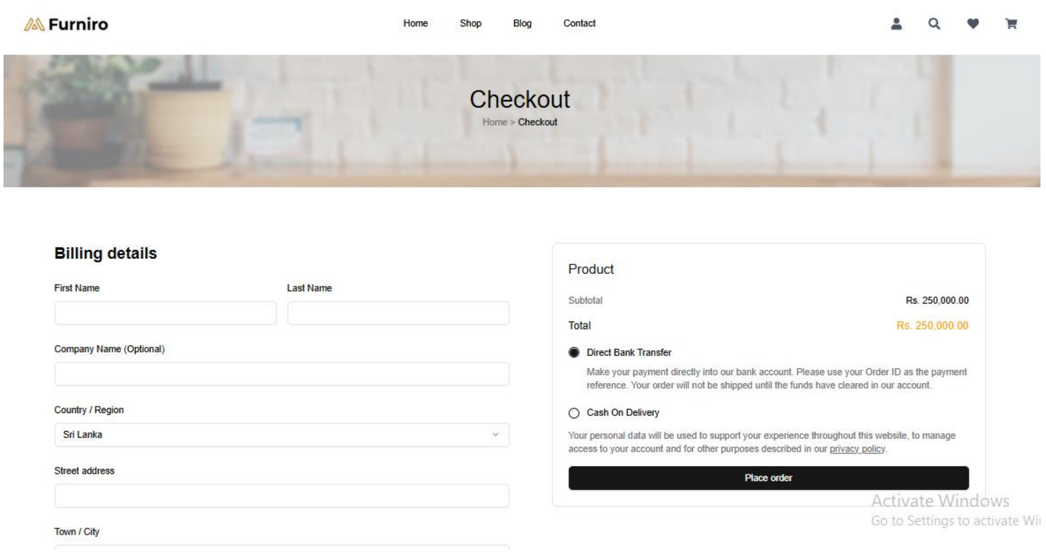
Outdoor Sofa Set
Rs. 224,000.00
★★★★★ 145 Reviews

	1 purchase sale	10 pcs Series 1 Single
General		
Order Package	Single Piece	Single Piece
Minimum Order	Single Piece	10 pcs
Decorating Method	Bright shiny in sun	Bright shiny in sun
Long-term use	Bright shiny in sun	Bright shiny in sun
Optimization Card	Bright shiny in sun	Bright shiny in sun
Product		
Filling Material	Foam	Whole
Inside Type Standard	Bright shiny in sun	Bright shiny in sun
Capacity	200 ml	250 ml
Original Manufacturer	-	-
Dimensions		
Length	45.55 cm	45.55 cm
Height	45.55 cm	45.55 cm
Width	45.55 cm	45.78 cm
Weight	45 KG	45 KG
Log Weight	5.45 cm	5.45 cm
Warranty		
Warranty Service	1 Year Manufacturing Warranty	15 Day Manufacturing Warranty
Warranty Service	For electronic matters or manufacturing defects in normal use	For electronic matters or manufacturing defects in normal use
Guarantee Warranty	Warranty begins on delivery date and covers manufacturing defects	Warranty begins on delivery date and covers manufacturing defects
Not Covered in Warranty	The warranty does not cover damages caused by misuse, accident, abuse or alteration to the product	The warranty does not cover damages caused by misuse, accident, abuse or alteration to the product
Domestic Warranty	2 years	2 years
	PREORDER	PREORDER

❖ Price Filter And pagination



❖ Checkout Page with Functionality



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Home Shop Blog Contact

Checkout

Home > Checkout

Billing details

First Name

Last Name

Company Name (Optional)

Country / Region

Sri Lanka

Street address

Town / City

Product

Subtotal	Rs. 250,000.00
Total	Rs. 250,000.00

● 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

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.

Place order

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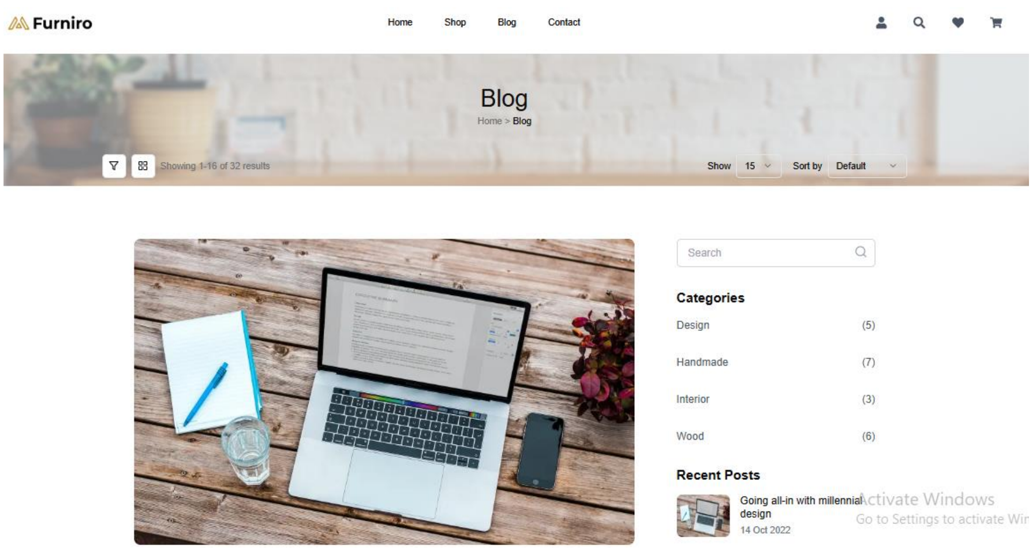
❖ Functional Blog Page



Furniro

Home Shop Blog Contact

Blog

Home > Blog

Showing 1-16 of 32 results

Show 15 Sort by Default

Search

Categories

Design	(5)
Handmade	(7)
Interior	(3)
Wood	(6)

Recent Posts

Going all-in with millennial design
14 Oct 2022

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2) Project Overview

❖ **Key Components**

COMPONENT	DESCRIPTION
AddToCartButton.tsx	Handles adding products to the cart using Cart.
ComparisonContext.tsx	Stores and manages product comparison data.
footer.tsx	Displays the website footer with links and relevant information
hero.tsx	The main banner or hero section for the homepage.
navbar.tsx	The navigation bar containing links and the cart icon.
ProductCard.tsx	Displays individual product details in a card format.
ProductClient.tsx	Manages product-related API calls or client-side logic
ProductList.tsx	Dynamically fetches and displays a list of products
ShopClient.tsx	Handles the shop page functionality and client-side logic

Scripts and Logic for API Integration & Dynamic Routing

- ❖ API Integration
- ❖ API Endpoint Used

Fetching Data:

- ❖ Products are fetched using fetch or axios in ProductList.

Steps Taken to Build and Integrate Components

1. **Project Setup:**

   o Initialized a Next.js project and configured the required dependencies.

2. **Component Structure:**
   o Built reusable components like ProductCard.tsx,Navbar.tsx, and Footer.tsx.
3. **API Integration**
   o Fetched product data from the API endpoint and dynamically displayed it.
4. **UI Enhancements:**
   o Designed a responsive and visually appealing UI using Tailwind CSS.
5. **Testing & Optimization:**
   o Debugged API calls, optimized rendering, and added error handling for better user experience.

❖ ***Best Practices Followed***

Component Reusability

• Created modular, reusable components (e.g., Hero,tsx, Navbar.tsx, Footer.tsx) for maintainability

. Optimized API Calls

• Implemented efficient fetching with try-catch error handling for smooth data retrieval.

Code Maintainability

• Followed a clean project structure (components/ui/, lib/, etc.) for organized code.

Performance Optimization

• Used lazy loading and memorization to improve page load times.

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