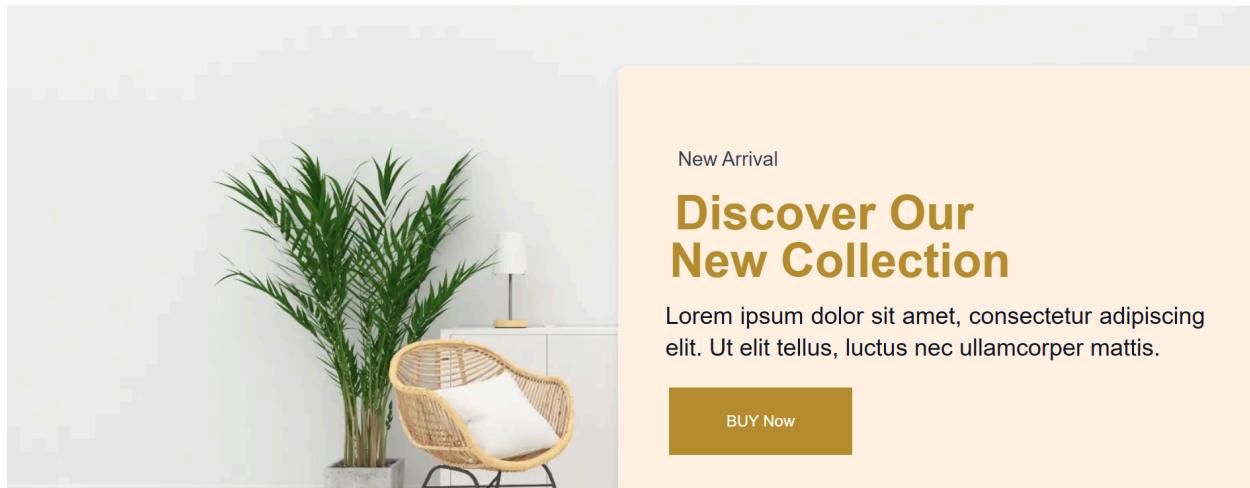


Day 4 - A Technical Report and Dynamic Frontend Components for the Marketplace

- Day 4 of the Marketplace Builder project focused on creating dynamic and reusable frontend components to enhance the functionality, user experience, and scalability of the marketplace application. The primary objective was to ensure seamless interaction between the frontend and backend, enabling the display of dynamic data from the Sanity CMS or APIs. This stage emphasized modularity, responsiveness, and efficient state management, aligning with modern web development standards.
- The project centers around a **furniture e-commerce website**, developed using **Next.js** for its powerful server-side rendering and routing capabilities, **Tailwind CSS** for responsive and utility-first styling, and **Sanity CMS** for managing and delivering dynamic product data. These technologies were integrated to ensure a smooth and efficient user experience for browsing, searching, and interacting with the marketplace
- This report outlines the tasks completed, the challenges faced, and the solutions implemented during the development process of Day 4. It also highlights the technologies used and the steps taken to ensure a responsive and professional design.

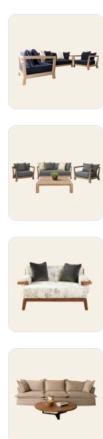
Home Page

- **Description:** The home page showcases the furniture marketplace's products with a modern and responsive layout. It includes featured products, categories, and a user-friendly navigation system.



Cart Page

- **Description:** Displays all products added to the user's cart with options to modify quantities and view the total price.



Asgaard sofa

Rs. 250,000.00

 | 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

Color

- 0 +

Add to Cart

+ Compare

Search Bar

- **Description:** Includes a **search bar** to help users quickly find products or explore related items effortlessly.



Header

- Provides easy navigation across the website, including links to key sections like Home, Contact, Shop, and Blog.



Footer

- Offers quick links, contact information, and essential details for user convenience.

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Funiro.

400 University Drive Suite 200 Coral Gables,
FL 33134 USA

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Comparison Page

- **Description:** Displays detailed product specifications such as general features, product materials, dimensions, and warranty information side by side, allowing users to make

informed decisions effortlessly.

The screenshot shows a product comparison page on the Furniro website. At the top, there's a navigation bar with the logo 'Furniro' and links for Home, Shop, Blog, and Contact. To the right are icons for user profile, search, heart (favorites), and shopping cart. Below the navigation is a banner with a background image of a living room shelf. The banner features the 'Furniro' logo and the word 'Comparison'. Below the banner, the breadcrumb navigation shows 'Home > Comparison'. On the left, there's a button 'Go to Product page for more Products'. In the center, there are two images of a blue L-shaped sofa. To the right, there's a 'Add A Product' button and a dropdown menu labeled 'Choose a Product'. Below the sofa images, there are three columns of product information: General (Sales Package: 1 sectional sofa, Model Number: TFCLBIGRBL6SRHS, Secondary Material: Solid Wood, Configuration: L-shaped, Upholstery Material: Fabric + Cotton), Product (Filling Material: Foam, Finish Type: Matte, Adjustable Headrest: Yes, Maximum Load Capacity: 300 KG, Origin of Manufacture: India), and Dimensions (Width: 265.32 cm, Height: 76 cm, Depth: 167.76 cm, Weight: 45 KG, Seat Height: 41.52 cm, Leg Height: 5.46 cm). At the bottom, there's a 'Warranty' section with details about the warranty period and coverage, followed by an 'Add to Cart' button.

- 2. State Management:
 - Use React state or context to manage data across components.
 - Exa

General	Product	Dimensions
Sales Package: 1 sectional sofa Model Number: TFCLBIGRBL6SRHS Secondary Material: Solid Wood Configuration: L-shaped Upholstery Material: Fabric + Cotton	Filling Material: Foam Finish Type: Matte Adjustable Headrest: Yes Maximum Load Capacity: 300 KG Origin of Manufacture: India	Width: 265.32 cm Height: 76 cm Depth: 167.76 cm Weight: 45 KG Seat Height: 41.52 cm Leg Height: 5.46 cm

Warranty

Warranty Period: 1 Year | Warranty Type: Manufacturing Defects Only
Warranty Coverage: Covers structural and material defects.

Add to Cart

State Management

- Used **useState** for managing local component states and **useContext** for sharing global states across components.

```
'use client';

import React, { useEffect, useState } from 'react';
import sanityClient from '@sanity/client';
import Image from 'next/image';
```

Styling

- Used **Tailwind CSS** for designing a modern, responsive, and utility-first user interface, ensuring consistent styling across the application with minimal effort.

```
<div className="mt-8 bg-[#FCF8F3] shadow-md rounded-lg p-4">
  <h2 className="text-lg font-bold text-black">Cart Summary</h2>
  {cart.length > 0 ? (
    <ul className="space-y-4">
      {cart.map((item, index) => (
        <li key={index}>
```

Steps for Implementation:

- **Setup:** Successfully connected the Next.js project to **Sanity CMS**, and data fetching has been tested and verified to be working correctly.



Vase Set

Elevate your home decor with the timeless beauty of the Vase Set. Designed to complement any interior...

\$ 150

vase decor interior design elegant
home

Add to Cart



Wood Chair

Introducing the Wood Chair—a beautifully crafted piece that blends timeless simplicity with natural ...

\$ 100

wood chair furniture classic
rustic

Add to Cart



Nordic Elegance

Elevate your space with Nordic Elegance—a collection that brings the minimalist beauty and understat...

\$ 280

nordic elegance furniture
minimalistic modern

Add to Cart



Timeless Elegance

Introducing TimelessElegance—a collection that embodies the perfect fusion of classic beauty and mod...

\$ 320

timeless elegance furniture classic
luxury

Add to Cart

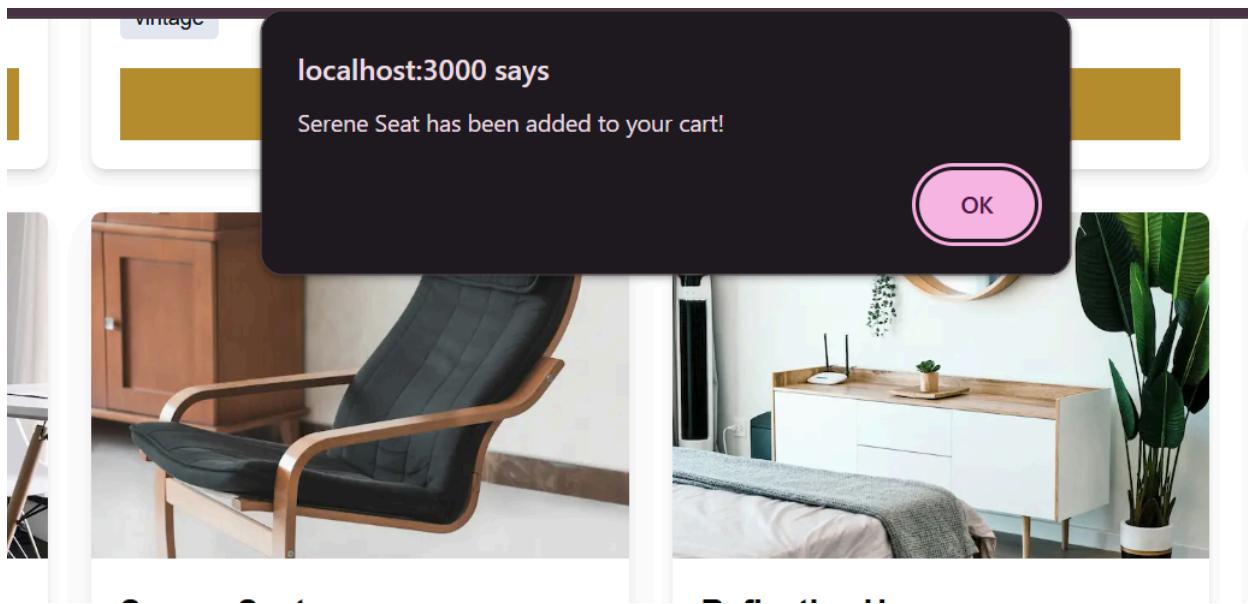
Billing

- Description:** The billing system is integrated with **PayPal**, **Stripe**, and **Bank Transfer** options to ensure secure and seamless transactions.

Billing details		Product	Subtotal
First Name	Last Name	Asgard Sofa x 1	Rs. 250,000.00
Company Name (Optional)		Subtotal	Rs. 250,000.00
Country / Region		Total	Rs. 250,000.00
Canada		<input checked="" type="radio"/> 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		<input type="radio"/> Direct Bank Transfer -	
Town / City			

Notifications Component

- **Description:** Displays **real-time toast notifications** to inform users when a product is successfully added to the cart. This ensures immediate feedback and enhances the user experience.



Cart Summary

- **Description:** The **cart summary** dynamically fetches product data from the API, displaying an up-to-date list of items, their quantities, total price, and other relevant details. This ensures the user always sees accurate information before checkout.

Cart Summary	
Retro Vibe	
\$ 340.00	
Retro Vibe	
\$ 340.00	
Pure Aura	
\$ 280.00	
Bed	
\$ 250.00	

Dynamic Routing

- **Description:** Implemented **dynamic routing** for individual product pages, allowing each product to have a unique URL based on its ID. This ensures that users can access specific product details by navigating to `/product/[id]`, where `[id]` is dynamically replaced by the product's unique identifier.

Day 4

- **On Day 4, I successfully**

Developed dynamic frontend components to display data from APIs and Sanity CMS.

Created reusable components for scalability.

Implemented dynamic routing for product detail pages.

Built features like Product Listing, Cart, and Wishlist with responsive design using Tailwind CSS.

Applied state management for dynamic data handling.

Tested components for functionality and responsiveness.

