DAY:04
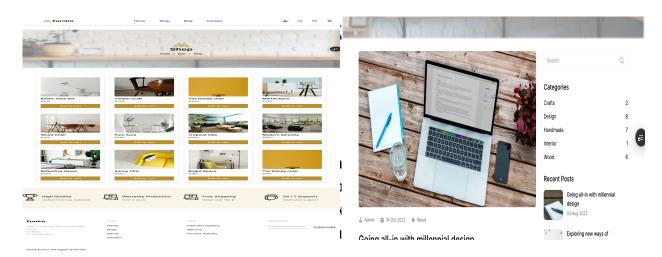
BUILDING DYNAMIC COMPONENTS

What This Component Does

The Product Listing Component is designed to fetch and render product data in a **clean, grid-based layout**. Each product card includes:

✅ **Product Name** – So users know what they're looking at.
✅ **Price** – Because pricing is key for any marketplace.
✅ **Image** – A good visual makes all the difference.
✅ **Stock Status** – Clearly showing whether an item is available or out of stock.

How I Built It

Since I'm using **Next.js 15**, I made sure the component loads data dynamically from **Sanity**. The layout is styled using **Tailwind CSS**, keeping it responsive and visually appealing. Each product appears as a **card**, making the UI clean and user-friendly.

This component is just the start—there's still a lot to refine, like adding filters, sorting, and maybe even animations for a smoother user experience. But for now, the basic structure is in place

Product Detail Component

For the **Product Detail Component**, I set up **dynamic routing in Next.js 15** to generate individual product pages. Each page includes:

- **Product Description** – Gives users a clear idea of the item.
- **Price** – Displayed prominently.
- **Available Sizes or Colors** – So users can choose their preferences.

With **Sanity** handling the backend and **Tailwind CSS** for styling, the page loads dynamically based on the product ID. I'll be adding images to make it more visually appealing

Category Component

For the **Category Component**, I made sure it dynamically fetches categories from the data source. When a category is selected, the products update accordingly.

☑**Categories are loaded dynamically** from Sanity.
☑**Filters products** based on the selected category.
☑**Connected to product fields**, ensuring only relevant products appear.

This keeps the browsing experience smooth and organized

Search Bar Component

I added a **Search Bar** to make finding products easier. It filters products dynamically based on **name or tags**, updating results instantly as users type.

☑**Real-time filtering** for a smooth experience.
☑**Matches product names & tags** for better accuracy.
☑**Integrated with the product list** to display relevant results.

This makes navigation quicker, helping users find what they need effortlessly

Cart Component

The cart component displays **added items, quantity, and total price**. It uses **state management** to track cart items and update them dynamically.

User Profile Component

The user profile displays **name, email, and saved addresses**. It also shows **order history and shipping details** whenever the user logs in, making it easy to track past purchases.

Filter Panel Component

The filter panel allows users to refine products **by category**. When a category is selected, the product list updates dynamically to show relevant items.

Footer and Header Components

Header Features:

- Search bar for quick product lookup.
- User profile icon with different views for signed-in and signed-out users.
- Dark and light theme toggle for customization.

Footer Features:

- Links to essential pages like Home, About, and Contact.
- Consistent design to maintain branding.
- Fully responsive and accessible across devices.

Notifications Component

- Displays **real-time alerts** for key actions.
- The **Save button** in shipping details triggers an alert.
- Uses **toast notifications** or modals for feedback on actions like adding to cart or errors.
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Order Tracking Component

- Tracks **order status** and updates it every **30 hours** using **local storage**.
- Displays estimated delivery time and order progress.
- Keeps users informed without needing a backend update.
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Discount and Promotion Component

- **Discount details** are shown in the **hero section**.
- Discounts are **applied on the payment card** during checkout.
- Dynamically updates based on active promotions.

Gift Card and Voucher Component

- **Vouchers are displayed in the hero section**.