

Function for fetch the related category product

Day 4 - Dynamic Frontend Components “Way More”

SanityData Component :

I make this components to fetch data from sanity and display it on my homepage to make this component I use react hooks useState and useEffect first make a state variable to store the fetch product and use useEffect to fetch the data from sanity before the browser run and then use the map method to display the products one by one I only fetch four products using their titles because I want only four products according to my figma design

```
const SanityData = () => {
  const { addToCart } = useCart();
  const [products, setProducts] = useState<SanityData[]>([]); // State

  useEffect(() => {
    const fetchProducts = async () => {
      const productTitles = [
        "Rose Luxe Armchair",
        "Citrus Edge",
        "Ivory Charm",
        "Library Stool Chair",
      ];

      try {
        // Fetch products from Sanity
        const fetchData: SanityData[] = await client.fetch(
          `*[_type == 'products' && title in $titles]{
            id,
            title,
            price,
            priceWithoutDiscount,
            badge,
            image,
            category->,
            description,
            inventory,
            tags
          }`,
          { titles: productTitles }
        );
        setProducts(fetchData); // Update state with fetched products
      } catch (error) {
        console.error("Error fetching products:", error);
      }
    };

    fetchProducts();
  }, []); // Empty dependency array ensures this runs only once
}
```

Function for fetch the related category product

Dynamic Page

In this page I use next.js dynamic routing using product unique id I add one more field in the product sanity schema to give a unique id to the product and fetch the product from the sanity using id when any user click on home page product it will open the dynamic page and fetch the product detail based on clicked product id

```
export default async function ProductPage({ params, }: { params: { id: string } }) {
  // Fetch product details and suggested products
  const product = await getProduct(params.id);

  if (!product || (property) HTMLAttributes<HTMLDivElement>.className?: string | undefined) {
    return (
      <div className="container mx-auto px-4 py-8 text-center">
        Product not found
      </div>
    );
  }

  const suggestedProducts = await getSuggestedProducts(
    product.category._id,
    product.id
  );

  return (
    <div className="container mx-auto px-4 py-8">
      <div className="grid md:grid-cols-2 gap-8 mb-12">
        { /* Product Image */ }
        <div>
          <Image
            src={urlFor(product.image).url() || "/placeholder.svg"}
            alt={product.title}
            width={600}
            height={600}
            className="rounded-lg object-cover w-full h-full"
          />
        </div>
      </div>

      { /* Product Details */ }
      <div className="flex flex-col justify-between">
        <div className="w-[380px] sm:w-[543px] h-[607px] flex flex-col gap-10">
          { /* Product Title */ }
          <h1 className="w-[380px] sm:w-[500px] h-[132px] text-[#272343] text-[60px] leading-[66px] font-bold">
            {product.title}
          </h1>
        </div>
      </div>
    </div>
  );
}
```

And add a next.js Link tag to the home page product for the dynamic routing

SuggestedProduct Component :

This component is make for the suggested product on the dynamic page related to their product category it also make with the next.js dynamic routing I make a function in my dynamic page the function check the id and the category of the product and then fetch the category items

Function for fetch the related category product

```
async function getSuggestedProducts(  
  categoryId: string,  
  currentProductId: string  
) : Promise<SanityData[]> {  
  return client.fetch(  
    `*[_type == "products" && category._ref == $categoryId && id != $currentProductId][0...4]{  
      id,  
      title,  
      price,  
      image,  
      category->{_id, name}  
    }`,  
    { categoryId, currentProductId }  
  );  
}
```

SuggestedProduct :

```
export default function SuggestedProducts({ products }: { products: SuggestedProductProps[] }) {  
  if (products.length === 0) {  
    return null  
  }  
  
  return (  
    <div className="mt-12">  
      <h2 className="text-2xl font-bold mb-6 text-[#272343]">You may also like</h2>  
      <div className="grid grid-cols-2 md:grid-cols-4 gap-6">  
        {products.map((product) => (  
          <Link href={` /product/${product.id}`} key={product.id} className="group">  
            <div className="aspect-w-1 aspect-h-1 w-full overflow-hidden rounded-lg bg-gray-200 xl:aspect-w-7 xl:aspect-h-8">  
              <Image  
                src={urlFor(product.image).url() || "/placeholder.svg"}  
                alt={product.title}  
                width={300}  
                height={300}  
                className="h-full w-full object-cover object-center group-hover:opacity-75"  
              />  
            </div>  
            <h3 className="mt-4 text-sm text-gray-700">{product.title}</h3>  
            <p className="mt-1 text-lg font-medium text-gray-900">${product.price}</p>  
          </Link>  
        ))}  
      </div>  
    </div>  
  )  
}
```

Add to Cart function :

I make the add to cart function using the react context api with the of ai I make this function and use it on my home page and for my dynamic page I make component of addToCartButton because when I directly use it on my dynamic page it give me lot of error that's why I make addToCartButton component