

HACKATHON PLACE HOLDER

DARAKHSHAN JUNAID • [📅 Date](#)



DAY 04

Building Dynamic Frontend Components for Your Marketplace

Design and create dynamic frontend components that display marketplace data retrieved from Sanity CMS or APIs, with an emphasis on modular, reusable component design and scalable, responsive web apps.

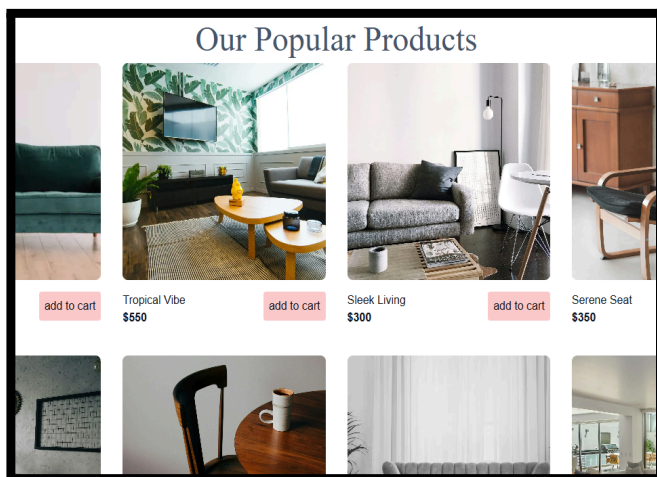
1: Product Listing Component

Dynamically render products in a grid layout

with the following elds:

- Product Name
- Price
- Image

Code snippets of products



```
import Header from '../Header/page'
import Image from 'next/image'
import Link from 'next/link'
import { SanityFetch } from '@sanity/lib/fetch'
import { allProducts } from '@sanity/lib/query'
import { Product } from '../types'


export default async function All() {
  const products: Product[] = await SanityFetch({ query: allProducts })
  return (
    <div className="min-width-[768px] min-height[640px] lg:w-full w-auto">
      <div className="lg:w-full w-auto mt-3 h-auto lg:h-[200px]">
        
      </div>
      <div className="text-5xl text-align-center mb-8">Our Popular Products</div>
      <div className="mt-12 grid grid-cols-1 overflow-hidden gap-x-4 gap-y-10 lg:grid-cols-2 lg:grid-rows-1 align-items-1 gap-y-4">
        {products.map((product) => (
          <div key={product._id}>
            <div className="aspect-square w-full relative overflow-hidden rounded-lg lg:gray-100 cursor-pointer">
              <img src={product.image} alt={product.name} />
              <div className="p-2">
                <div>{product.name}</div>
                <div>{product.price}</div>
              </div>
            </div>
            <div>add to cart</div>
          </div>
        ))}
      </div>
    </div>
  )
}
```

2: Product Detail

Component:

Build individual product detail page using Next.js
dynamic routing. Include elds such as:

- Name • Price • Product Description



Pure Aura

\$280

Description
description

A timeless design, with premium materials features as one of our most popular and iconic pieces. The Dandy chair is perfect for any stylish living space with beech legs and lambskin leather upholstery.

- Premium material
- Handmade upholstery
- Quality timeless classic

Dimensions

Height	Width	Depth
110cm	75cm	50cm



Serene Seat

\$350

Description
description

A timeless design, with premium materials features as one of our most popular and iconic pieces. The Dandy chair is perfect for any stylish living space with beech legs and lambskin leather upholstery.

- Premium material
- Handmade upholstery
- Quality timeless classic

Dimensions

Height	Width	Depth
110cm	75cm	50cm

```
import { fourProducts } from "../../../../../sanity/lib/query";
import { SanityFetch } from "@sanity/lib/fetch";
import Link from "next/link";
import { Product } from "../../type";
import { client } from "@sanity/lib/client";
import { groq } from "next-sanity";
import Image from "next/image";
import Header from "../../header/page";
interface ProductPage {
  params: Promise<{ _id: string }>
}

export default async function GetProduct({ params }: ProductPage) {
  const start = 1
  const limit = 4

  const fourProductstty: Product[] = await SanityFetch(
    query: fourPrducts(start, limit)
  )

  const { _id } = await params;

  const product: Product = await client.fetch(
    groq`[_type == "product" && _id == ${id}][0]{
      _id,
      name,
      description,
      slug,
      price,
      quantity,
      dimensions,
      features,
      category,
      "imageUrl": image.asset->url
    }`, { id: _id }
  )
}
```

```

}

return (
  <>
    <Header/>
    <section>

      <div className="w-full h-auto mt-8 flex flex-col lg:flex-row whitespace-normal">
        <div className="flex justify-center h-auto w-auto lg:w-[721px] lg:h-[759px] mb-8 lg:mb-0">
          <image src={product.imageUrl} alt="The Dandy Chair" height={759} width={721} />
        </div>

        <div className="lg:pt-12 lg:pl-14 space-y-4 px-4 sm:px-8 lg:px-0">
          <h1 className="text-2xl sm:text-3xl lg:text-4xl">{product.name}</h1>

          <p className="text-lg sm:text-xl">${product.price}</p>

          <div className="pt-[30px] space-y-7 gap-[16px]">
            <h1 className="text-xl sm:text-2xl">Description</h1>
            description
            <p className="text-base sm:text-lg min-w-full">
              A timeless design, with premium materials features as one of our <br />
              most popular and iconic pieces. The Dandy chair is perfect for any stylish <br />
              living space with beech legs and lambskin leather upholstery.
            </p>

            <ul className="list-disc pl-4">

```

```

<section className="mt-12 grid grid-cols-1 overflow-hidden gap-x-4 p-7 gap-y-10 sm:grid-cols-2 lg:grid-cols-3 x
  {fourProductstty.map((product) => (
    <div
      key={product._id}
    >
      <div className="aspect-square w-full relative overflow-hidden rounded-lg bg-gray-100 cursor-pointer">
        <link href={"/components/allProducts/${product._id}"}>
          <image
            src={product.imageUrl}
            alt={product.name || "sanity image"}
            fill
            className="h-full w-full object-cover absolute hover:scale-[1.1] object-center transition-all ease-in
          />
        </Link>
      </div>
      <div className="mt-4 flex justify-between">
        <div>
          <h3 className="text-black/90">{product.name}</h3>
          <div className="flex items-center gap-2">
            <p className="text-md font-semibold text-gray-900">
              ${product.price}
            </p>
          </div>
        </div>
      </div>
      <div className="hover:opacity-70 flex transition-opacity duration-300 cursor-pointer h-fit p-2 rounded
        add to cart

```

```

    <h1 className="text-xl sm:text-2xl">Description</h1>
    description
    <p className="text-base sm:text-lg min-w-full">
      A timeless design, with premium materials features as one of our <br />
      most popular and iconic pieces. The Dandy chair is perfect for any stylish <br />
      living space with beech legs and lambskin leather upholstery.
    </p>

    <ul className="list-disc pl-4">
      <li>Premium material</li>
      <li>Handmade upholstery</li>
      <li>Quality timeless classic</li>
    </ul>

    <div className="space-x-12 pt-2">
      <h1 className="text-xl sm:text-2xl">Dimensions</h1>
      <table className="min-w-auto table-auto mt-8 border-collapse">
        <thead>
          <tr className="border-b">
            <th className="px-4 py-2 text-left">Height</th>
            <th className="px-4 py-2 text-left">Width</th>
            <th className="px-4 py-2 text-left">Depth</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td className="px-4 py-2">{product.dimensions.height}</td>
            <td className="px-4 py-2">{product.dimensions.width}</td>
            <td className="px-4 py-2">{product.dimensions.depth}</td>
          </tr>
        </tbody>
      </table>

```