

Day - 04

DYNAMIC FRONTEND COMPONENT

MARKET PLACE RESTAURANT WEBSITE

DOCUMENTATION:-

Continuing from Day 03 that is from fetching APIs and display food products, I did the following:-

- i) Make dynamic description route for each product.
- ii) Using Context Management System, added "Add to Cart" functionality.
- iii) When click on "Add to Cart", a notification appears using toaster.
- iv) Added functionality of "Searchbar", "filter the newest products" and "pagination".

PROBLEMS AND ERRORS:-

- i) Got issues in making dynamic page.
- ii) Issues in CMS handling.
- iii) Also had issues in Server Side and client side components.

```

> product > [slug] > page.tsx > ProductDetails
import { client } from '@sanity/lib/client';
import dynamic from 'next/dynamic';

const ProductDetails = dynamic(() => import('../Components/Product/product'));

export default async function ShopListWrapper({ params: { slug } }: { params: { slug: string } }) {
  const combinedQuery = `{
    "product": *[_type == "food" && slug.current == '${slug}'][0],
    "productData": *[_type == "food"]
  }`;

  let product = null;
  let productData = [];

  try {
    const result = await client.fetch(combinedQuery);
    product = result.product;
    productData = result.productData;

    if (!product) {
      throw new Error(`Product with slug '${slug}' not found.`);
    }
  } catch (error) {
    console.error("Error fetching product or products:", error);
    return <div>Error loading product details.</div>;
  }

  return (

```

app > Components > ShopComponents > ClientSideComp > ClientShopList.tsx > ClientShopList

```
1  "use client";
2
3  import { useSearchParams } from "next/navigation";
4  import { Toaster } from "react-hot-toast";
5  import ProductList from "../ProductList";
6  import StateContext from "@app/context/StateContext";
7  import Header from "../../Header";
8  import BgPic from "../../BgPic";
9  import Sidebar from "../Sidebar";
10 import Pagination from "../Pagination";
11 import { useState } from "react";
12
13 export default function ClientShopList({ productData }: { productData: any[] }) {
14   const searchParams = useSearchParams();
15   const currentPage = parseInt(searchParams.get("page") || "1", 10);
16
17   const [sortOrder, setSortOrder] = useState("Newest");
18
19   // Handle sorting based on user selection (Newest or Oldest)
20   let sortedProducts = sortOrder === "Oldest" ? [...productData].reverse() : [...productData];
21
22   // Handle product ordering based on page number (reverse when page is odd)
23   const orderedProducts = currentPage % 2 === 1 ? [...sortedProducts].reverse() : sortedProducts;
24
25   // Ensure at least 12 products are displayed by repeating products
26   const minProductsNeeded = 12;
27   let displayedProducts = [...orderedProducts];
28
29   while (displayedProducts.length < minProductsNeeded) {
30     displayedProducts = [...displayedProducts, ...orderedProducts];
31   }
32
33   displayedProducts = displayedProducts.slice(0, minProductsNeeded);
34
35   return (
36     <StateContext>
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

✓ Compiled in 20.2s (4281 modules)

powershell

node

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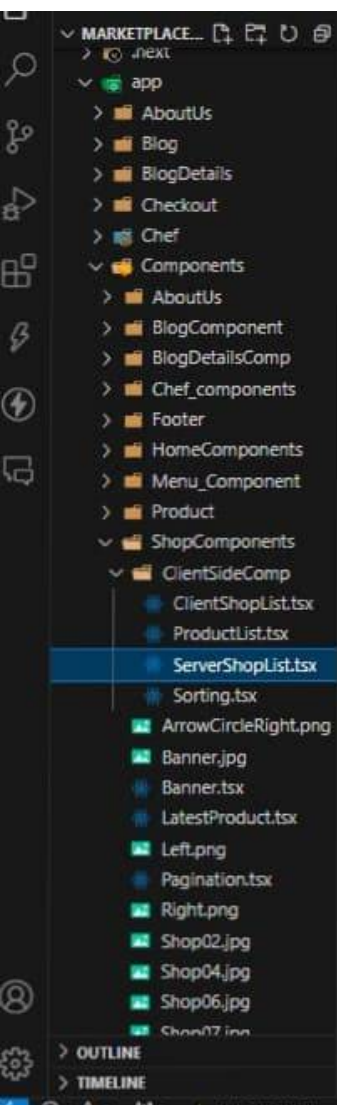
app > Components > ShopComponents > ClientSideComp > ClientShopList.tsx > ClientShopList

```
13 export default function ClientShopList({ productData }: { productData: any[] }) {  
34  
35   return   
36     <StateContext>  
37       <Toaster />  
38       <Header />  
39       <section className="bg-white font-sans text-[#333333]">  
40         <BgPic PageHeading="Our Shop" PageName="shop" />  
41         <div className="bg-white min-h-screen px-24 py-20 gap-x-8 text-[#333333]">  
42           <div className="container mx-auto px-4 py-6">  
43             <div className="flex justify-between items-center mb-6">  
44               <div className="flex items-center space-x-4">  
45                 <label className="text-xl">Sort By :</label>  
46                 <select  
47                   className="border border-[#E0E0E0] min-w-[236px] rounded-md px-3 py-1 text-[#808080] text-[18px]"  
48                   defaultValue="Newest" value={sortOrder}  
49                   onChange={(e) => setSortOrder(e.target.value)}  
50                 >  
51                   <option>Newest</option>  
52                   <option>Oldest</option>  
53                 </select>  
54  
55                 <label className="text-xl">Show :</label>  
56                 <select className="border border-[#E0E0E0] min-w-[236px] rounded-md px-3 py-1 text-[#808080] text-[18px]">  
57                   <option>Default</option>  
58                 </select>  
59               </div>  
60             </div>  
61  
62             <div className="flex gap-6">  
63               <ProductList displayedProducts={displayedProducts} />  
64               <Sidebar />  
65             </div>  
66           </div>  
67  
68           { /* Pagination Component */ }  
69           <h2 className="text-2xl font-bold text-center">  
70             Page <span className="text-[#FF9F00]">{currentPage}</span>  
71           </h2>  
72         </section>  
73       </StateContext>  
74     </div>  
75   </div>  
76 }  
77
```

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```
app > Components > ShopComponents > ClientSideComp > ServerShopList.tsx > ServerShopList
1 // app/Components/ShopComponents/ServerShopList.tsx (Server Component)
2 import { fetchProduct } from "@sanity/utils";
3 import ClientShopList from "../ClientShopList";
4
5 export default async function ServerShopList() {
6   const productData = await fetchProduct();
7
8   return <ClientShopList productData={productData} />;
9 }
```

app > Components > HomeComponents > Searchbar.tsx > ...

```
1  "use client";
2
3  import React, { useState } from "react";
4  import Image from "next/image";
5  import { useRouter } from "next/navigation";
6  import Search from "@app/Public/MagnifyingGlass.png";
7
8
9  const SearchBar = () => {
10   const [query, setQuery] = useState("");
11   const router = useRouter();
12
13   const handleSearch = () => {
14     if (query.trim()) {
15       router.push(`/Searchpage?query=${encodeURIComponent(query)}`);
16     }
17   };
18
19   return (
20     <div className="flex justify-end items-center">
21       <input
22         type="text"
23         placeholder="Search..."
24         className="bg-transparent px-4 h-[54px] rounded-l-full border-1 border-t border-b border-[#FF9F0D] outline-none"
25         value={query}
26         onChange={(e) => setQuery(e.target.value)}
27       />
28       <button className="px-4 py-2 h-[54px] rounded-r-full border border-[#FF9F0D] border-l-0" onClick={handleSearch}>
29         <Image src={Search} alt="Search" />
30       </button>
31     </div>
32   );
33 };
34
35 export default SearchBar;
36
```