

DAY_04 BUILDING DYNAMIC FRONTEND COMPONENTS

MARKETPLACE_BUILDER_HACKATHON_AVION_(E-COMMERCE)

1. INTRODUCTION:

Today's task includes creating Dynamic front Components for our Marketplace. Major target was to fetch data dynamically from Sanity CMS to the components like (Product-listing, Product details & cards) etc.

2. Key Components:

- Product Listing
- Product details using Dynamic routing
- Shopping Cart
- Search bar
- Header
- Footer etc.

Note:

My work is continued on the components as I'm encountering some errors.

Well, currently I have started some testing of the working components as well but, I will update the document and Repo as the works finishes successfully.

3. Some Sample Images of Components:

Product listing:



The Poplar suede sofa

£980

Quantity: 50



Tropical Vibe

£550

Quantity: 50



Sleek Living

£300

Quantity: 50



Serene Seat

£350

Quantity: 50



Nordic Elegance

£280

Quantity: 50



TimberCraft

£320

Quantity: 50



Timeless Elegance

£320

Quantity: 50



Modern Serenity

£480

Quantity: 50


Product Details (Dynamic Routing):

<http://localhost:3000/product-listings/product-11>

Avion

HomeListingShopping Cart🛒🔍

Plant potsCeramicsTablesChairsCrockeryTablewareCutlery



Sleek Living

\$300

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.

Features:

Premium materialHandmade upholsteryQuality timeless classic

Stock:

50

Dimensions:

Width: 75cm cm, Height: 110cm cm, Depth: 50cm cm

Tags


Add to Cart

<http://localhost:3000/product-listings/product-16>

Avion

HomeListingShopping Cart🛒🔍

Plant potsCeramicsTablesChairsCrockeryTablewareCutlery



Modern Serenity

\$480

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.

Features:

Premium materialHandmade upholsteryQuality timeless classic

Stock:

50

Dimensions:

Width: 75cm cm, Height: 110cm cm, Depth: 50cm cm

Tags

Add to Cart

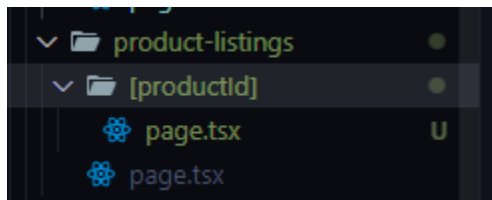
Code Snippets (Listing):

```
const ProductListings = () => {
  const [products, setProducts] = useState<Product[]>([]);
  const [loading, setLoading] = useState<boolean>(true);

  useEffect(() => {
    const fetchProducts = async () => {
      try {
        const fetchedProducts: Product[] = await client.fetch(
          `http://localhost:3001/products`,
          {
            *_type == "product" {
              _id,
              name,
              description,
              quantity,
              price,
              dimensions,
              "image_url": image.asset->url,
            }
          }
        );
        setProducts(fetchedProducts);
        setLoading(false);
      } catch (error) {
        console.error('Error fetching products:', error);
        setLoading(false);
      }
    };
  });
};
```

```
1  /* Product Grid */
2  <div className="grid grid-cols-2 sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4 gap-6 py-6">
3    {products.map((product) => (
4      <Link href={`/product-listings/${product._id}`} key={product._id}>
5        <div className="flex flex-col items-start p-4 bg-white shadow-sm hover:shadow-md hover:scale-105 transition-transform duration-300 rounded-md">
6          <div className="relative w-full h-64">
7            <Image
8              src={product.image_url}
9              alt={product.name}
10             layout="fill"
11             objectFit="cover"
12             className="rounded"
13           />
14         </div>
15         <h3 className="text-lg font-semibold mb-2">{product.name}</h3>
16         <p className="text-gray-800 text-xl mb-2">{product.price}</p>
17         <p className="text-sm text-gray-500">Quantity: {product.quantity || 'N/A'}</p>
18       </div>
19     </Link>
20   )
21   )
22 </div>
23 </section>
24 );
25 };
26
27 export default ProductListings;
```

Code Snippets (Dynamic Routing):



```

return (
  <main>
    <section className="max-w-[1440px] grid grid-cols-1 lg:grid-cols-2 mt-2 lg:mt-10 gap-8 mx-auto justify-center items-center">
      { /* Image Section */ }
      <div className="w-full lg:w-auto lg:max-w-lg">
        <Image
          src={product.image_url}
          alt={product.name}
          layout="responsive"
          width={500}
          height={600}
          className="object-contain mb-5 lg:mb-10"}
        />
      </div>
      { /* Product Details Section */ }
      <div className="flex flex-col gap-4 mb-5 lg:mb-10 lg:px-5">
        <h1 className="text-4xl font-bold">{product.name}</h1>
        <p className="text-2xl font-semibold">${product.price}</p>
        <p className="text-lg">{product.description}</p>
        <p className="text-2xl font-semibold">Features:</p>
        <p className="text-lg">{product.features}</p>
        <p className="text-2xl font-semibold">Stock:</p>
        <p className="text-lg">{product.quantity}</p>
        <p className="text-2xl font-semibold">Dimensions:</p>
        <p className="text-lg">{`Width: ${width} cm, Height: ${height} cm, Depth: ${depth} cm`}</p>
        <h2 className="text-2xl font-bold mt-4">Tags</h2>
        <p className="text-lg">{product.tags}</p>
        { /* Button */ }
        <button className="mt-8 px-4 py-2 sm:px-6 sm:py-3 bg-customColors-dark-primary text-white font-bold hover:bg-customColors-border-dark hover:text-black transition-color">
          <Link href="">Add to Cart</Link>
        </button>
      </div>
    </section>
  </main>
);
);
};

```

```
src > app > product-listings > page.tsx [0] default
1  import ProductListings from '@components/ProductListings'
2  import React from 'react'
3
4  function page() {
5    return (
6      <div>
7        <ProductListings/>
8      </div>
9    )
10 }
11
12 export default page
```

Dynamic Routes Tested:

http://localhost:3000/product-listings/product-4

Avion

Home

Listing

Shopping Cart



Plant pots

Ceramics

Tables

Chairs

Crockery

Tableware

Cutlery



Bed

\$250

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.

Features:

Premium materialHandmade upholsteryQuality timeless classic

Stock:

50

Dimensions:

Width: 75cm cm, Height: 110cm cm, Depth: 50cm cm

Tags

Add to Cart

Header Component:

Avion

Home

Listing

Shopping Cart



Plant pots

Ceramics

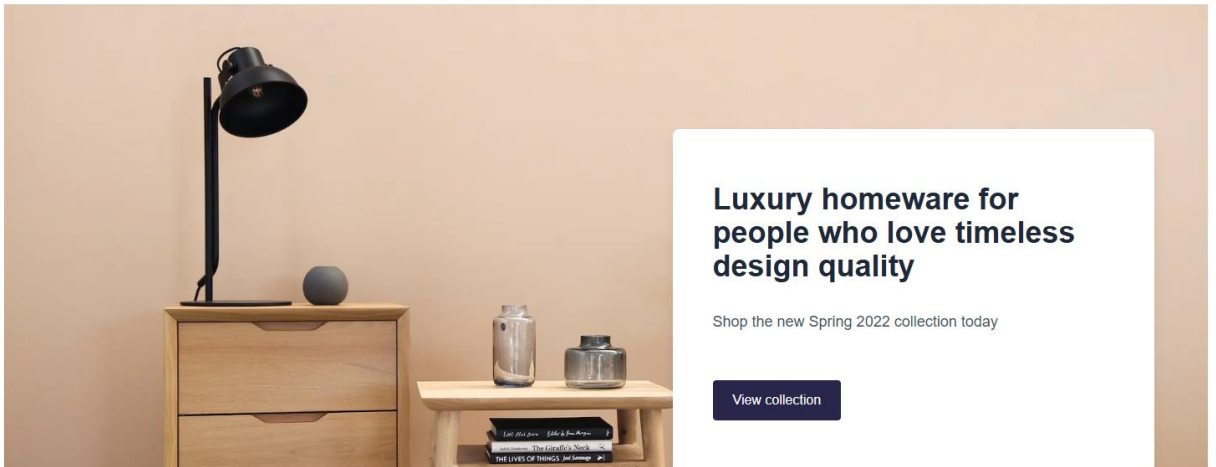
Tables

Chairs

Crockery

Tableware

Cutlery



Code Snippet (Header Component):

```
import React from "react";
import { IoSearch } from "react-icons/io5";
import { MdOutlineShoppingCart } from "react-icons/md";
import { FaRegUserCircle } from "react-icons/fa";
import Link from "next/link";
import { Menu } from "lucide-react";
import { Sheet, SheetContent, SheetTrigger } from "../ui/sheet";
import { CommandDemo } from "../Command";

const Navbar = () => {
  return (
    <div className="navbar p-4 md:p-5">
      <div className="container mt-4 mx-auto flex justify-between items-center">
        <div className="flex flex-1 justify-between items-center">
          <div className="flex flex-1">
            <Link href="/">
              <h1 className="text-2xl text-right font-bold">Avion</h1>
            </Link>
          </div>
          <div className="flex flex-1">
            <Sheet>
              <SheetTrigger className="lg:hidden">
                <Menu className="w-6 h-6" />
              </SheetTrigger>
              <SheetContent className="p-14 w-full">
                <div className="flex justify-end gap-5 items-center text-md text-right">
                  <Link href="/">
                    Home
                  </Link>
                  <Link href="/product-listings">
                    Listing
                  </Link>
                  <Link href="/cart">
                    Shopping Cart
                  </Link>
                </div>
                <div>
                  <MdOutlineShoppingCart className="w-6 h-6" href="/cart" />
                  <FaRegUserCircle className="w-6 h-6" />
                  <IoSearch className="w-6 h-6" />
                  <CommandDemo />
                </div>
                <div>
                  Amazon Q Tip 2/3: Invoke suggestions with [Alt] + [C] ([ESC] to exit)
                </div>
                <div className="grid grid-cols-1 gap-4">
                  <div>Plant pots</div>
                </div>
              </SheetContent>
            </Sheet>
          </div>
        </div>
      </div>
    </div>
  );
};
```

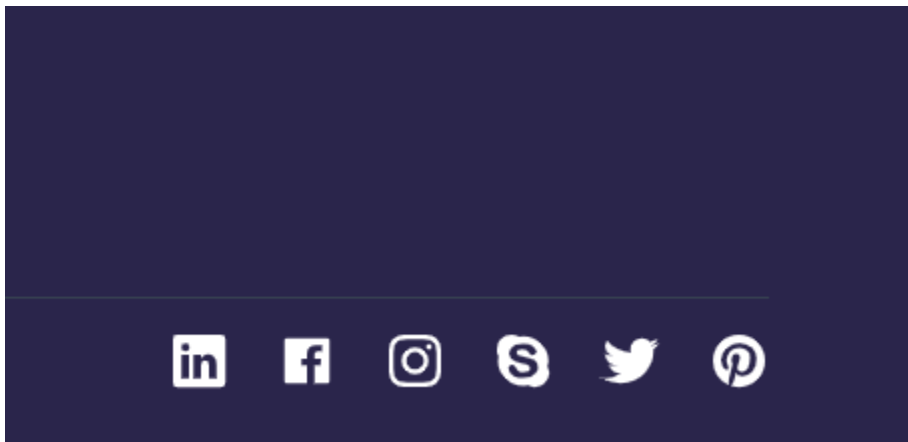
Footer Component:

Menu	Categories	Our company	Join our mailing list	
New arrivals	Crockery	About us	your@email.com	Sign up
Best sellers	Furniture	Vacancies		
Recently viewed	Homeware	Contact us		
Popular this week	Plant pots	Privacy		
All products	Chairs	Returns policy		
	Crockery			
Copyright 2022 Avion LTD				

Footer Component (Code Snippet):

```
function Footer() {  
  <li>Plant pots</li>  
  <li>Chairs</li>  
  <li>Crockery</li>  
</ul>  
</div>  
  { /* Our Company Section */}  
  <div>  
    <h4 className="font-bold mb-4">Our company</h4>  
    <ul className="space-y-2">  
      <li>About us</li>  
      <li>Vacancies</li>  
      <li>Contact us</li>  
      <li>Privacy</li>  
      <li>Returns policy</li>  
    </ul>  
  </div>  
  { /* Mailing List Section */}  
  <div>  
    <h4 className="font-bold mb-4">Join our mailing list</h4>  
    <form className="flex flex-col md:flex-row">  
      <input  
        type="email"  
        placeholder="your@email.com"  
        required  
        className="p-3 mb-2 md:mb-0 bg-customColors-primary text-black md:mr-2 flex-grow"  
      />  
      <button className="p-3 bg-customColors-light-grey text-black font-medium hover:bg-gray-800 hover:text-white transition-colors duration-300">  
        Sign up  
      </button>  
    </form>  
  </div>  
</div>  
  { /* Bottom Section */}  
  <div className="max-w-[1440px] mx-auto mt-8 border-t border-gray-700 pt-4 px-4 md:px-0">  
    <div className="flex flex-col md:flex-row justify-between items-center">  
      <p className="mb-4 md:mb-0">Copyright 2022 Avion LTD</p>  
      <div className="flex items-center gap-6">  
        <IoLogoLinkedin size={30} />  
        <IoLogoFacebook size={30} />  
        <FaInstagram size={30} />  
        <IoLogoSkype size={30} />  
        <IoLogoTwitter size={30} />  
        <IoLogoPinterest size={30} />  
      </div>  
    </div>  
  </div>  
</footer>  
}
```

Social Media Sharing Component:



FAQ's Components:

FAQ's:

What materials do you use for your furniture?



Do you offer a warranty on your products?



How do I maintain my wooden furniture?



“Shadcn/ui” Accordion component is used here.

FAQ's:

What materials do you use for your furniture?



We use high-quality materials such as solid wood, engineered wood, metal, and premium upholstery fabrics to ensure durability and style.

Do you offer a warranty on your products?



How do I maintain my wooden furniture?



FAQ's Component (Code Snippet):

```
import {
  Accordion,
  AccordionContent,
  AccordionItem,
  AccordionTrigger,
} from "@components/ui/accordion"

export function FAQ() {
  return (
    <main className="max-w-[1440px] mx-auto">
      <h1 className="text-3xl font-extrabold mb-5 lg:mb-5 mt-5 lg:mt-10" >FAQ</h1>
      <Accordion type="single" collapsible className="w-[600px]">
        <AccordionItem value="item-1">
          <AccordionTrigger className="text-xl font-semibold">What materials do you use for your furniture?</AccordionTrigger>
          <AccordionContent className="text-lg">
            We use high-quality materials such as solid wood, engineered wood, metal,<br/> and premium upholstery fabrics to ensure durability and style.
          </AccordionContent>
        </AccordionItem>
        <AccordionItem value="item-2">
          <AccordionTrigger className="text-xl font-semibold">Do you offer a warranty on your products?</AccordionTrigger>
          <AccordionContent className="text-lg">
            Yes, our furniture comes with a standard warranty. Warranty details vary<br/> by product and can be found in the product description.
          </AccordionContent>
        </AccordionItem>
        <AccordionItem value="item-3">
          <AccordionTrigger className="text-xl font-semibold">How do I maintain my wooden furniture?</AccordionTrigger>
          <AccordionContent className="text-lg">
            Use a soft, dry cloth to clean the surface regularly. Avoid direct sunlight<br/> and moisture to maintain its shine and durability.
          </AccordionContent>
        </AccordionItem>
      </Accordion>
    </main>
  )
}
```

Amazon Q Tip 2/3: Invoke suggestions with [Alt] + [C] ([ESC] to exit)

Imported in “Product-listing.tsx”:

```

        objectFit="cover"
        className="rounded"
      />
    </div>
    <h3 className="text-lg font-semibold mb-2">{product.name}</h3>
    <p className="text-gray-800 text-xl mb-2">£{product.price}</p>
    <p className="text-sm text-gray-500">Quantity: {product.quantity || 'N/A'}</p>
  </div>
</Link>
  </div>
</div>
</FAQ>
</section>
);
};

export default ProductListings;

```

Note:

These are working perfectly so far, however I'm facing some Errors in the other Components so I'm debugging and figuring out the Problem.

Once done, will update and post all the Components and the document on LinkedIn and GitHub.

Hoping for the best and ease in the work **Insha'Allah!**