

Building Dynamic Frontend Components For Marketplace- Bandage

Brand Name: Bandage

Theme: A focus on modern, vibrant, and lightweight fashion, emphasizing summer comfort and style.

Day 4 Hackathon Tasks:

Key Components:


Product Listing Component:

Source code snippet:

```
src > components > Shop > ShopProduct.tsx > ...
1  "use client";
2
3  import { client } from "@sanity/lib/client";
4  import { urlFor } from "@sanity/lib/image";
5  import { allProducts } from "@sanity/lib/queries";
6  import { Product } from "../../types/products";
7  import Image from "next/image";
8  import React, { useEffect, useState } from "react";
9  import Link from "next/link";
10
11  const Items = () => {
12    const [products, setProducts] = useState<Product[]>([]);
13
14    // Truncate Description for Display
15    const truncateDescription = (text: string | undefined) => {
16      return text && text.length > 100
17        ? text.slice(0, 100) + "..."
18        : text || "No description available.";
19    };
20
21    // Fetch Products from Sanity
22    useEffect(() => {
23      async function fetchProducts() {
24        try {
25          const fetchedProducts: Product[] = await client.fetch(allProducts);
26          setProducts(fetchedProducts);
27        } catch (error) {
28          if (error instanceof Error) {
29            console.error("Error fetching products:", error.message);
30          } else {
31            console.error("An unexpected error occurred:", error);
32          }
33        }
34      }
35    }, []);
36  };
37}
```

```
48
49
50 {product.productImage?.asset?._ref && (
51   <Image
52     src={urlFor(product.productImage.asset._ref).url()}
53     alt={product.title}
54     width={200}
55     height={200}
56     className="w-full h-48 object-cover rounded-md"
57   />
58 )}
59 <h2 className="text-lg font-semibold mt-4">{product.title}</h2>
60 <p className="text-gray-500 mt-2">
61   {product.price ? `$$${product.price}` : "Price not available"}
62 </p>
63 <p className="text-slate-800 mt-2 text-sm">
64   {truncateDescription(product.description)}
65 </p>
66 {product.discountPercentage > 0 && (
67   <p className="text-sm text-green-600">
68     {product.discountPercentage}% OFF
69   </p>
70 )}
71
72 {/* Read More dynamic Link */}
73 <Link
74   href={` /product/${product.slug?.current}`}
75   className="block px-4 py-1 text-center bg-accentDarkSecondary rounded text-dark font-semibold mt-4"
76 >
77   Read More
78 </Link>
```

Output Snippet:




Rustic Vase Set

\$210

Bring the charm of nature into your home with the Rustic Vase Set. Perfect for those who appreciate ...

[Read More](#)




Timber Craft

\$320

Introducing TimberCraft—a collection that celebrates the timeless beauty of wood craftsmanship and t...

[Read More](#)




Syltherine

\$200

Introducing Syltherine – the ultimate fusion of elegance and power. Crafted for those who demand exc...

[Read More](#)



Wood Chair

\$100

Introducing the Wood Chair—a beautifully crafted piece that blends timeless simplicity with natural ...

[Read More](#)

Product Detail Component:

Source code snippet:

```

src > app > product > [slug] > page.tsx > ProductPage
1  import { client } from "@sanity/lib/client";
2  import { urlFor } from "@sanity/lib/image";
3  import { Product } from "../../types/products";
4  import { groq } from "next-sanity";
5  import Image from "next/image";
6  import React from "react";
7
8  interface ProductPageProps {
9    params: { slug: string };
10 }
11
12 // Fetch product details from Sanity
13 async function getProduct(slug: string): Promise<Product | null> {
14   try {
15     return client.fetch(
16       groq`
17         *[_type == "product" && slug.current == $slug][0]{
18           _id,
19           title,
20           _type,
21           productImage,
22           price,
23           description,
24           tags,
25           discountPercentage
26         }
27       `,
28       { slug }
29     );
30   } catch (error) {
31     console.error("Error fetching product:", error);
32     return null;
33   }
34 }

```

```

34 }
35
36 export default async function ProductPage({ params }: ProductPageProps) {
37   const { slug } = params;
38   const product = await getProduct(slug);
39
40   if (!product) {
41     return (
42       <div className="max-w-7xl mx-auto px-4 py-8 text-center">
43         <h1 className="text-2xl font-bold text-red-500">Product Not Found</h1>
44         <p className="text-gray-600 mt-4">The product you're looking for does not exist.</p>
45       </div>
46     );
47   }
48
49   return (
50     <div className="max-w-7xl mx-auto px-4 py-8">
51       <div className="grid grid-cols-1 md:grid-cols-2 gap-12">
52         <div className="aspect-square">
53           {product.productImage?.asset?._ref ? (
54             <Image
55               src={urlFor(product.productImage.asset._ref).url()}
56               alt={product.title}
57               width={500}
58               height={500}
59               className="rounded-lg shadow-md"
60             />
61           ) : (
62             <div className="bg-gray-200 h-full w-full rounded-lg flex items-center justify-center">
63               <p className="text-gray-500">No image available</p>
64             </div>
65           )}
66         <div>
67           <h2>Product Details</h2>
68           <p>Product description</p>
69           <p>Product price</p>
70           <p>Product tags</p>
71         </div>
72       </div>
73     </div>
74   );
75 }

```

Activate V
Go to Setting

```

68
69   <div>
70     <div className="flex flex-col gap-8">
71       <h1 className="text-4xl font-bold">{product.title}</h1>
72       <p className="text-2xl font-semibold text-gray-700">
73         ${product.price ? product.price.toFixed(2) : "N/A"}
74       </p>
75       {product.discountPercentage > 0 && (
76         <p className="text-green-600 font-medium">
77           {product.discountPercentage}% OFF
78         </p>
79       )}
80       <p className="text-gray-500">
81         {product.description || "No description available."}
82       </p>
83       <div className="flex flex-wrap gap-2">
84         {product.tags?.length ? (
85           product.tags.map((tag, index) => (
86             <span
87               key={index}
88               className="text-xs bg-gray-200 text-gray-800 rounded-md px-2 py-1"
89             >
90               {tag}
91             </span>
92           ))
93         ) : (
94           <span className="text-sm text-gray-500">No tags available.</span>
95         )}
96       </div>
97     </div>
98   </div>

```

Activ
Go to S

Output Snippet:



Reflective Haven

Create a sanctuary of calm and introspection with ReflectiveHaven—a collection designed to bring peace, tranquility, and thoughtful elegance into your space. Inspired by serene environments and mindful living, ReflectiveHaven is perfect for those seeking a retreat from the hustle and bustle of everyday life. This collection invites you to slow down, reflect, and enjoy moments of stillness. The pieces in the ReflectiveHaven collection are designed with clean lines, soothing tones, and a harmonious blend of textures that foster a sense of balance and serenity. From minimalist furniture to subtle decorative accents, each item is thoughtfully crafted to create an atmosphere that encourages mindfulness and personal reflection. The calming neutral hues, natural materials, and understated beauty make it easy to turn any room into a peaceful haven. Perfect for meditation spaces, cozy reading nooks, or tranquil bedrooms, ReflectiveHaven brings a sense of clarity and inner peace to your home. It's for those who value simplicity, balance, and the ability to create an environment that nurtures both mental clarity and physical relaxation. Key Features: Minimalist design with a focus on calm, neutral tones and natural materials High-quality...

Price: \$300.00

Available Colors:



reflective haven contemporary modern



Add to Cart

Login Component:

Source code snippet:

```

src > app > Register > page.tsx > Register
1  import { FaGoogle, FaFacebook, FaGithub } from "react-icons/fa";
2  export default function Register() {
3    return (
4      <div className="min-h-screen flex items-center justify-center bg-gray-600">
5        <div className="flex w-full max-w-md shadow-lg bg-white rounded-lg p-8">
6          <div className="w-full">
7            <h2 className="text-3xl font-bold text-gray-800 text-center mb-6">
8              Create an Account
9            </h2>
10           <form>
11             { /* Full Name */ }
12             <div className="mb-4">
13               <label
14                 htmlFor="fullName"
15                 className="block text-gray-700 text-sm font-bold mb-2"
16               >
17                 Full Name
18               </label>
19               <input
20                 type="text"
21                 id="fullName"
22                 className="w-full px-4 py-2 border rounded-lg focus:outline-none focus:ring-2 focus:ring-green-400"
23                 placeholder="Enter your full name"
24               />
25             </div>
26
27             { /* Email */ }
28             <div className="mb-4">
29               <label
30                 htmlFor="email"

```

Output Snippet:

Create an Account

Full Name

Enter your full name

Email Address

Enter your email

Password

Create a password

Confirm Password

Re-enter your password

Register

Or register with

G

f

Already have an account? [Login here](#)

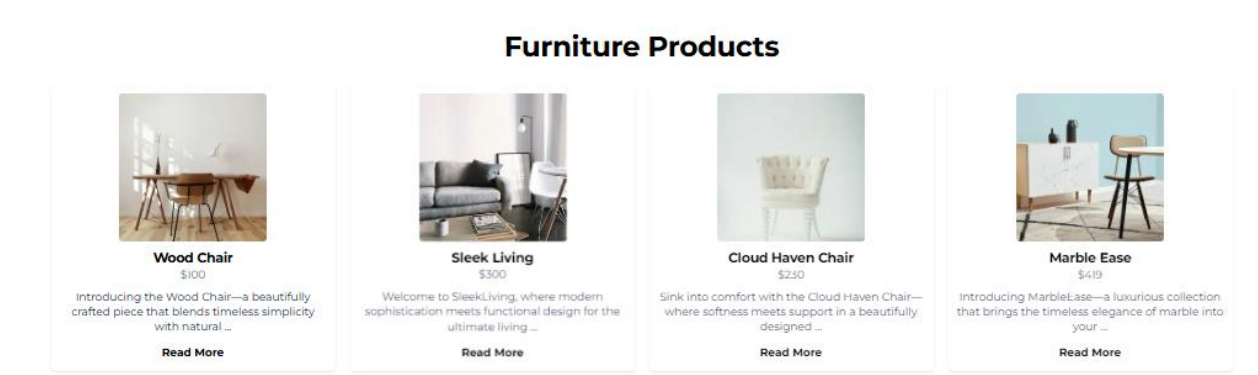
Category Component:

Source code snippet:

```
  <Shop>  
    <Bedroom>  
      <page.tsx>  
    <Furniture>  
      <page.tsx>  
    <Home-decor>  
      <page.tsx>  
    <Lighting>  
      <page.tsx>  
  </Shop>
```

```
src > app > Shop > Bedroom > page.tsx > Bedroom
1 import React from "react";
2 import { client } from "@sanity/lib/client";
3 import Image from "next/image";
4 import Link from "next/link";
5 import ShopNavigation from "@components/Shop/ShopNav";
6 export default async function Bedroom() {
7   const products = await client.fetch(
8     `*[_type == "product" && category == "bedroom"]{
9     title,
10    price,
11    description,
12    productImage {
13      asset -> { url }
14    },
15    slug
16  }`
17  );
18
19  const truncateDescription = (text: string | undefined) => {
20    return text && text.length > 100
21      ? text.slice(0, 100) + "..."
22      : text || "No description available.";
23  };
24
25  return (
26    <div className="p-4">
27      <ShopNavigation/>
28      {/* Centered Heading */}
29      <h1 className="text-3xl font-bold text-center mb-6">Bedroom Products</h1>
30
31      {/* Center the product grid */}
32      <div className="grid grid-cols-2 sm:grid-cols-3 lg:grid-cols-4 gap-4 mx-auto max-w-7xl">
```

Output Snippet:



Search Bar:

Source code snippet:


```

    {/* Search Bar in Header */}
    <div className="relative flex items-center space-x-4">
      {/* Search Bar */}
      <div className="relative w-full">
        <input
          type="text"
          className="w-full py-2 pl-4 pr-12 border rounded-lg focus:outline-none"
          placeholder="Search products..."
          value={searchQuery}
          onChange={(e) => handleSearch(e.target.value)}
        />
        {/* Search Icon on the Right */}
        <FaSearch className="absolute right-3 top-1/2 transform -translate-y-1/2 text-[#737373]" />
      </div>
    </div>

```

Output Snippet:

🔍

Cart Component:

Source code snippet:

```


src > app > Cart > page.tsx > ...
1  "use client"; |
2  import { useEffect, useState } from "react";
3  import { FaTrash, FaHeart } from "react-icons/fa";
4  import { urlFor } from "@sanity/lib/image";
5  import Link from "next/link";
6
7  const CartPage = () => {
8    const [cart, setCart] = useState<any[]>([]);
9    useEffect(() => {
10      const storedCart = JSON.parse(localStorage.getItem("cart") || "[]");
11      setCart(storedCart);
12    }, []);
13
14    // Function to add product to cart
15    const handleAddToCart = (product: any) => {
16      const existingProductIndex = cart.findIndex((item) => item.id === product.id);
17
18      if (existingProductIndex > -1) {
19        const updatedCart = [...cart];
20        updatedCart[existingProductIndex].quantity += 1;
21        setCart(updatedCart);
22        localStorage.setItem("cart", JSON.stringify(updatedCart));
23      } else {
24        const newProduct = { ...product, quantity: 1 };
25        const updatedCart = [...cart, newProduct];
26        setCart(updatedCart);
27        localStorage.setItem("cart", JSON.stringify(updatedCart));
28      }
29    };
30
31    // Handle quantity change (increase or decrease)
32    const handleQuantityChange = (index: number, action: "increase" | "decrease") => {



```

Output Snippet:

Free Delivery applies to orders of \$5000 or more. View details

Bandage



Timber Craft
 

- 2 +

\$640.00

Cart Summary

Subtotal:	\$640.00
Delivery Charges:	\$100.00
Total:	\$740.00

Proceed to Checkout

Free Delivery applies to orders of \$5000 or more. View details

Bandage

Your cart is empty.

[Go to Shop](#)

Checkout Flow Component:

Source code snippet:

```
src > app > Checkout > page.tsx > PaymentPage
 2  import React, { useState } from "react";
 3
 4  const PaymentPage = () => {
 5    const [formSubmitted, setFormSubmitted] = useState(false);
 6
 7    const handleSubmit = (e: any) => {
 8      e.preventDefault();
 9      setFormSubmitted(true);
10      setTimeout(() => setFormSubmitted(false), 3000); // Reset message after 3 seconds
11    };
12
13    return (
14      <div className="min-h-screen flex items-center justify-center bg-gray-100">
15        <div className="bg-white p-8 rounded-lg shadow-md w-full max-w-4xl">
16          <h2 className="text-center text-2xl font-bold mb-6 text-gray-800">Payment Details</h2>
17          <form onSubmit={handleSubmit}>
18            <div className="grid grid-cols-1 md:grid-cols-2 gap-6">
19              <div>
20                <h3 className="text-lg font-semibold text-gray-700 mb-4">Billing Address</h3>
21                <div className="space-y-4">
22                  <div>
23                    <label className="block text-sm font-medium text-gray-700">Full Name :</label>
24                    <input
25                      type="text"
26                      placeholder="Enter your full name"
27                      className="mt-1 block w-full border border-gray-300 rounded-md shadow-sm p-2"
28                    />
29                  </div>
30                </div>
31              </div>
32            </div>
33          </form>
34        </div>
35      </div>
36    );
37  }
```

Output Snippet:

Payment Details

Billing Address

Full Name :

Email :

Address :


City :

State :

Zip Code :

Payment

Cards Accepted :



Name on Card :

Credit Card Number :

Exp Month :

Exp Year :

CVV :

Proceed to Checkout

Filter Panel Component:

Source code snippet:

```

/* Display Filtered Products in the Header */
{filteredProducts.length > 0 && searchQuery && (
  <div className="p-4 bg-white shadow-lg rounded-lg mt-4">
    <h2 className="text-lg font-bold">Search Results:</h2>
    <div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4 gap-6 mt-4">
      {filteredProducts.map((product) => (
        <div
          key={product._id}
          className="border rounded-lg shadow-md p-4 hover:shadow-lg transition duration-200"
        >
          /* Product Image */
          {product.productImage?.asset?._ref && (
            <Image
              src={urlFor(product.productImage.asset._ref).url()}
              alt={product.title}
              width={200}
              height={200}
              className="w-full h-48 object-cover rounded-md"
            />
          )}
        </div>
      )}
    </div>
  </div>
)}

```

Output Snippet:

Search Results:



The Lucky Lamp

\$200

Introducing The Lucky Lamp—a unique blend of charm, elegance, and positive energy designed to illumi...

[View Details](#)



The Dandy chair

\$150

Meet The Dandy Chair—the epitome of comfort, style, and sophistication. Designed for those who appre...

[View Details](#)

Footer and Header Components:

Source code snippet:

Header:

```

1  import React from 'react';
2  import Link from 'next/link';
3  import { FaInstagram, FaYoutube, FaFacebookF, FaTwitter, FaRegUser } from "react-icons/fa";
4  const FirstHeader = () => {
5    return (
6      <div className="bg-[#252B42] text-white px-2 py-1">
7        <div className="container mx-auto px-4 flex justify-between items-center text-sm">
8          <div className="flex items-center space-x-4">
9            <FaInstagram className="hover:text-gray-300 cursor-pointer h-5 w-5" />
10           <FaYoutube className="hover:text-gray-300 cursor-pointer h-5 w-5" />
11           <FaFacebookF className="hover:text-gray-300 cursor-pointer h-5 w-5" />
12           <FaTwitter className="hover:text-gray-300 cursor-pointer h-5 w-5" />
13         </div>
14         <div className="flex items-center space-x-6">
15           <Link
16             href="/FAQs"
17             className="hover:text-[#23A6F0] font-bold text-[14px] tracking-[0.2px]"
18           >Help
19         </Link>
20         <Link
21           href="/login"
22           className="flex items-center hover:text-[#23A6F0] font-bold text-[14px] tracking-[0.2px]"
23         >
24           <FaRegUser className="mr-1 h-5 w-5" /> Login / Register
25         </Link>
26       </div>
27     </div>
28   </div>
29 );
30 };
31
32 export default FirstHeader;

```

```

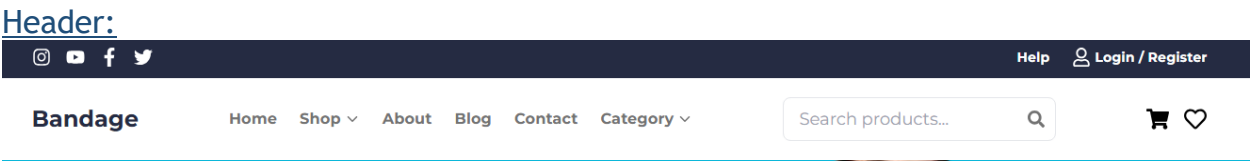
58 return [
59   <header>
60     <div className="bg-white shadow py-5">
61       <div className="container mx-auto px-4 flex justify-between items-center text-lg w-full">
62         <h3 className="text-[#252B42] font-bold text-[24px]">Bandage</h3>
63
64         {/ * Navigation Links */}
65         <nav className="flex space-x-6 items-center">
66           <Link href="/" className="hover:text-[#23A6F0] font-bold text-[16px] text-[#737373] tracking-[0.2px]">
67             Home
68           </Link>
69
70           <div className="relative cursor-pointer" onClick={toggleDropdown}>
71             <div className="flex items-center space-x-1 font-bold text-[16px] text-[#737373] tracking-[0.2px] hover:text-[#23A6F0]">
72               <Link href="/Shop">Shop</Link>
73               <IoIosArrowDown className="text-[#737373]" />
74             </div>
75             {/ * Dropdown Menu */}
76             {dropdownOpen && (
77               <div className="absolute bg-white shadow-lg rounded-lg py-2 mt-2 w-40">
78                 <Link href="/Team" className="block px-4 py-2 text-sm text-[#737373] hover:bg-blue-100 hover:text-[#23A6F0]">
79                   Team
80                 </Link>
81               </div>
82             )}
83           </div>
84         </nav>
85       </div>
86     </div>
87   ]
88 }

```

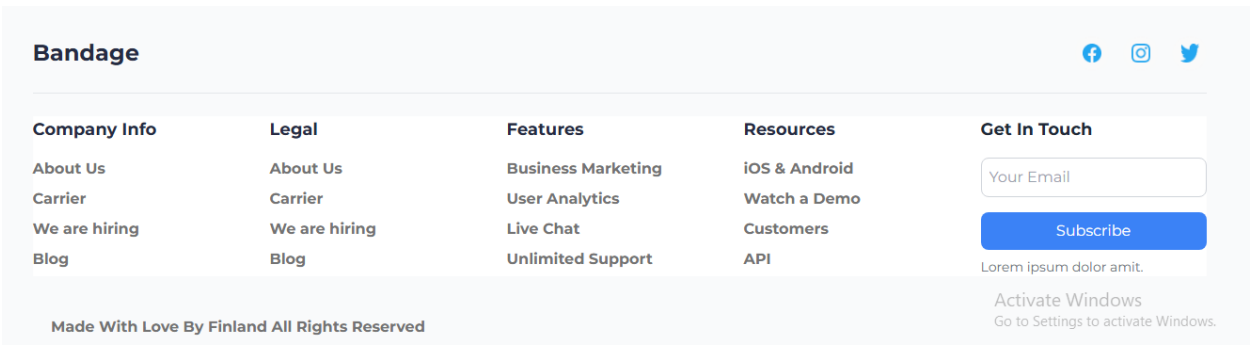
Footer:

```
src > components > Home > Footer1.tsx > Footer
6   export default function Footer() {
28
29     /* Links Section */
30     <div className="grid grid-cols-1 md:grid-cols-5 gap-3 bg-white">
31       /* Column 1: Company Info */
32       <div>
33         <h3 className="text-lg font-bold mb-4 text-[#252B42]">Company Info</h3>
34         <ul className="space-y-2">
35           <li><a href="#" className={`hover:underline text-[#737373] ${montserrat.className}`}>About Us</a></li>
36           <li><a href="#" className={`hover:underline text-[#737373] ${montserrat.className}`}>Carrier</a></li>
37           <li><a href="#" className={`hover:underline text-[#737373] ${montserrat.className}`}>We are hiring</a></li>
38           <li><a href="#" className={`hover:underline text-[#737373] ${montserrat.className}`}>Blog</a></li>
39         </ul>
40       </div>
41
42       /* Column 2: Legal */
43       <div>
44         <h3 className="text-lg font-bold mb-4 text-[#252B42]">Legal</h3>
45         <ul className="space-y-2">
46           <li><a href="#" className={`hover:underline text-[#737373] ${montserrat.className}`}>About Us</a></li>
47           <li><a href="#" className={`hover:underline text-[#737373] ${montserrat.className}`}>Carrier</a></li>
48           <li><a href="#" className={`hover:underline text-[#737373] ${montserrat.className}`}>We are hiring</a></li>
49           <li><a href="#" className={`hover:underline text-[#737373] ${montserrat.className}`}>Blog</a></li>
50         </ul>
51       </div>
52
53       /* Column 3: Features */
54       <div>
55         <h3 className="text-lg font-bold mb-4 text-[#252B42]">Features</h3>
56         <ul className="space-y-2">
```

Output Snippet:



Footer:



FAQ and Help Center Component:

Source code snippet:

```

src > app > FAQs > ✖️ page.tsx > ...
1  'use client'
2  import React, { useState } from "react";
3  import Header from "@components/Home/SecondHeader";
4  import Footer from "@components/Home/Footer1";
5  const FAQPage = () => {
6      const [openIndex, setOpenIndex] = useState<number | null>(null);
7
8      const faqs = [
9          {
10             question: "How can I track my order?",
11             answer:
12                 "Once your order has been shipped, you will receive an email with tracking details. You can use the tracking
13             },
14             {
15                 question: "Do you offer international shipping?",
16                 answer:
17                     "Yes, we do offer international shipping. Shipping costs will be calculated at checkout based on your locat
18             },
19             {
20                 question: "How do I contact customer service?",
21                 answer:
22                     "You can reach our customer service team by email at support@bandage.com, or through our contact form on th
23             },
24             {
25                 question: "What payment methods do you accept?",
26                 answer:
27                     "We accept all major credit cards, and bank transfers. Please refer to our payment page for more details.",
28             },
29             {

```

```

80
81     const toggleAnswer = (index: number) => {
82         setOpenIndex(openIndex === index ? null : index); // Toggle between showing and hiding the answer
83     };
84
85     return (
86         <div>
87             <Header />
88             <div className="flex flex-col justify-center items-center bg-gray-400 min-h-screen bg-gray-100 py-10">
89
90                 <h1 className="text-3xl font-bold mb-8 text-center">Frequently Asked Questions</h1>
91                 <div className="w-full max-w-2xl bg-white p-6 rounded-lg shadow-lg">
92                     {faqs.map((faq, index) => (
93                         <div key={index} className="mb-6">
94                             <div
95                                 onClick={() => toggleAnswer(index)}
96                                 className="flex items-center cursor-pointer"
97                             >
98                                 <span className="text-xl mr-3">{openIndex === index ? "[-]" : "+"}</span>
99                                 <h2 className="text-xl font-semibold">{faq.question}</h2>
100                             </div>
101                             {openIndex === index && <p className="mt-2 text-gray-600">{faq.answer}</p>}
102                         </div>
103                     ))}
104                 </div>
105             </div>
106             <Footer />

```

Output Snippet:

Frequently Asked Questions

- How can I track my order?

Once your order has been shipped, you will receive an email with tracking details. You can use the tracking number on the carrier's website.

+ Do you offer international shipping?

+ How do I contact customer service?

+ What payment methods do you accept?

+ Is my payment information secure?

+ Can I modify my order after placing it?

+ What is your return policy?

+ How long does shipping take?

+ Do you offer gift cards?

+ Can I cancel my order?

+ How do I return an item?

+ Can I apply multiple discounts to my order?

+ Do you offer free shipping?

+ Can I change my delivery address after placing an order?

Social Media Sharing Component:

Source code snippet:

```
/* Social Media Icons */
<div className="flex space-x-4">
  <a href="https://www.facebook.com/" className="p-2 bg-[#FAFAFA] rounded-full hover:bg-blue-200">
    
  </a>
  <a href="https://www.instagram.com/" className="p-2 bg-[#FAFAFA] rounded-full hover:bg-blue-200">
    
  </a>
  <a href="https://www.twitter.com/" className="p-2 bg-[#FAFAFA] rounded-full hover:bg-blue-200">
    
  </a>
</div>
</div>
```

Output Snippet:

Bandage



API Integration:

1. **Sanity API Fetching Process:** As you are utilizing Sanity CMS, make sure the data fetching is handled appropriately. • **Sanity Client Configuration (if not already implemented):** Set up the Sanity client in your `lib` folder for API integration.

Dynamic Routing

Dynamic routing is employed to manage routes such as `/Product/[slug]` for individual product pages.

1. **Create a Dynamic Route File:**
Inside the `app` directory, create a `[slug]` folder then `page.tsx` file within the `product` folder:

```
src > app > product > [slug] > ⚙️ page.tsx > 📦 ProductPage
```

2. **Get Product Data Dynamically:**

Final Check List:

Frontend Component Development	Styling and Responsiveness	Code Quality	Documentation and Submission	Final Review
✓	✓	✓	✓	✓