DAY 4 - BUILDING DYNAMIC FRONTEND COMPONENTS FOR GENERAL E-COMMERCE MARKETPLACE
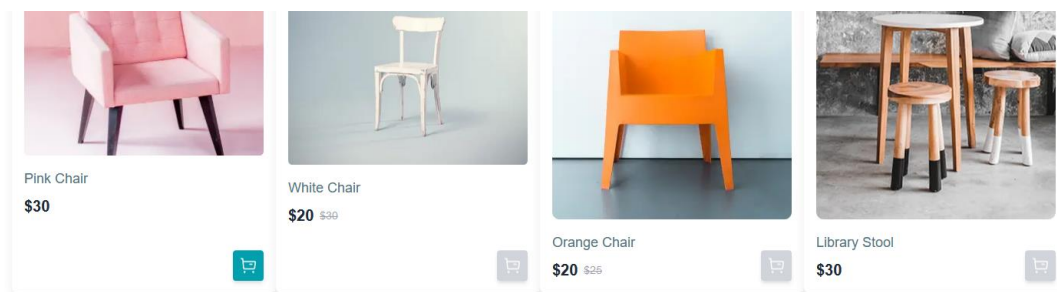
1. Product Listing Component:
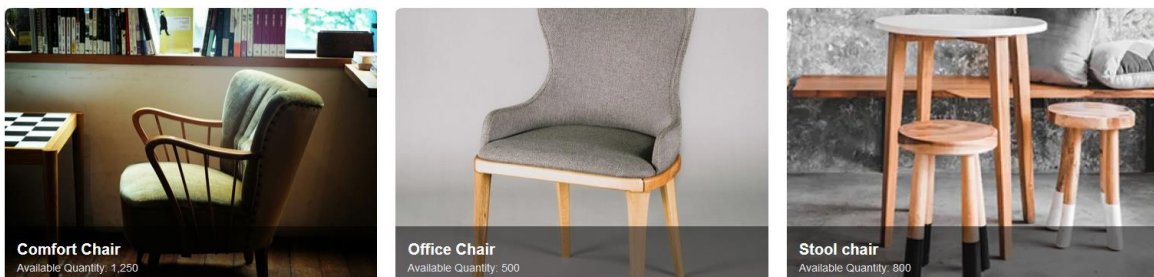
Render product data dynamically in a grid layout.

* Include fields:-

Product Name , Price , Image , Stock Status .

Pink Chair
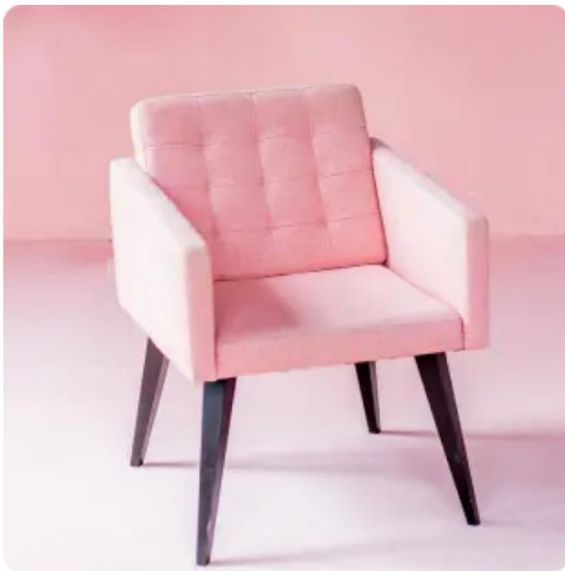$30

White Chair
$20 $30

Orange Chair
$20 $25

Library Stool
$30

Top Category

Comfort Chair
Available Quantity: 1,250

Office Chair
Available Quantity: 500

Stool chair
Available Quantity: 800

Managed Through Sanity
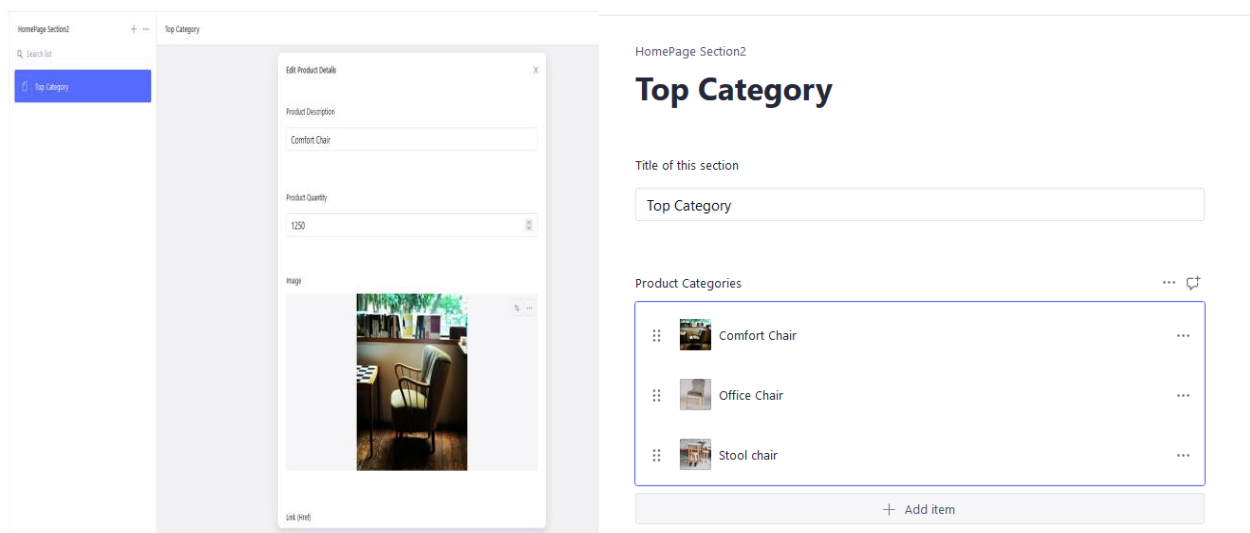
Product Detail Component:

Individual Product Detail page with:

Image, Name, Description, price, add to cart button

Library Stool Chair

$20.00 USD

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🛒 Add To Cart

```
const ProductCarousel: React.FC = () => {
  const [featuredProduct, setFeaturedProduct] = useState<FeaturedProduct | null>(null);
  const [featuredProducts, setFeaturedProducts] = useState<FeaturedProductItem[]>([]);
  const { toast } = useToast(); // Initialize the toast function here

  useEffect(() => {
    const fetchProducts = async () => {
      try {
        // Fetching data from Sanity
        const fetchedData = await client.fetch(
          `*[_type == "Singleproductpage"][0]{
            featuredProduct {
              name,
              price,
              description,
              image {
                asset->{
                  url
                }
              }
            },
            featuredProducts[] {
              name,
              price,
              image {
                asset->{
                  url
                },
              },
              altText
            }
          }`
        );

        setFeaturedProduct(fetchedData.featuredProduct);
        setFeaturedProducts(fetchedData.featuredProducts);
      } catch (error) {
        console.error("Error fetching products:", error);
      }
    };

    fetchProducts();
  }, []);
```

Category Component:

- **dynamically fetched from the data source.**
- **filtering of products by selected categories.**

FEATURED PRODUCTS   View all
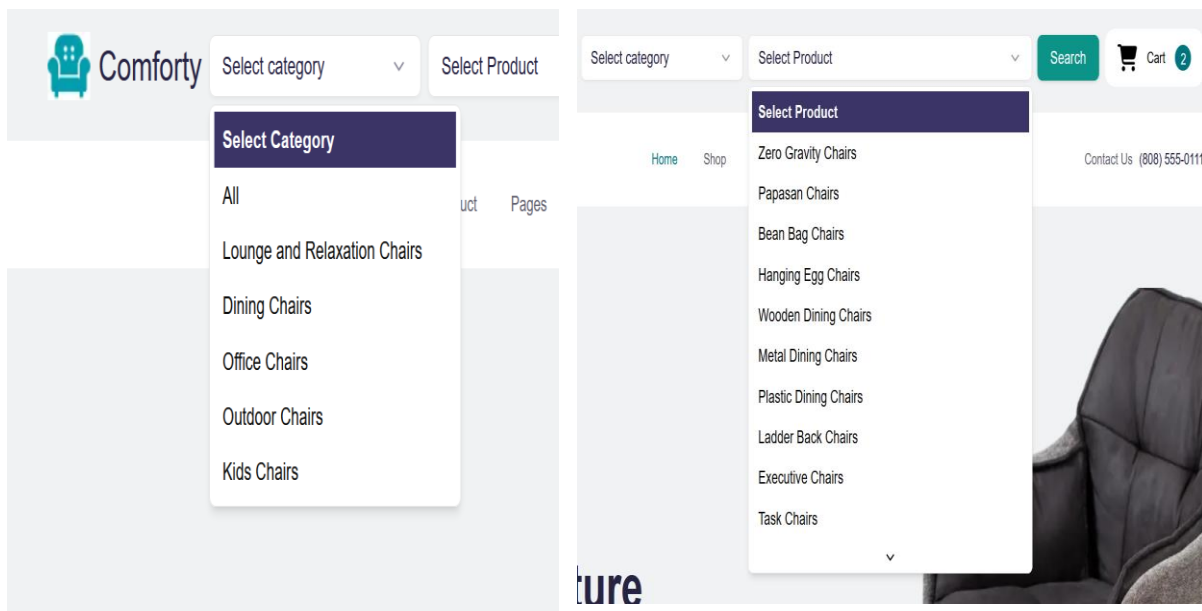

| Classic Chair | $89 | Elegant Chair | $99 | Luxury Chair | $120 | Cozy Chair | $75 | Modern Chair | $110 |

Search Bar:

Implement search functionality to filter products by name.

Select Category

All

Lounge and Relaxation Chairs

Dining Chairs

Office Chairs

Outdoor Chairs

Kids Chairs

Select Product

Zero Gravity Chairs

Papasan Chairs

Bean Bag Chairs

Hanging Egg Chairs

Wooden Dining Chairs

Metal Dining Chairs

Plastic Dining Chairs

Ladder Back Chairs

Executive Chairs

Task Chairs

Cart Component:

* added items.
* quantity.
* total price.

Bag
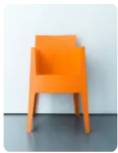
	Library Stool Chair Ashen Slate/Cobalt Bliss Size: L Quantity: 1	♥ 🗑	**MRP: $99**
	Library Stool Chair Ashen Slate/Cobalt Bliss Size: L Quantity: 1	♥ 🗑	**MRP: $99**

Summary

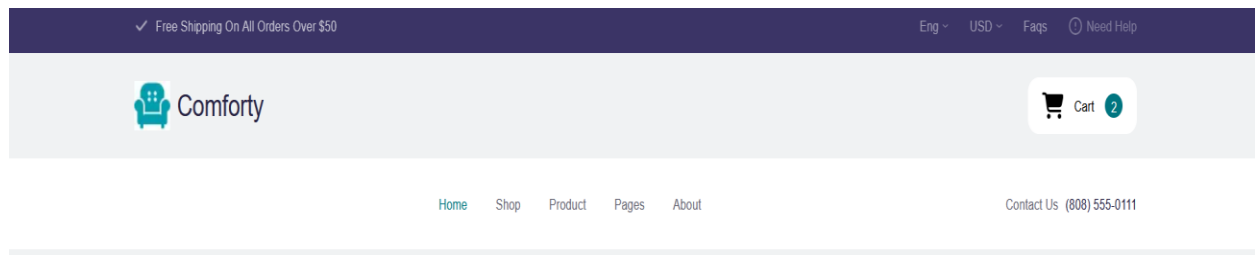|	
Subtotal	$198.00
Estimated Delivery & Handling	Free
Total	**$198.00**

Member Checkout

Footer and Header Components:

Header:

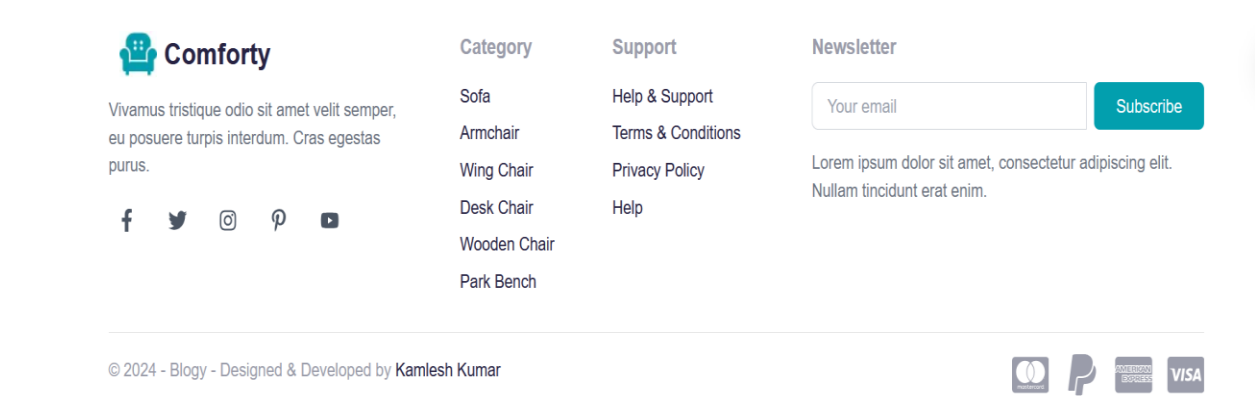## Containing menus:
Home, Shop, Product,
Page, About, Contact us,
FAQ.

Footer:

Containing useful options and links.

Contact   Us:

form with full validation

Get In Touch With Us

For More Information About Our Product & Services. Please Feel Free To Drop Us An Email. Our
Staff Always Be There To Help You Out. Do Not Hesitate!

Address
📍 236 5th SE Avenue,
New York NY10000,
United States

Phone
📞 Mobile: +(84) 546-6789
Hotline: +(84) 456-6789

Working Hours
🕐 Monday-Friday: 9:00 - 22:00
Saturday-Sunday: 9:00 - 21:00

Your Name
Kamlesh kumar

Email Address
ABC@def.com
Required

Subject
This is optional

Message
Hi! I'd like to ask about
Required

Submit

Code:

```
<div className={Styles.rightdiv}>
    <Form {...form}>
        <form
            onSubmit={form.handleSubmit(onSubmit)}
            className="space-y-8"
        >
            <div className={Styles.labinput}>

                <FormField
                    control={form.control}
                    name="YourName"
                    render={({ field }) => (
                        <FormItem>
                            <FormLabel className="text-base font-semibold mb-4"

                            >Your Name</FormLabel>
                            <FormControl>
                                <Input className="w-full p-2.5 border border-gray-300 rounded-md text-sm
mb-4"

                                    placeholder="Abc" {...field} />
                            </FormControl>
                            <FormMessage />
                        </FormItem>
                    )}
                />

            </div>
            <div className={Styles.labinput}>
                <FormField
                    control={form.control}
                    name= "Email"
                    render={({ field }) => (
                        <FormItem>
                            <FormLabel className="text-base font-semibold mb-4"
                            >Email Address</FormLabel>
                            <FormControl>
                                <Input className="w-full p-2.5 border border-gray-300 rounded-md text-sm
mb-4"

                                    placeholder="ABC@def.com" {...field} />
                            </FormControl>
                            <FormMessage />
                        </FormItem>
                    )}
                />

            </div>
            <div className={Styles.labinput}>
                <FormField
                    control={form.control}
                    name= "Subject"
                    render={({ field }) => (
                        <FormItem>
                            <FormLabel className="text-base font-semibold mb-4"
                            >Subject</FormLabel>
                            <FormControl>
                                <Input className="w-full p-2.5 border border-gray-300 rounded-md text-sm
mb-4"

                                    placeholder="This is optional" {...field} />
                            </FormControl>
                            <FormMessage />
                        </FormItem>
                    )}
                />

            </div>
            <div className={Styles.labinput}>
                <FormField
                    control={form.control}
                    name= "Message"
                    render={({ field }) => (
                        <FormItem>
                            <FormLabel className="text-base font-semibold mb-4"
                            >Message</FormLabel>
                            <FormControl>
                                <Input className="w-full p-2.5 border border-gray-300 rounded-md text-sm mb-4
```

Self Validation:

- ✓ **FrontEnd Component Development.**
- ✓ **Styling and Responsiveness.**
- ✓ **Code Quality.**

- ✓ **Documentation & Submission.**