Day_4

Dynamic Frontend Components - Comforty

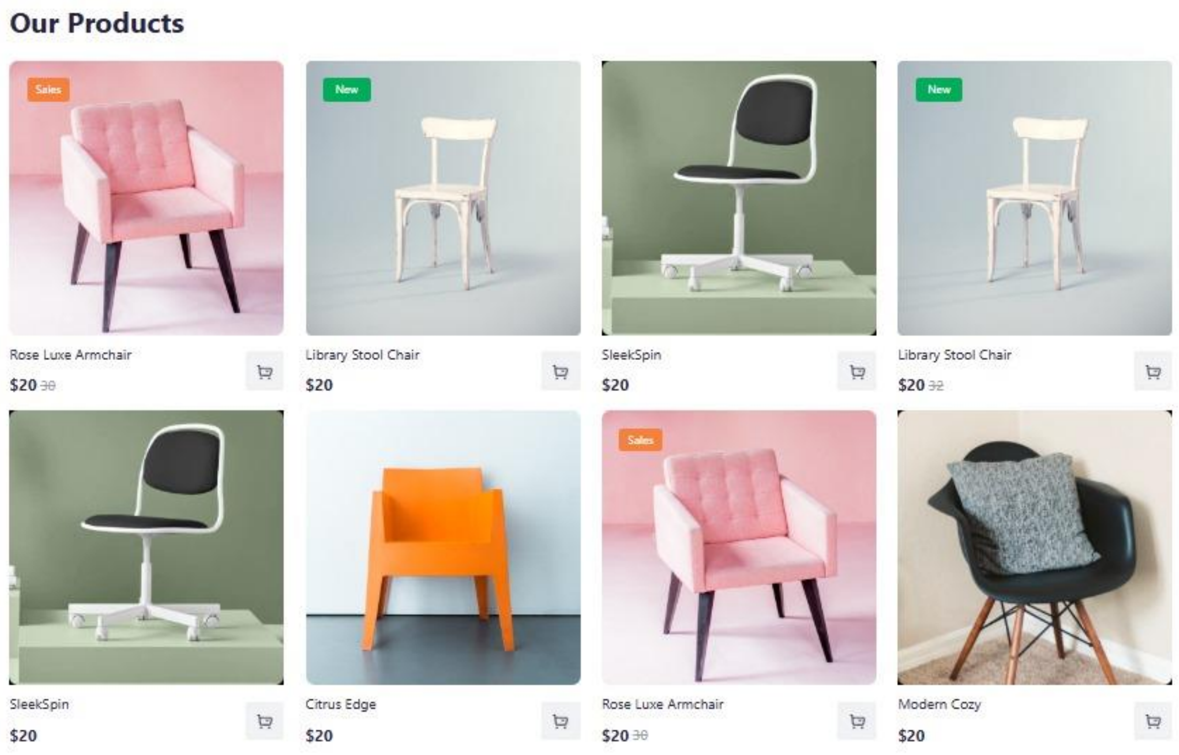
Table Of Contents

With Functionality

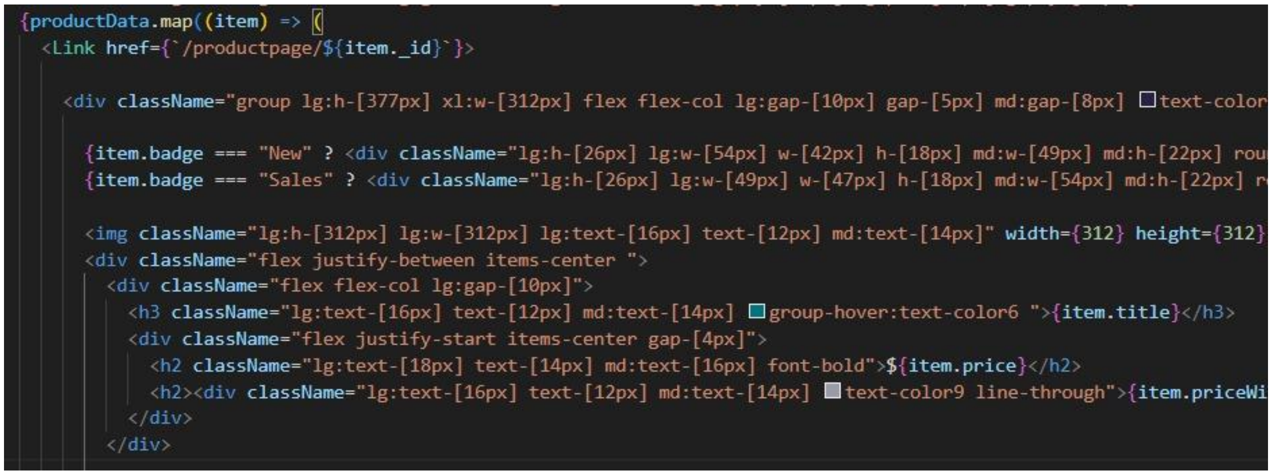
1. Product Listing Component

Purpose: This Product dynamically displays a grid of products fetched from CMS.

Frontend:



Code Snippet:

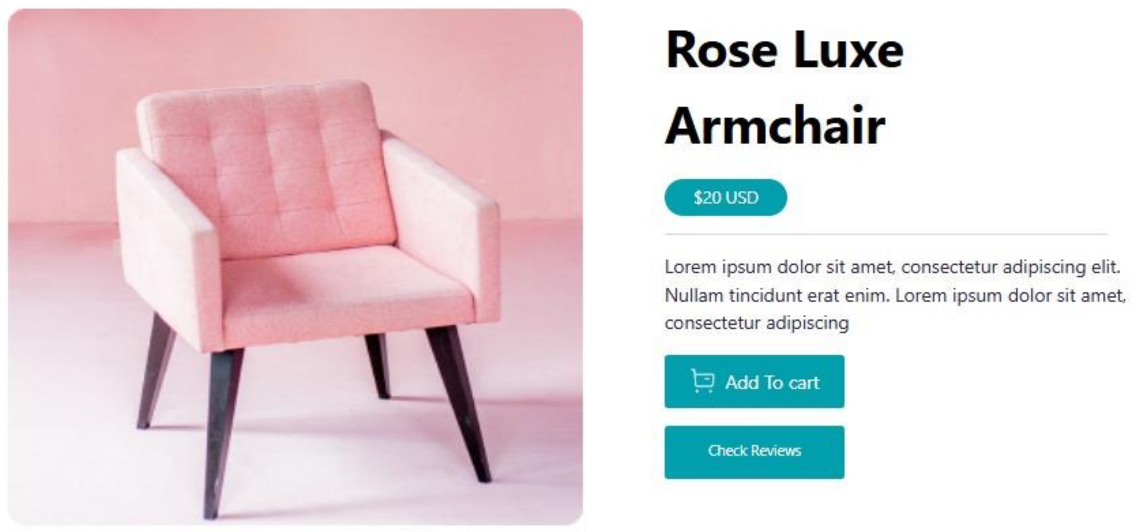


```
{productData.map((item) => (
  <Link href={`/productpage/${item._id}`}>

    <div className="group lg:h-[377px] xl:w-[312px] flex flex-col lg:gap-[10px] gap-[5px] md:gap-[8px] text-color

      {item.badge === "New" ? <div className="lg:h-[26px] lg:w-[54px] w-[42px] h-[18px] md:w-[49px] md:h-[22px] rou
      {item.badge === "Sales" ? <div className="lg:h-[26px] lg:w-[49px] w-[47px] h-[18px] md:w-[54px] md:h-[22px] r

      <img className="lg:h-[312px] lg:w-[312px] lg:text-[16px] text-[12px] md:text-[14px]" width={312} height={312}
      <div className="flex justify-between items-center ">
        <div className="flex flex-col lg:gap-[10px]">
          <h3 className="lg:text-[16px] text-[12px] md:text-[14px] group-hover:text-color6 ">{item.title}</h3>
          <div className="flex justify-start items-center gap-[4px]">
            <h2 className="lg:text-[18px] text-[14px] md:text-[16px] font-bold">${item.price}</h2>
            <h2><div className="lg:text-[16px] text-[12px] md:text-[14px] text-color9 line-through">{item.priceWi
          </div>
        </div>
```

2. Product Detail Component

Purpose: This component shows the detailed information of a specific product. It uses dynamic routing for product-specific pages.

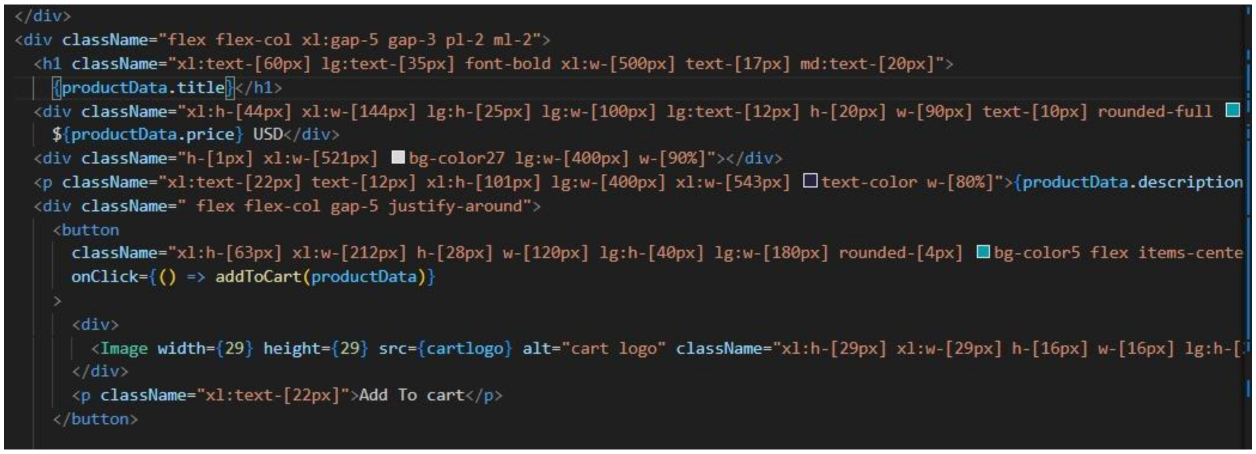
Frontend:



Rose Luxe Armchair

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam tincidunt erat enim. Lorem ipsum dolor sit amet, consectetur adipiscing

Code Snippet:

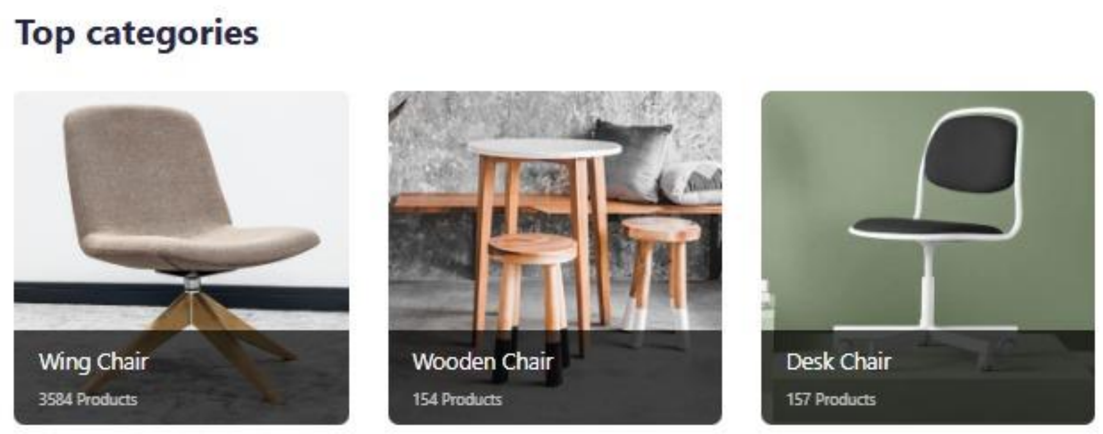


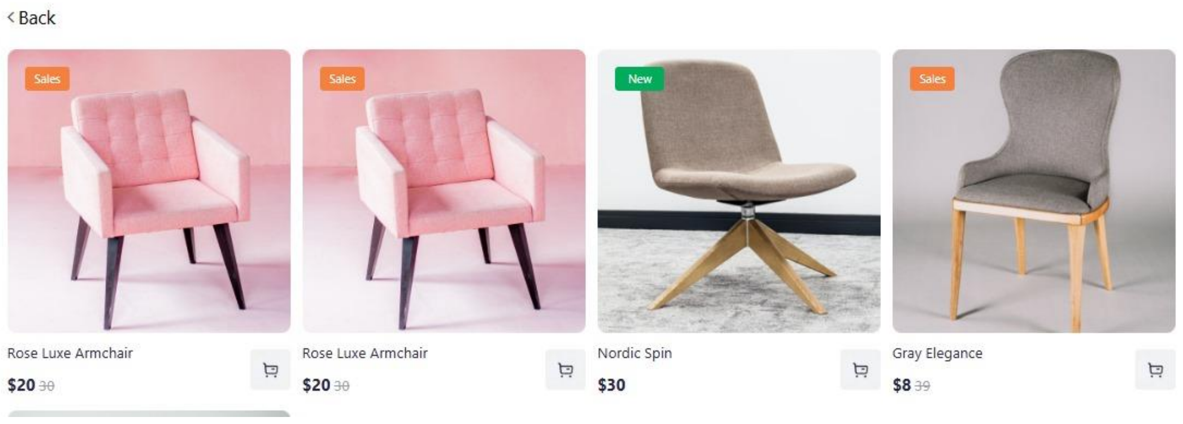
```
</div>
<div className="flex flex-col xl:gap-5 gap-3 pl-2 ml-2">
  <h1 className="xl:text-[60px] lg:text-[35px] font-bold xl:w-[500px] text-[17px] md:text-[20px]">
    {productData.title}</h1>
  <div className="xl:h-[44px] xl:w-[144px] lg:h-[25px] lg:w-[100px] lg:text-[12px] h-[20px] w-[90px] text-[10px] rounded-full 
    ${productData.price} USD</div>
  <div className="h-[1px] xl:w-[521px] bg-color27 lg:w-[400px] w-[90%]"></div>
  <p className="xl:text-[22px] text-[12px] xl:h-[101px] lg:w-[400px] xl:w-[543px] text-color w-[80%]">{productData.description
  <div className=" flex flex-col gap-5 justify-around">
    <button
      className="xl:h-[63px] xl:w-[212px] h-[28px] w-[120px] lg:h-[40px] lg:w-[180px] rounded-[4px] bg-color5 flex items-cente
      onClick={() => addToCart(productData)}
    >
      <div>
        <Image width={29} height={29} src={cartlogo} alt="cart logo" className="xl:h-[29px] xl:w-[29px] h-[16px] w-[16px] lg:h-[
      </div>
      <p className="xl:text-[22px]">Add To cart</p>
    </button>
```

3. Category Component

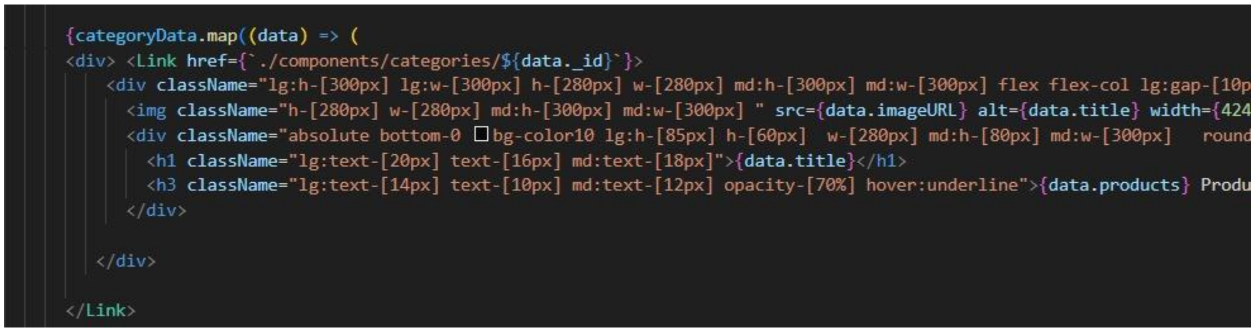
Purpose: Enables users to browse and filter products by dynamically fetched categories.

Frontend:





Code Snippet:

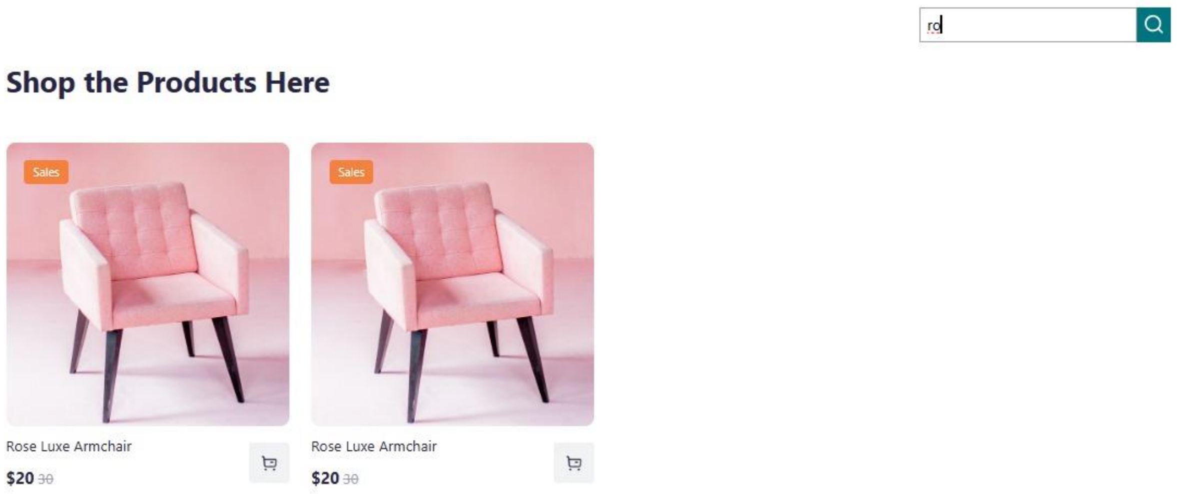


```
{categoryData.map((data) => (
<div> <Link href={`./components/categories/${data._id}`}>
    <div className="lg:h-[300px] lg:w-[300px] h-[280px] w-[280px] md:h-[300px] md:w-[300px] flex flex-col lg:gap-[10p
      <img className="h-[280px] w-[280px] md:h-[300px] md:w-[300px] " src={data.imageURL} alt={data.title} width={424
      <div className="absolute bottom-0 bg-color10 lg:h-[85px] h-[60px]  w-[280px] md:h-[80px] md:w-[300px]   round
        <h1 className="lg:text-[20px] text-[16px] md:text-[18px]">{data.title}</h1>
        <h3 className="lg:text-[14px] text-[10px] md:text-[12px] opacity-[70%] hover:underline">{data.products} Produ
      </div>

   </div>

</Link>
```

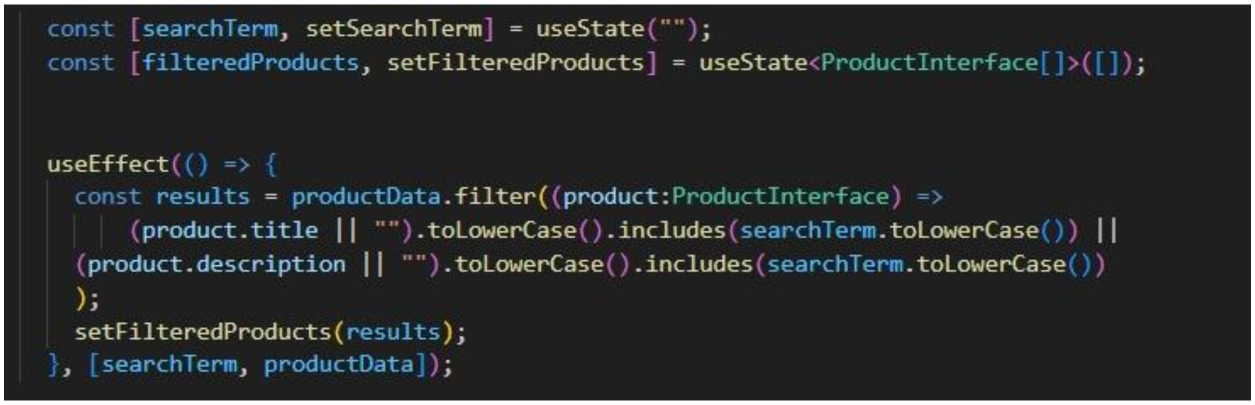
4. Search Bar

Purpose: Allows users to filter products by name or description for quick access.

Frontend:



Code Snippet:

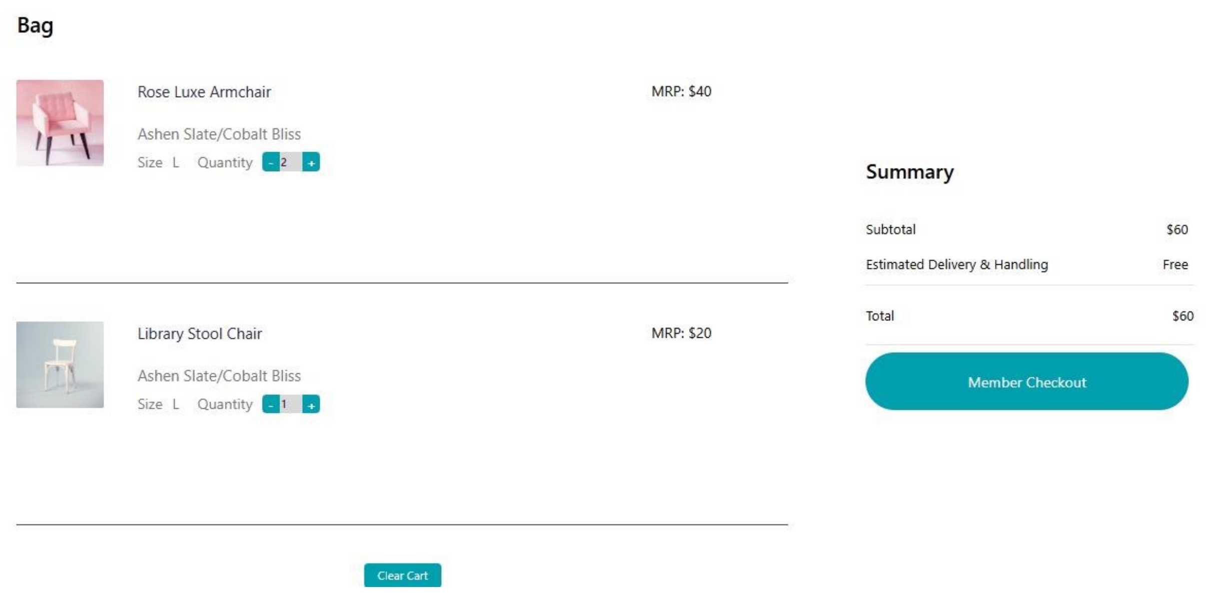


```
const [searchTerm, setSearchTerm] = useState("");
const [filteredProducts, setFilteredProducts] = useState<ProductInterface[]>([]);


useEffect(() => {
  const results = productData.filter((product:ProductInterface) =>
      (product.title || "").toLowerCase().includes(searchTerm.toLowerCase()) ||
  (product.description || "").toLowerCase().includes(searchTerm.toLowerCase())
  );
  setFilteredProducts(results);
}, [searchTerm, productData]);
```

5. Cart Component

Purpose: Tracks and displays selected products, quantities, and the total price.

Frontend:



Bag

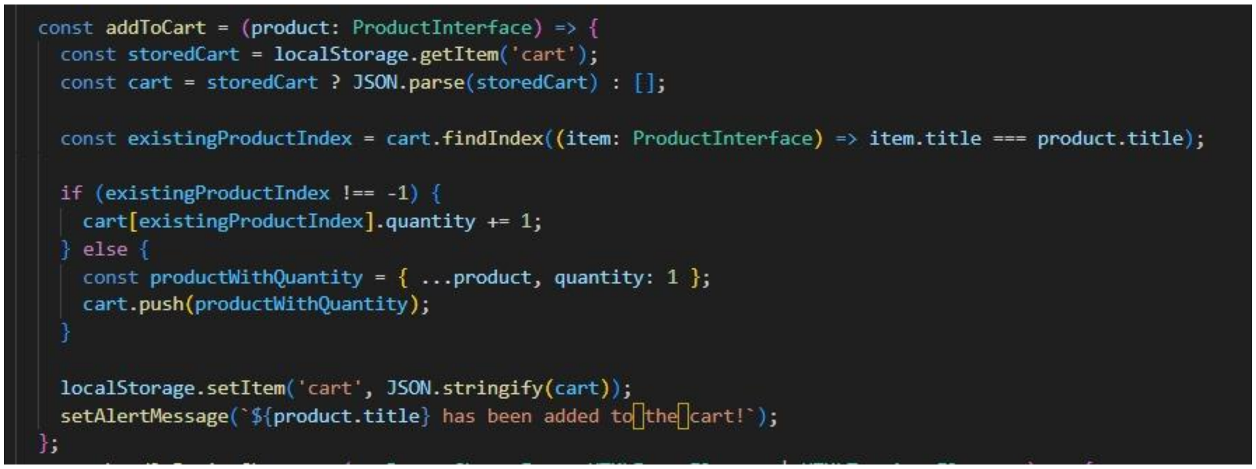
Rose Luxe Armchair MRP: $40
Ashen Slate/Cobalt Bliss
Size L Quantity - 2 +

Library Stool Chair MRP: $20
Ashen Slate/Cobalt Bliss
Size L Quantity - 1 +

Summary

Subtotal	$60
Estimated Delivery & Handling	Free
Total	$60

Code Snippet:

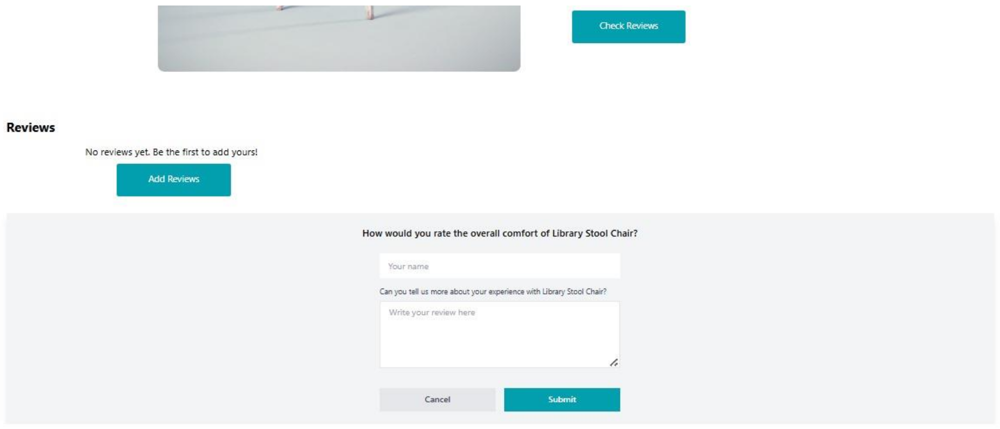


```
const addToCart = (product: ProductInterface) => {
  const storedCart = localStorage.getItem('cart');
  const cart = storedCart ? JSON.parse(storedCart) : [];

  const existingProductIndex = cart.findIndex((item: ProductInterface) => item.title === product.title);

  if (existingProductIndex !== -1) {
    cart[existingProductIndex].quantity += 1;
  } else {
    const productWithQuantity = { ...product, quantity: 1 };
    cart.push(productWithQuantity);
  }

  localStorage.setItem('cart', JSON.stringify(cart));
  setAlertMessage(`${product.title} has been added to the cart!`);
};
```

6. Reviews Component

Purpose: Allows users to submit and view product reviews.

Frontend:



Check Reviews

Reviews

No reviews yet. Be the first to add yours!

Add Reviews

How would you rate the overall comfort of Library Stool Chair?

Your name

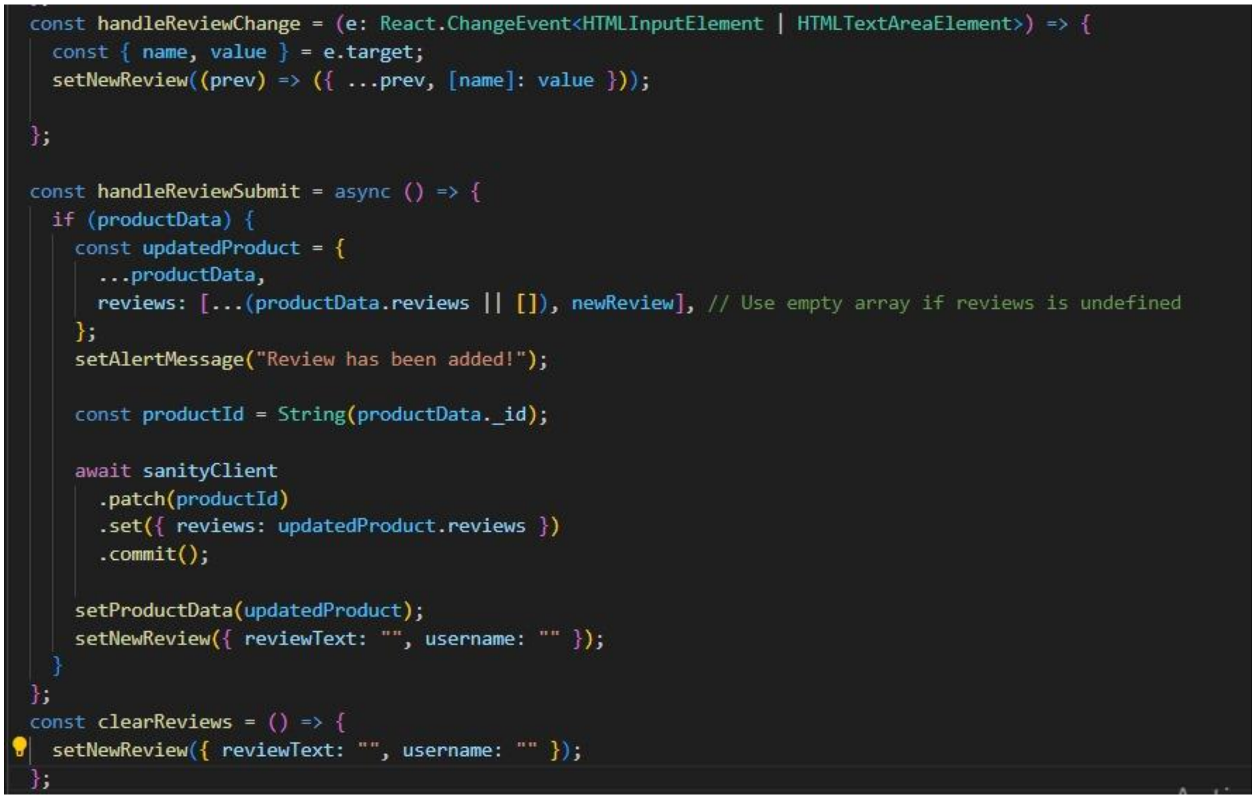
Can you tell us more about your experience with Library Stool Chair?

Write your review here

Cancel

Submit

Code Snippet:

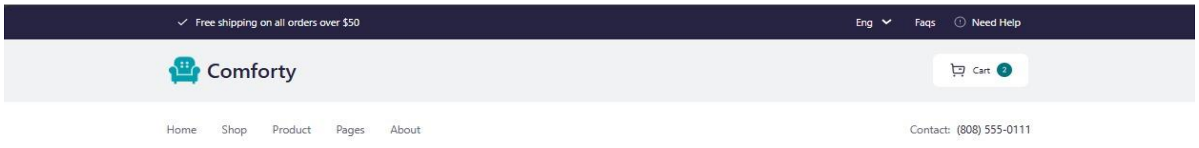


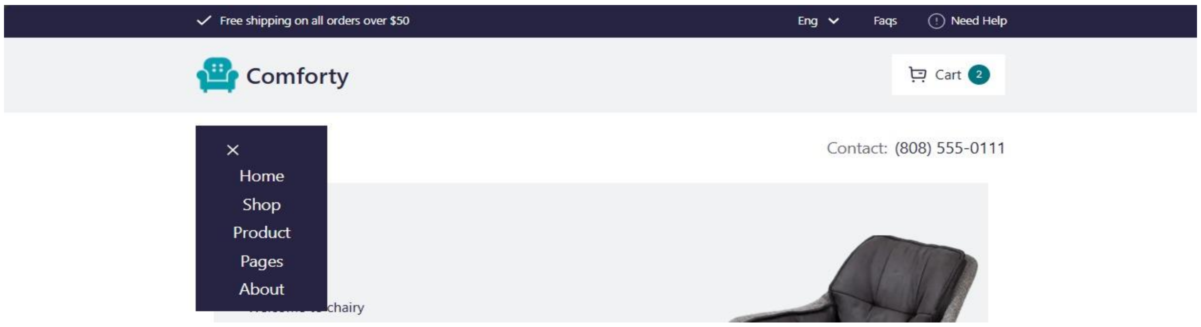
```
const handleReviewChange = (e: React.ChangeEvent<HTMLInputElement | HTMLTextAreaElement>) => {
  const { name, value } = e.target;
  setNewReview((prev) => ({ ...prev, [name]: value }));

};

const handleReviewSubmit = async () => {
  if (productData) {
    const updatedProduct = {
      ...productData,
      reviews: [...(productData.reviews || []), newReview], // Use empty array if reviews is undefined
    };
    setAlertMessage("Review has been added!");

    const productId = String(productData._id);

    await sanityClient
      .patch(productId)
      .set({ reviews: updatedProduct.reviews })
      .commit();

    setProductData(updatedProduct);
    setNewReview({ reviewText: "", username: "" });
  }
};
const clearReviews = () => {
  setNewReview({ reviewText: "", username: "" });
};
```

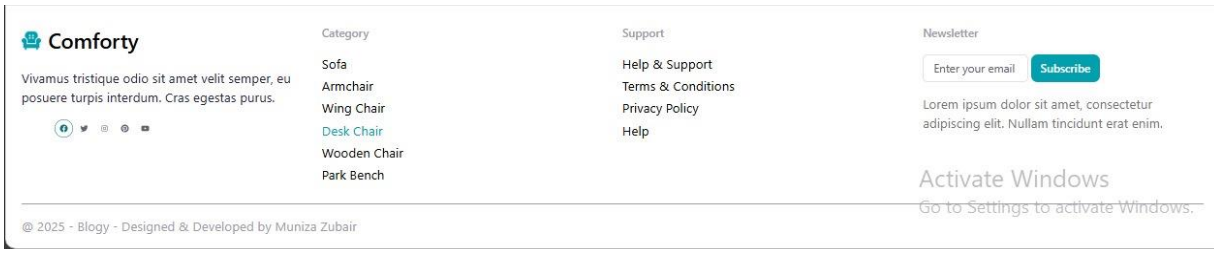
7. Footer and Header Component

Purpose: Ensures consistent navigation and branding while linking key pages.

Frontend:





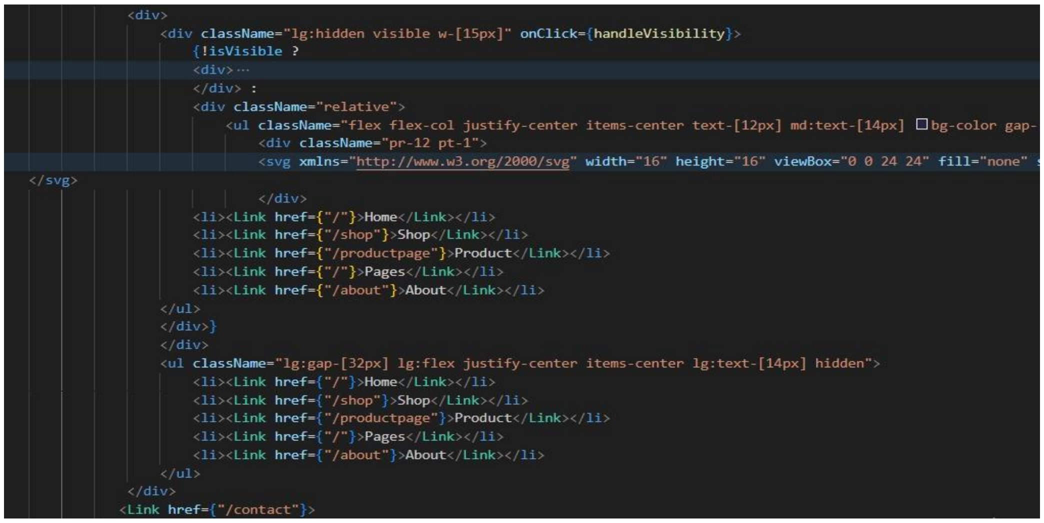


Vivamus tristique odio sit amet velit semper, eu posuere turpis interdum. Cras egestas purus.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam tincidunt erat enim.

@ 2025 - Blogy - Designed & Developed by Muniza Zubair

Code Snippet:

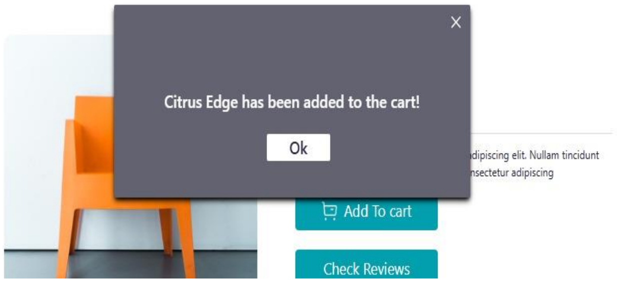


```
                <div>
                    <div className="lg:hidden visible w-[15px]" onClick={handleVisibility}>
                        {!isVisible ?
                        <div>···
                        </div> :
                        <div className="relative">
                            <ul className="flex flex-col justify-center items-center text-[12px] md:text-[14px] □bg-color gap-
                                <div className="pr-12 pt-1">
                                <svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" viewBox="0 0 24 24" fill="none"
</svg>
                                </div>
                        <li><Link href={"/"}>Home</Link></li>
                        <li><Link href={"/shop"}>Shop</Link></li>
                        <li><Link href={"/productpage"}>Product</Link></li>
                        <li><Link href={"/"}>Pages</Link></li>
                        <li><Link href={"/about"}>About</Link></li>
                    </ul>
                    </div>}
                    </div>
                    <ul className="lg:gap-[32px] lg:flex justify-center items-center lg:text-[14px] hidden">
                        <li><Link href={"/"}>Home</Link></li>
                        <li><Link href={"/shop"}>Shop</Link></li>
                        <li><Link href={"/productpage"}>Product</Link></li>
                        <li><Link href={"/"}>Pages</Link></li>
                        <li><Link href={"/about"}>About</Link></li>
                    </ul>
                </div>
               <Link href={"/contact"}>
```

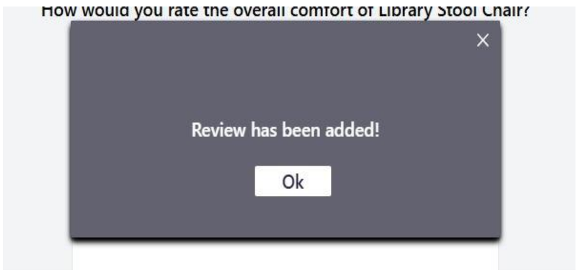
8. Notifications Component

Purpose: Displays real-time alerts for user actions, errors, or success messages.

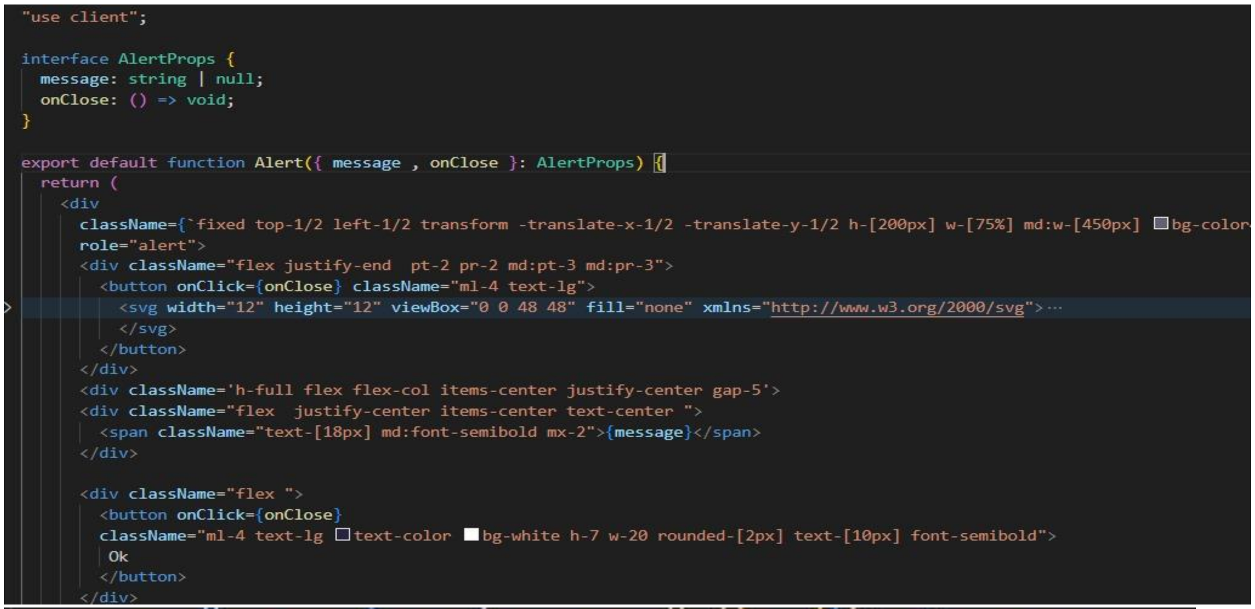
Frontend:



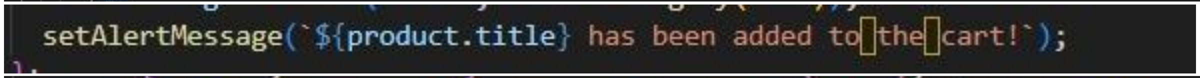
:


How would you rate the overall comfort of Library Stool Chair?
Review has been added!
Ok

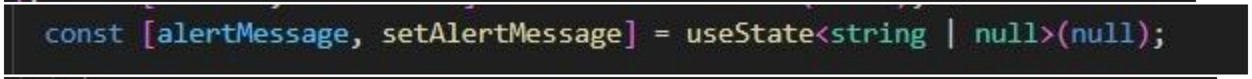
Code Snippet:



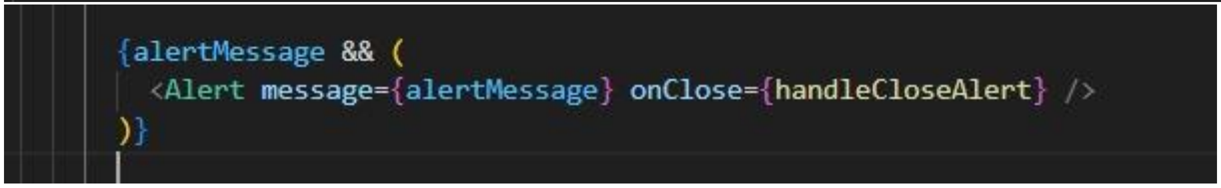
```
"use client";

interface AlertProps {
  message: string | null;
  onClose: () => void;
}

export default function Alert({ message , onClose }: AlertProps) {
  return (
    <div
      className={`fixed top-1/2 left-1/2 transform -translate-x-1/2 -translate-y-1/2 h-[200px] w-[75%] md:w-[450px] □bg-color
      role="alert">
      <div className="flex justify-end  pt-2 pr-2 md:pt-3 md:pr-3">
        <button onClick={onClose} className="ml-4 text-lg">
          <svg width="12" height="12" viewBox="0 0 48 48" fill="none" xmlns="http://www.w3.org/2000/svg">···
          </svg>
        </button>
      </div>
      <div className='h-full flex flex-col items-center justify-center gap-5'>
      <div className="flex  justify-center items-center text-center ">
        <span className="text-[18px] md:font-semibold mx-2">{message}</span>
      </div>

      <div className="flex ">
        <button onClick={onClose}
        className="ml-4 text-lg □text-color ■bg-white h-7 w-20 rounded-[2px] text-[10px] font-semibold">
         Ok
        </button>
      </div>
```



```
  setAlertMessage(`${product.title} has been added to the cart!`);
```



```
  const [alertMessage, setAlertMessage] = useState<string | null>(null);
```

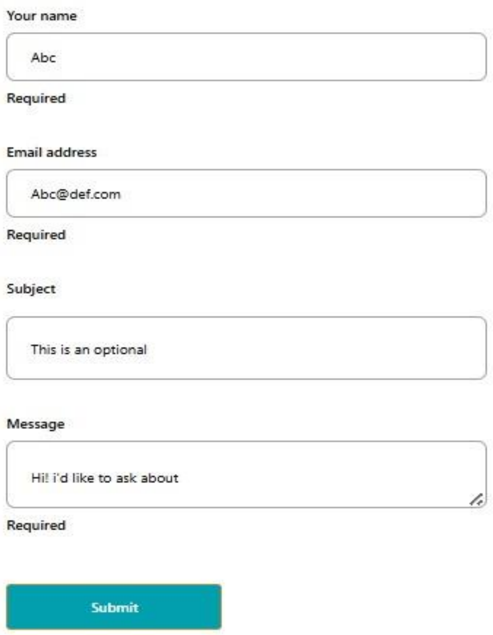


```
      {alertMessage && (
        <Alert message={alertMessage} onClose={handleCloseAlert} />
      )}
```

9. Contact Form with Validation

Purpose: To ensure accurate, complete, and valid user input while enhancing the form's reliability and user experience.

Frontend:


Your name

Abc

Required

Email address

Abc@def.com

Required

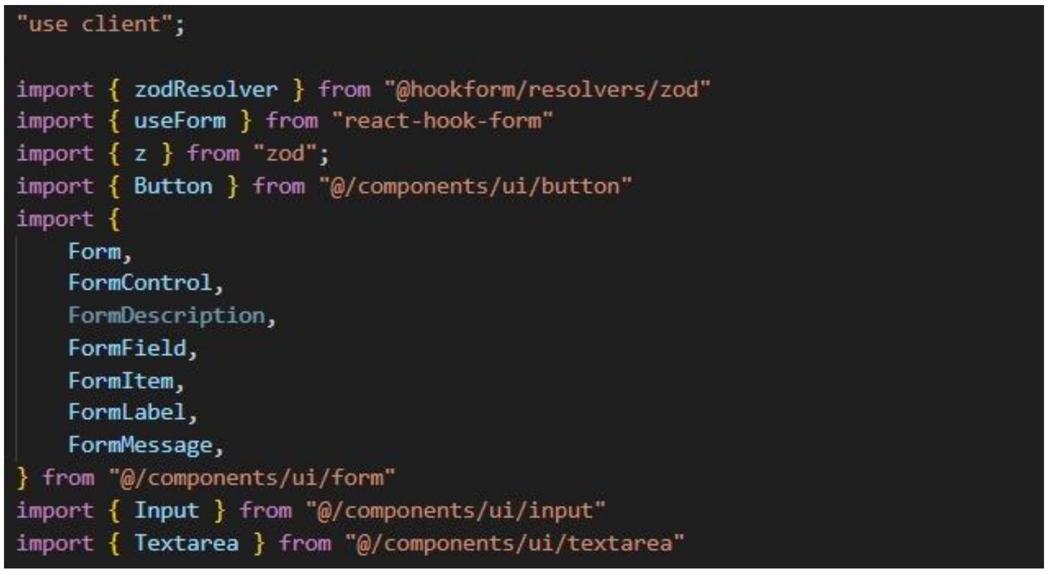
Subject

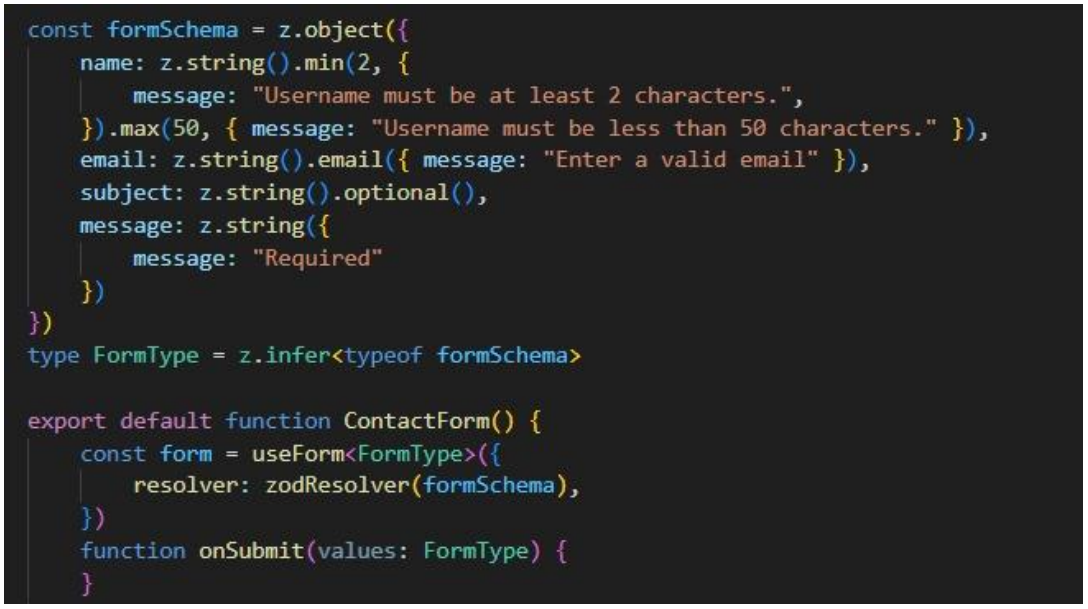
This is an optional

Message

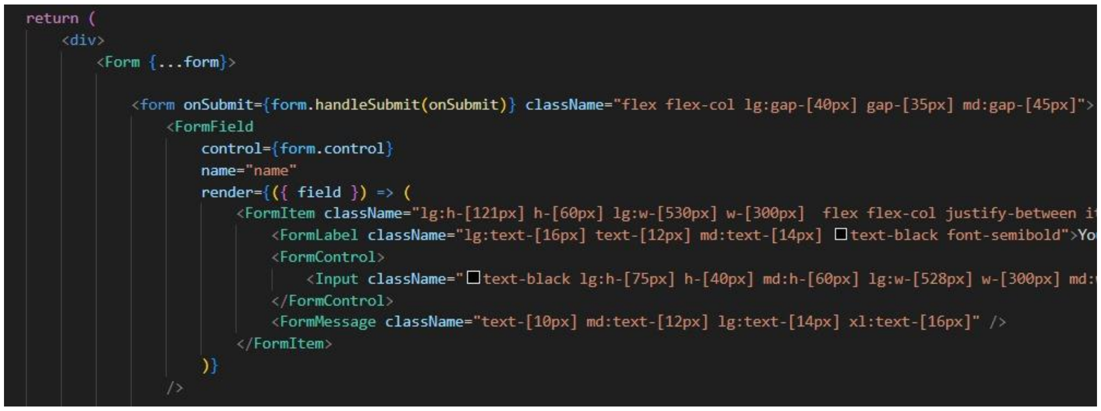
Hi! i'd like to ask about

Required


```
"use client";

import { zodResolver } from "@hookform/resolvers/zod"
import { useForm } from "react-hook-form"
import { z } from "zod";
import { Button } from "@/components/ui/button"
import {
    Form,
    FormControl,
    FormDescription,
    FormField,
    FormItem,
    FormLabel,
    FormMessage,
} from "@/components/ui/form"
import { Input } from "@/components/ui/input"
import { Textarea } from "@/components/ui/textarea"
```



```
const formSchema = z.object({
    name: z.string().min(2, {
        message: "Username must be at least 2 characters.",
    }).max(50, { message: "Username must be less than 50 characters." }),
    email: z.string().email({ message: "Enter a valid email" }),
    subject: z.string().optional(),
    message: z.string({
        message: "Required"
    })
})
type FormType = z.infer<typeof formSchema>

export default function ContactForm() {
    const form = useForm<FormType>({
        resolver: zodResolver(formSchema),
    })
    function onSubmit(values: FormType) {
    }
```

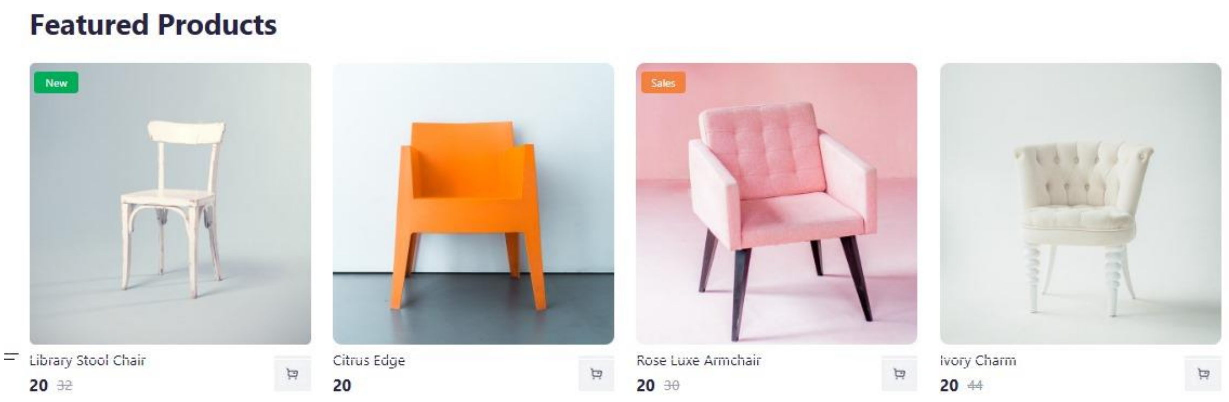


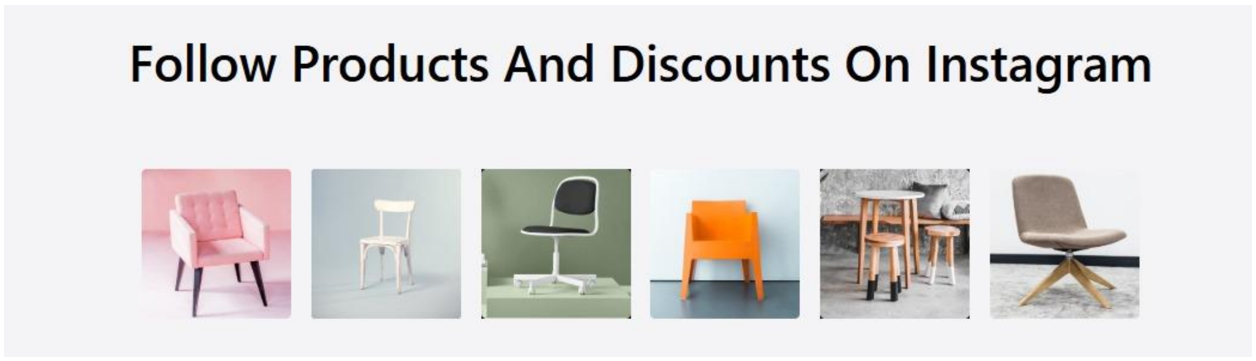
```
return (
    <div>
        <Form {...form}>

            <form onSubmit={form.handleSubmit(onSubmit)} className="flex flex-col lg:gap-[40px] gap-[35px] md:gap-[45px]">
                <FormField
                    control={form.control}
                    name="name"
                    render={({ field }) => (
                        <FormItem className="lg:h-[121px] h-[60px] lg:w-[530px] w-[300px]  flex flex-col justify-between i
                            <FormLabel className="lg:text-[16px] text-[12px] md:text-[14px] ■text-black font-semibold">Yo
                            <FormControl>
                                <Input className="■text-black lg:h-[75px] h-[40px] md:h-[60px] lg:w-[528px] w-[300px] md:
                            </FormControl>
                            <FormMessage className="text-[10px] md:text-[12px] lg:text-[14px] xl:text-[16px]" />
                        </FormItem>
                    )}
                />
```

10. Pagination Component

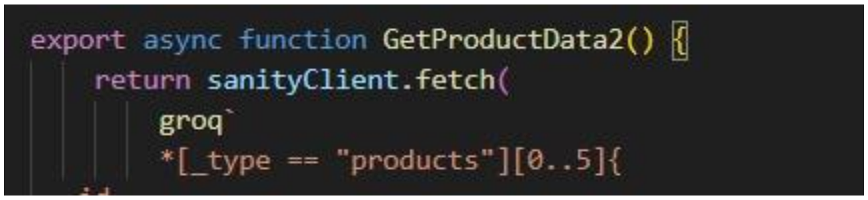
Purpose: Breaks large product lists into smaller, manageable pages with GROQ query.

Frontend:

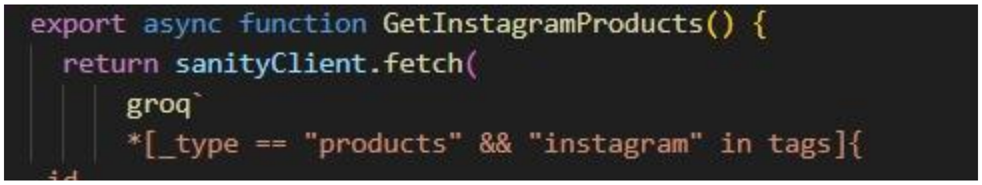




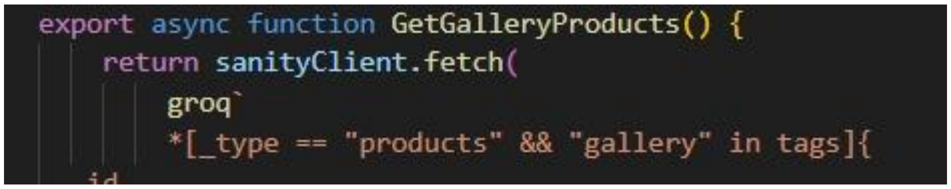
Code Snippet:



```
export async function GetProductData2() {
    return sanityClient.fetch(
        groq`
        *[_type == "products"][0..5]{
```



```
export async function GetInstagramProducts() {
  return sanityClient.fetch(
      groq`
      *[_type == "products" && "instagram" in tags]{
```



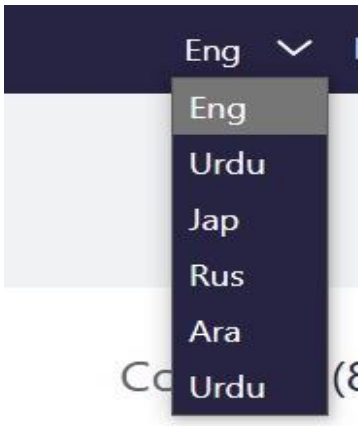
```
export async function GetGalleryProducts() {
    return sanityClient.fetch(
        groq`
        *[_type == "products" && "gallery" in tags]{
```

Non-Functional Components

11. MultiLanguage Support Dropdown

Purpose: Provides a language switcher for a multilingual marketplace experience.

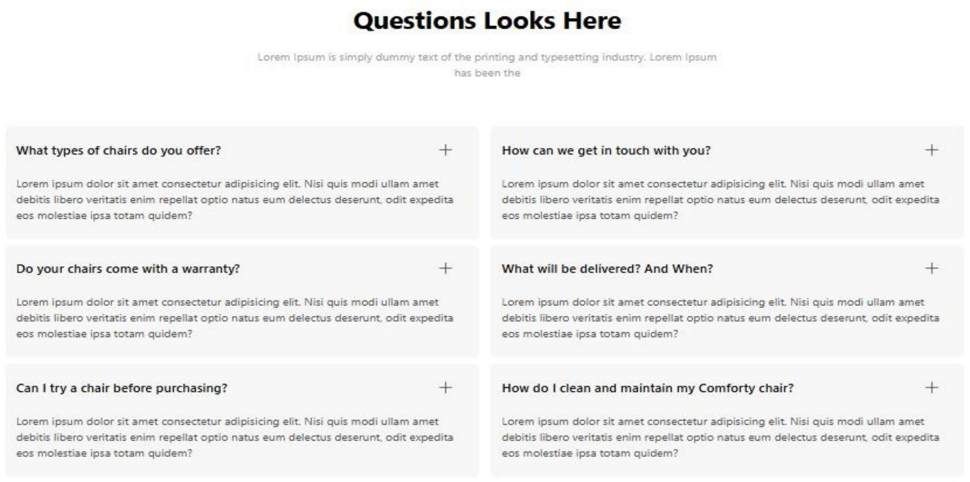
Frontend:



12. FAQ

Purpose: Offers a searchable FAQ section and support options for user assistance.

Frontend:



Questions Looks Here

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the

What types of chairs do you offer? +

Lorem ipsum dolor sit amet consectetur adipisicing elit. Nisi quis modi ullam amet debitis libero veritatis enim repellat optio natus eum delectus deserunt, odit expedita eos molestiae ipsa totam quidem?

How can we get in touch with you? +

Lorem ipsum dolor sit amet consectetur adipisicing elit. Nisi quis modi ullam amet debitis libero veritatis enim repellat optio natus eum delectus deserunt, odit expedita eos molestiae ipsa totam quidem?

Do your chairs come with a warranty? +

Lorem ipsum dolor sit amet consectetur adipisicing elit. Nisi quis modi ullam amet debitis libero veritatis enim repellat optio natus eum delectus deserunt, odit expedita eos molestiae ipsa totam quidem?

What will be delivered? And When? +

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Can I try a chair before purchasing? +

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How do I clean and maintain my Comforty chair? +

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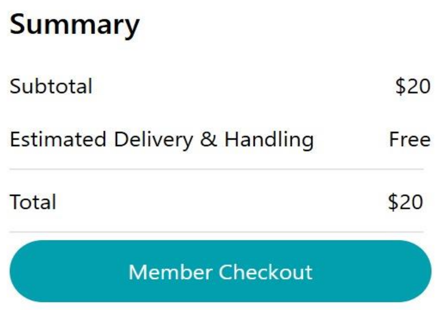
13. Checkout Flow

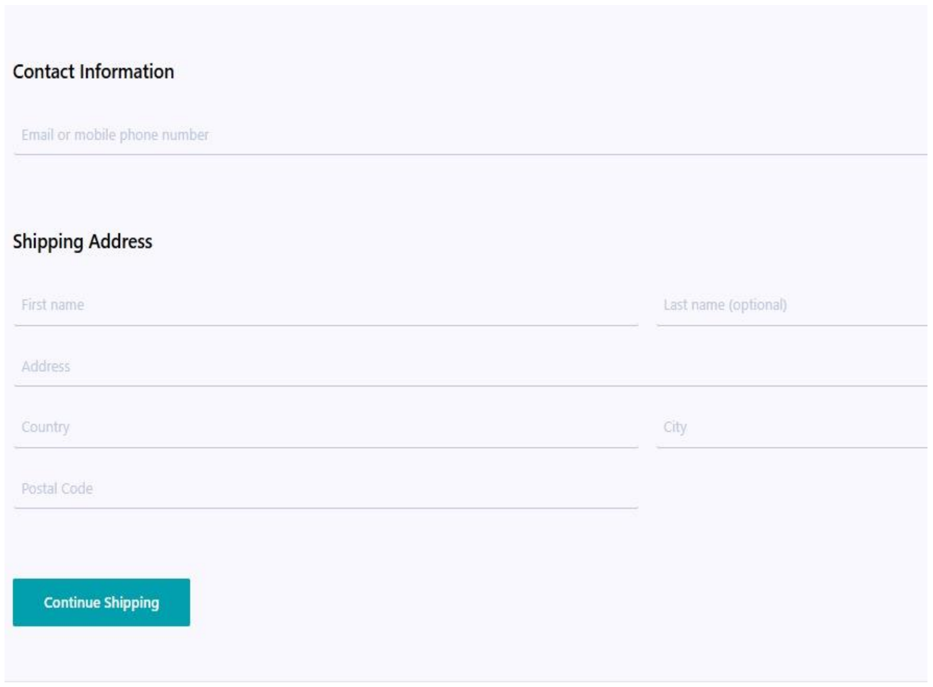
Purpose: Breaks large product lists into smaller, manageable pages with navigation controls.

Frontend:



Summary

Subtotal	$20
Estimated Delivery & Handling	Free
Total	$20



Contact Information

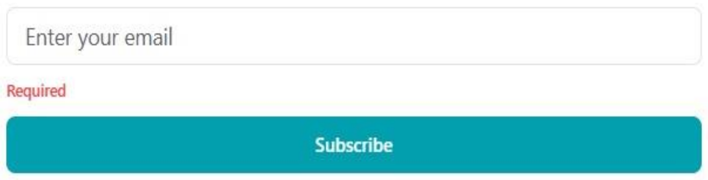
Shipping Address

Libraries Used

14. **React Hook**
15. **Zod Resolver**
16. **Shadcn/ui**

Purpose: React Hook Form, Zod Resolver, and ShadCN streamline form validation by providing efficient, modular, and type-safe solutions.

Frontend: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