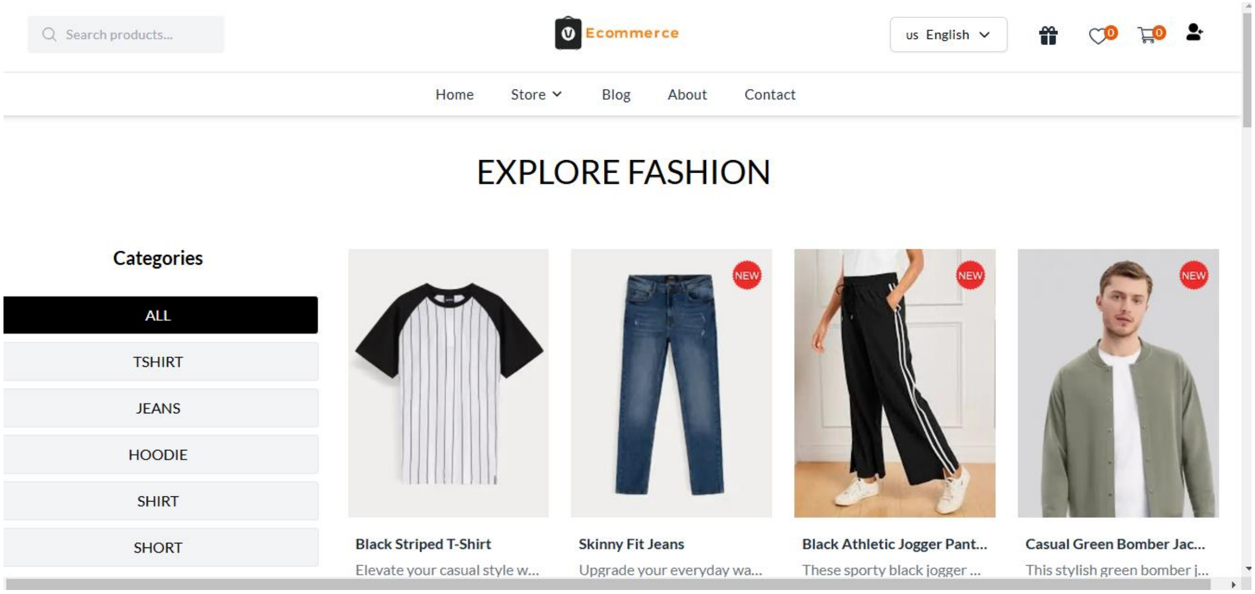
Dynamic Frontend Components

1. Functional Deliverables:

- The product listing page with dynamic data:



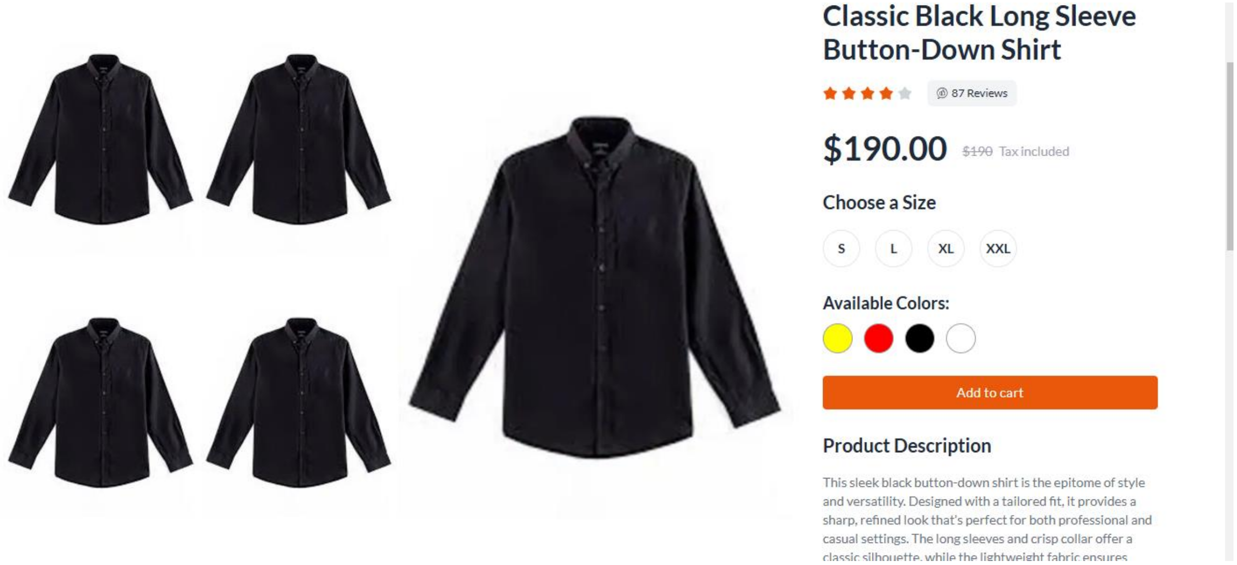
Black Striped T-Shirt
Elevate your casual style w...

Skinny Fit Jeans
Upgrade your everyday wa...

Black Athletic Jogger Pant...
These sporty black jogger ...

Casual Green Bomber Jac...
This stylish green bomber j...

- Individual product detail pages with accurate routing and data rendering.



Classic Black Long Sleeve Button-Down Shirt

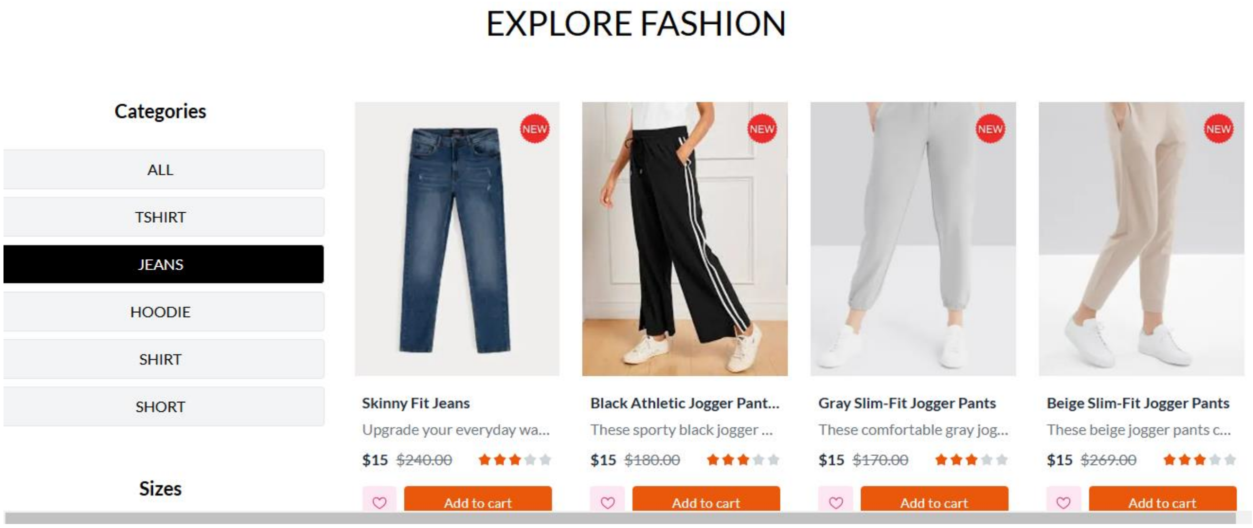
★★★★☆

$190.00 ~~$190~~ Tax included

Product Description

This sleek black button-down shirt is the epitome of style and versatility. Designed with a tailored fit, it provides a sharp, refined look that's perfect for both professional and casual settings. The long sleeves and crisp collar offer a classic silhouette, while the lightweight fabric ensures

- Working category filter:



EXPLORE FASHION

Categories

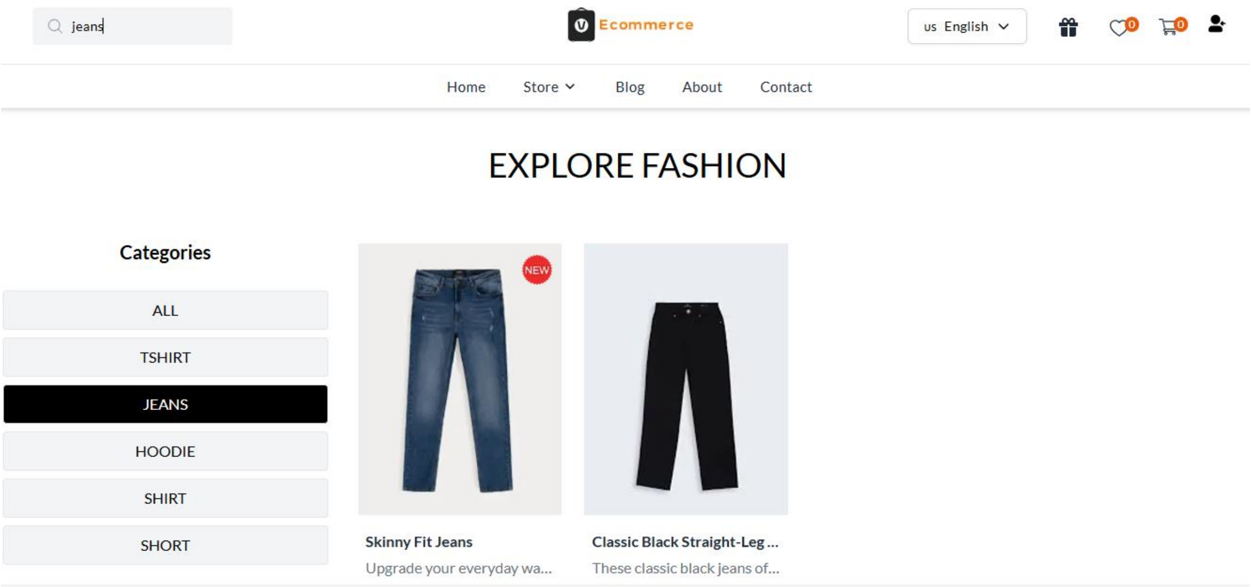
Skinny Fit Jeans
Upgrade your everyday wa...
$15 ~~$240.00~~

Black Athletic Jogger Pant...
These sporty black jogger ...
$15 ~~$180.00~~

Gray Slim-Fit Jogger Pants
These comfortable gray jog...
$15 ~~$170.00~~

Beige Slim-Fit Jogger Pants
These beige jogger pants c...
$15 ~~$269.00~~

- Working Search bar:



jeans

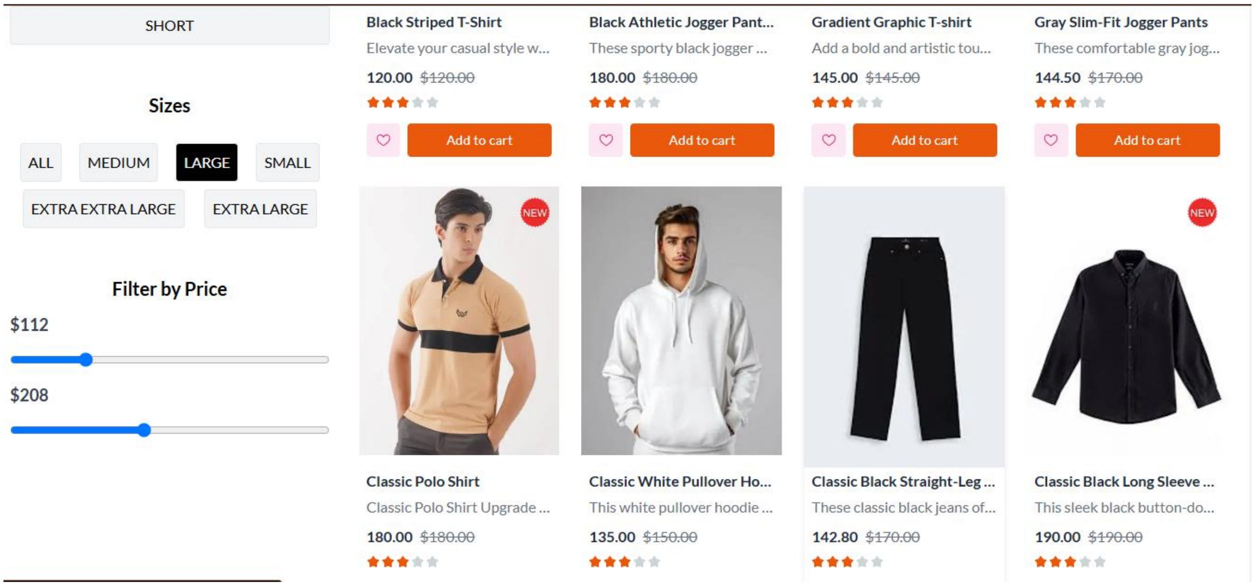
EXPLORE FASHION

Categories

Skinny Fit Jeans
Upgrade your everyday wa...

Classic Black Straight-Leg ...
These classic black jeans of...

- Working Size filter and Price range slider:



SHORT

Sizes

ALL | MEDIUM | LARGE | SMALL | EXTRA EXTRA LARGE | EXTRA LARGE

Filter by Price

$112

$208

Black Striped T-Shirt
Elevate your casual style w...
120.00 ~~$120.00~~
★★★☆☆

Black Athletic Jogger Pant...
These sporty black jogger ...
180.00 ~~$180.00~~
★★★☆☆

Gradient Graphic T-shirt
Add a bold and artistic tou...
145.00 ~~$145.00~~
★★★☆☆

Gray Slim-Fit Jogger Pants
These comfortable gray jog...
144.50 ~~$170.00~~
★★★☆☆

Classic Polo Shirt
Classic Polo Shirt Upgrade ...
180.00 ~~$180.00~~
★★★☆☆

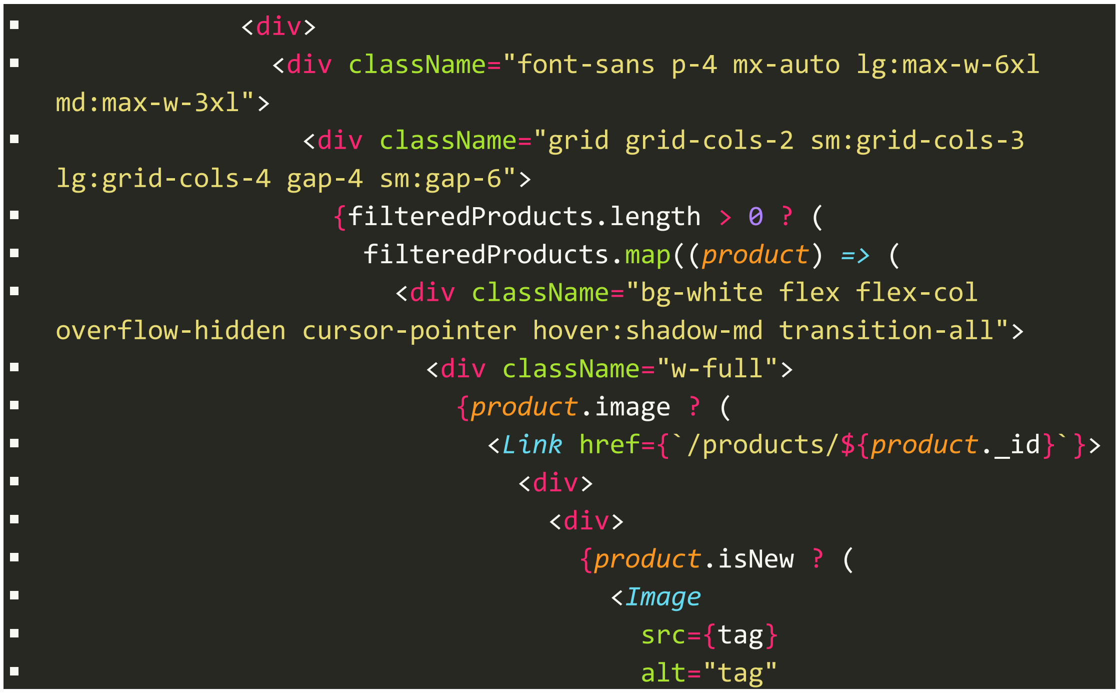
Classic White Pullover Ho...
This white pullover hoodie ...
135.00 ~~$150.00~~
★★★☆☆

Classic Black Straight-Leg ...
These classic black jeans of...
142.80 ~~$170.00~~
★★★☆☆

Classic Black Long Sleeve ...
This sleek black button-do...
190.00 ~~$190.00~~
★★★☆☆

2. Code Deliverables:

Code snippets for ProductCard



```
            <div>
              <div className="font-sans p-4 mx-auto lg:max-w-6xl md:max-w-3xl">
                <div className="grid grid-cols-2 sm:grid-cols-3 lg:grid-cols-4 gap-4 sm:gap-6">
                  {filteredProducts.length > 0 ? (
                    filteredProducts.map((product) => (
                      <div className="bg-white flex flex-col overflow-hidden cursor-pointer hover:shadow-md transition-all">
                        <div className="w-full">
                          {product.image ? (
                            <Link href={`/products/${product._id}`}>
                              <div>
                                <div>
                                  {product.isNew ? (
                                    <Image
                                      src={tag}
                                      alt="tag"
                                      width={40}
                                      height={40}
                                      className="absolute md:ml-[170px] ml-[80px] m-2 z-[100]"
                                    />
                                  ) : null}
                                </div>
                                <Image
                                  src={urlFor(product.image).width(400).url()}
                                  alt={product.name}
                                  width={400}
                                  height={300}
                                  className="w-full object-cover object-top aspect-[230/307] hover:scale-110 transition duration-3"
                                />
                              </div>
                            </Link>
                          ) : (
                            <p className="w-[100%] text-center p-2 py-48">
                              No Image Available
                            </p>
                          )}
                        </div>

                        <div className="p-2 flex-1 flex flex-col">
                          <div className="flex-1">
                            <h5 className="mt-2 text-sm sm:text-base font-bold text-gray-800 truncate">
                              {product.name}
                            </h5>
                            <p className="mt-1 text-gray-500 truncate">
                              {product.description}
                            </p>
                            <div className="flex flex-wrap justify-between gap-2 mt-2">
                              <div className="flex gap-2">
                                <h6 className="text-sm sm:text-base font-bold text-gray-800">
                                  {(
                                    product.price -
                                    (product.price * product.discountPercent) /
```

```
▪                                       100
▪                                     ).toFixed(2)}
▪                                   </h6>
▪                                   <h6 className="text-sm sm:text-base
  text-gray-500">
▪                                     <span className="line-through">
▪                                       ${product.price.toFixed(2)}
▪                                     </span>
▪                                   </h6>
▪                                 </div>
▪                                 <div className="flex items-center gap-
  0.5">
▪                                   <svg
▪                                     className="w-[14px] h-[14px] fill-
  orange-600"
▪                                     viewBox="0 0 14 13"
▪                                     fill="none"
▪                                     xmlns="http://www.w3.org/2000/svg"
▪                                   >
▪                                     <path d="M7 0L9.4687
  3.60213L13.6574 4.83688L10.9944 8.29787L11.1145 12.6631L7
  11.2L2.8855 12.6631L3.00556 8.29787L0.342604 4.83688L4.5313
  3.60213L7 0Z" />
▪                                   </svg>
▪                                   <svg
▪                                     className="w-[14px] h-[14px] fill-
  orange-600"
▪                                     viewBox="0 0 14 13"
▪                                     fill="none"
▪                                     xmlns="http://www.w3.org/2000/svg"
▪                                   >
▪                                     <path d="M7 0L9.4687
  3.60213L13.6574 4.83688L10.9944 8.29787L11.1145 12.6631L7
  11.2L2.8855 12.6631L3.00556 8.29787L0.342604 4.83688L4.5313
  3.60213L7 0Z" />
▪                                   </svg>
▪                                   <svg
▪                                     className="w-[14px] h-[14px] fill-
  orange-600"
▪                                     viewBox="0 0 14 13"
▪                                     fill="none"
▪                                     xmlns="http://www.w3.org/2000/svg"
▪                                   >
▪                                     <path d="M7 0L9.4687
  3.60213L13.6574 4.83688L10.9944 8.29787L11.1145 12.6631L7
```

```
11.2L2.8855 12.6631L3.00556 8.29787L0.342604 4.83688L4.5313 3.60213L7 0Z" />
                </svg>
                <svg
                 className="w-[14px] h-[14px] fill-[#CED5D8]"
                 viewBox="0 0 14 13"
                 fill="none"
                 xmlns="http://www.w3.org/2000/svg"
                >
                 <path d="M7 0L9.4687 3.60213L13.6574 4.83688L10.9944 8.29787L11.1145 12.6631L7 11.2L2.8855 12.6631L3.00556 8.29787L0.342604 4.83688L4.5313 3.60213L7 0Z" />
                </svg>
                <svg
                 className="w-[14px] h-[14px] fill-[#CED5D8]"
                 viewBox="0 0 14 13"
                 fill="none"
                 xmlns="http://www.w3.org/2000/svg"
                >
                 <path d="M7 0L9.4687 3.60213L13.6574 4.83688L10.9944 8.29787L11.1145 12.6631L7 11.2L2.8855 12.6631L3.00556 8.29787L0.342604 4.83688L4.5313 3.60213L7 0Z" />
                </svg>
               </div>
              </div>
             </div>
             <div className="flex items-center gap-2 mt-4">
              <div
               className="bg-pink-100 hover:bg-pink-200 w-12 h-9 flex items-center justify-center rounded cursor-pointer"
               title="Wishlist"
              >
               {WishList[product._id] ? (
                <GoHeartFill
                 onClick={() => handleWishList(product)}
                 className="text-pink-600 fillHeart"
                />
               ) : (
                <GoHeart
                 onClick={() => handleWishList(product)}
                 className="text-pink-600 emptyHeart"
                />
               )}{" "}
              </div>
              <button
               onClick={() => {
                addToCart(product);
                toast.success("Product added to cart!");
               }}
               type="button"
               className="text-sm px-2 min-h-[36px] w-full bg-orange-600 hover:bg-orange-700 transition-transform duration-300 ease-in-out transform hover:scale-105 active:scale-95
               text-white tracking-wide ml-auto outline-none border-none rounded"
              >
               Add to cart
              </button>
             </div>
            </div>
           </div>
          ))
         ) : (
          <div className="w-full text-center w-[70vw] py-10">
           No product Found
          </div>
         )}
        </div>
       </div>
      </div>
```

Code snippets for Search bar:

```
'use client'
import { createContext, useContext, useState, ReactNode } from "react";
```

```
// Define the context type
type SearchContextType = {
  searchTerm: string;
  setSearchTerm: (term: string) => void;
};

// Create the context
const SearchContext = createContext<SearchContextType | undefined>(undefined);

// Provider component
export function SearchProvider({ children }: { children: ReactNode }) {
  const [searchTerm, setSearchTerm] = useState("");

  return (
    <SearchContext.Provider value={{ searchTerm, setSearchTerm }}>
      {children}
    </SearchContext.Provider>
  );
}

// Hook to use the context
export function useSearch() {
  const context = useContext(SearchContext);
  if (!context) {
    throw new Error("useSearch must be used within a SearchProvider");
  }
  return context;
}
```

Scripts for dynamic routing:

```
"use client";
import GetProductData from "@/sanity/sanity.query";
import Image from "next/image";
import { urlFor } from "../../utils/sanity";
import { useEffect, useState } from "react";
import { typeOfData } from "@/app/utils/types";
import { useCart } from "@/context/CartContext";
import ReviewSection from "@/app/components/ReviewSection";
import ShareButtons from "@/app/ShareButtons/page";

export default function ProductDetails({
  params,
}: {
  params: { _id: string };
},
) {
  const [data, setData] = useState<typeOfData[]>([]);
  const [loading, setLoading] = useState(true);
  const { addToCart } = useCart();

  useEffect(() => {
    const fetchedProducts = async () => {
      try {
        const products = await GetProductData();
        setData(products);
      } catch (err) {
        console.error("Error fetching data: ", err);
      } finally {
        setLoading(false);
      }
    };
    fetchedProducts();
  }, []);

  const details = data.find((e) => e._id === params._id);

  if (loading) {
    return (
      <div className="w-[100vw] h-[100vh] flex justify-center items-center">
        <div className="loader"></div>
      </div>
    );
  }

  if (!details) {
    return <p>No details found for the product.</p>;
  }

  const discountedPrice = (
    details.price -
    (details.price * details.discountPercent) / 100
  ).toFixed(2);
  return (
    <div className="md:p-10">
      <div className="grid items-start grid-cols-1 lg:grid-cols-3">
```

```
        <div className="col-span-2 grid grid-cols-2 lg:sticky top-0 gap-0.5">
          <div className="columns-2 gap-0.5 space-y-0.5">
            <div className="overflow-hidden">
              <Image
                src={urlFor(details.image).width(400).url()}
                width={450}
                height={450}
                  alt="Product"
                className="w-full aspect-[253/337] object-cover object-top shadow-md hover:scale-[1.05] transition-all duration-300"
              />
            </div>
            <div className="overflow-hidden">
              <Image
                src={urlFor(details.image).width(400).url()}
                width={450}
                height={450}
                  alt="Product"
                className="w-full aspect-[253/337] object-cover object-top shadow-md hover:scale-[1.05] transition-all duration-300"
              />
            </div>
            <div className="overflow-hidden">
              <Image
                src={urlFor(details.image).width(400).url()}
                width={450}
                height={450}
                  alt="Product"
                className="w-full aspect-[253/337] object-cover object-top shadow-md hover:scale-[1.05] transition-all duration-300"
              />
            </div>
            <div className="overflow-hidden">
              <Image
                src={urlFor(details.image).width(400).url()}
                width={450}
                height={450}
                  alt="Product"
                className="w-full aspect-[253/337] object-cover object-top shadow-md hover:scale-[1.05] transition-all duration-300"
              />
            </div>
          </div>
          <div className="overflow-hidden">
```

```
            <Image
              src={urlFor(details.image).width(400).url()}
              width={450}
              height={450}
              alt="Product"
              className="w-full aspect-[3/4] object-cover object-top shadow-md hover:scale-[1.05] transition-all duration-300"
            />
          </div>
        </div>

        <div className="py-6 px-8 max-lg:max-w-2xl">
          <div>
            <h2 className="text-3xl font-bold text-gray-800">{details.name}</h2>
          </div>

          <div className="flex items-center space-x-1 mt-4">
            <svg
              className="w-4 h-4 fill-orange-600"
              viewBox="0 0 14 13"
              fill="none"
              xmlns="http://www.w3.org/2000/svg"
            >
              <path d="M7 0L9.4687 3.60213L13.6574 4.83688L10.9944 8.29787L11.1145 12.6631L7 11.2L2.8855 12.6631L3.00556 8.29787L0.342604 4.83688L4.5313 3.60213L7 0Z" />
            </svg>
            <svg
              className="w-4 h-4 fill-orange-600"
              viewBox="0 0 14 13"
              fill="none"
              xmlns="http://www.w3.org/2000/svg"
            >
              <path d="M7 0L9.4687 3.60213L13.6574 4.83688L10.9944 8.29787L11.1145 12.6631L7 11.2L2.8855 12.6631L3.00556 8.29787L0.342604 4.83688L4.5313 3.60213L7 0Z" />
            </svg>
            <svg
              className="w-4 h-4 fill-orange-600"
              viewBox="0 0 14 13"
              fill="none"
              xmlns="http://www.w3.org/2000/svg"
            >
```

```
              <path d="M7 0L9.4687 3.60213L13.6574 4.83688L10.9944 8.29787L11.1145 12.6631L7 11.2L2.8855 12.6631L3.00556 8.29787L0.342604 4.83688L4.5313 3.60213L7 0Z" />
            </svg>
            <svg
              className="w-4 h-4 fill-orange-600"
              viewBox="0 0 14 13"
              fill="none"
              xmlns="http://www.w3.org/2000/svg"
            >
              <path d="M7 0L9.4687 3.60213L13.6574 4.83688L10.9944 8.29787L11.1145 12.6631L7 11.2L2.8855 12.6631L3.00556 8.29787L0.342604 4.83688L4.5313 3.60213L7 0Z" />
            </svg>
            <svg
              className="w-4 h-4 fill-[#CED5D8]"
              viewBox="0 0 14 13"
              fill="none"
              xmlns="http://www.w3.org/2000/svg"
            >
              <path d="M7 0L9.4687 3.60213L13.6574 4.83688L10.9944 8.29787L11.1145 12.6631L7 11.2L2.8855 12.6631L3.00556 8.29787L0.342604 4.83688L4.5313 3.60213L7 0Z" />
            </svg>

            <button
              type="button"
              className="px-2.5 py-1.5 bg-gray-100 text-xs text-gray-800 rounded-md flex items-center !ml-4"
            >
              <svg
                xmlns="http://www.w3.org/2000/svg"
                className="w-3 mr-1"
                fill="currentColor"
                viewBox="0 0 32 32"
              >
                <path
                  d="M14.236 21.954h-3.6c-.91 0-1.65-.74-1.65-1.65v-7.201c0-.91.74-1.65 1.65-1.65h3.6a.75.75 0 0 1 .75.75v9.001a.75.75 0 0 1-.75.75zm-3.6-9.001a.15.15 0 0 0-.15.15v7.2a.15.15 0 0 0 .15.151h2.85v-7.501z"
                  data-original="#000000"
                />
                <path
```

```
                  d="M20.52 21.954h-6.284a.75.75 0 0 1-.75-.75v-9.001c0-.257.132-.495.348-.633.017-.011 1.717-1.118 2.037-3.25.18-1.184 1.118-2.089 2.28-2.201a2.557 2.557 0 0 1 2.17.868c.489.56.71 1.305.609 2.042a9.468 9.468 0 0 1-.678 2.424h.943a2.56 2.56 0 0 1 1.918.862c.483.547.708 1.279.617 2.006l-.675 5.401a2.565 2.565 0 0 1-2.535 2.232zm-5.534-1.5h5.533a1.06 1.06 0 0 0 1.048-.922l.675-5.397a1.046 1.046 0 0 0-1.047-1.182h-2.16a.751.751 0 0 1-.648-1.13 8.147 8.147 0 0 0 1.057-3 1.059 1.059 0 0 0-.254-.852 1.057 1.057 0 0 0-.795-.365c-.577.052-.964.435-1.04.938-.326 2.163-1.71 3.507-2.369 4.036v7.874z"
                  data-original="#000000"
                />
                <path
                  d="M4 31.75a.75.75 0 0 1-.612-1.184c1.014-1.428 1.643-2.999 1.869-4.667.032-.241.055-.485.07-.719A14.701 14.701 0 0 1 1.25 15C1.25 6.867 7.867.25 16 .25S30.75 6.867 30.75 15 24.133 29.75 16 29.75a14.57 14.57 0 0 1-5.594-1.101c-2.179 2.045-4.61 2.81-6.281 3.09A.774.774 0 0 1 4 31.75zm12-30C8.694 1.75 2.75 7.694 2.75 15c0 3.52 1.375 6.845 3.872 9.362a.75.75 0 0 1 .217.55c-.01.373-.042.78-.095 1.186A11.715 11.715 0 0 1 5.58 29.83a10.387 10.387 0 0 0 3.898-2.37l.231-.23a.75.75 0 0 1 .84-.153A13.072 13.072 0 0 0 16 28.25c7.306 0 13.25-5.944 13.25-13.25S23.306 1.75 16 1.75z"
                  data-original="#000000"
                />
              </svg>
              87 Reviews
            </button>
          </div>

          <div className="mt-6">
            <div className="flex items-center flex-wrap gap-4">
              <p className="text-gray-800 text-4xl font-bold">
                ${discountedPrice}
              </p>
              <p className="text-gray-400 text-sm mt-2">
                <span className="line-through">${details.price}</span>{" "}
                <span className="ml-1">Tax included</span>
              </p>
            </div>
          </div>

          <div className="mt-6">
            <h3 className="text-xl font-bold text-gray-800">Choose a Size</h3>
            <div className="flex flex-wrap gap-4 mt-4">
```

```
       {details.sizes.map((e: string) => (
        <div>
         <button
          type="button"
          className="w-10 h-10 border hover:border-gray-800 font-semibold text-gray-800 text-sm rounded-full flex items-center justify-center shrink-0"
         >
          {e}
         </button>
        </div>
       ))}
      </div>
     </div>

     <div className="mt-6">
      <h3 className="text-lg font-semibold text-gray-800">
       Available Colors:
      </h3>
      <div className="flex gap-3 mt-2">
       {details.colors.map((color: string) => (
        <div
         key={color}
         className="w-8 h-8 rounded-full border border-gray-400"
         style={{ backgroundColor: color.toLowerCase() }}
         title={color}
        ></div>
       ))}
      </div>
     </div>

     <div className="mt-6 space-y-4">
      <button
       onClick={() => {addToCart(details);
        alert("Product added to cart!");
       }}
       type="button"
       className=" transition-transform duration-300 ease-in-out transform hover:scale-105 active:scale-95
       text-sm px-2 min-h-[36px] w-full bg-orange-600 hover:bg-orange-700 text-white tracking-wide ml-auto outline-none border-none rounded"
      >
       Add to cart
      </button>
```

```
          </div>

          <div className="mt-6">
            <div>
              <h3 className="text-xl font-bold text-gray-800">
                Product Description
              </h3>
              <p className="text-sm text-gray-500 mt-4">
                {details.description}
              </p>
              <ShareButtons
              url={details.name || ""}
              message={`Check out this product: ${details.name}`}
            />              </div>
          </div>
        </div>
      </div>
      <ReviewSection/>
    </div>
  );
}

```