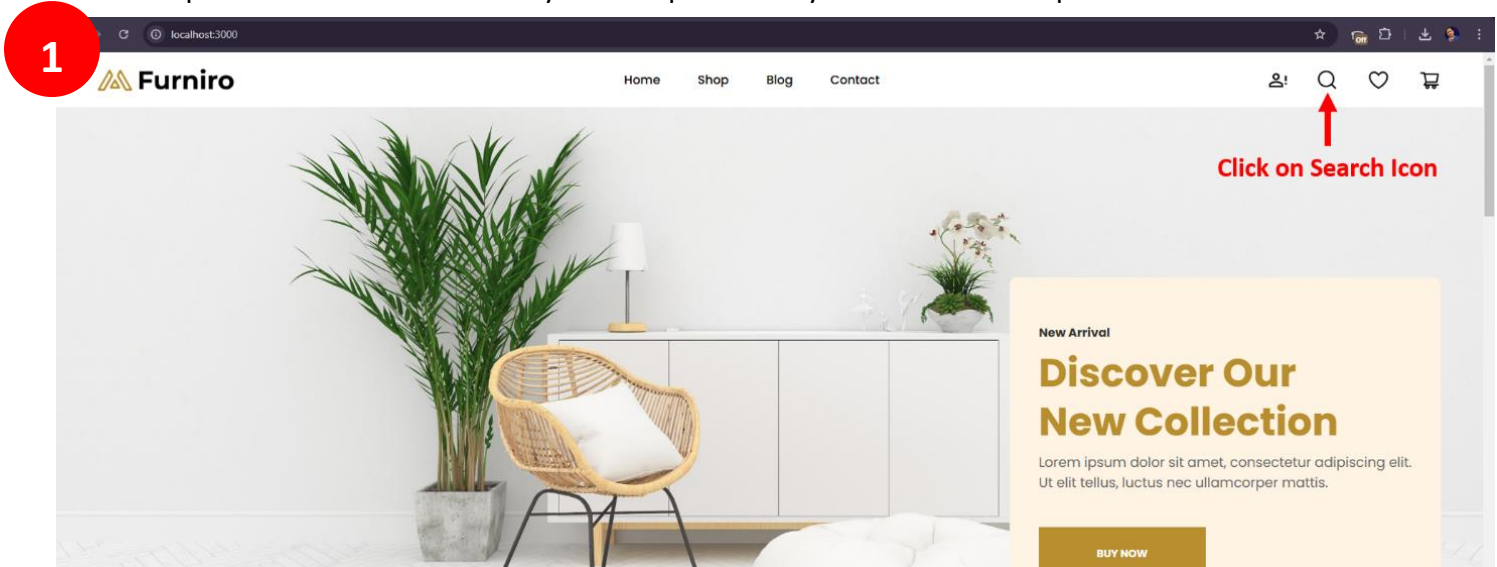


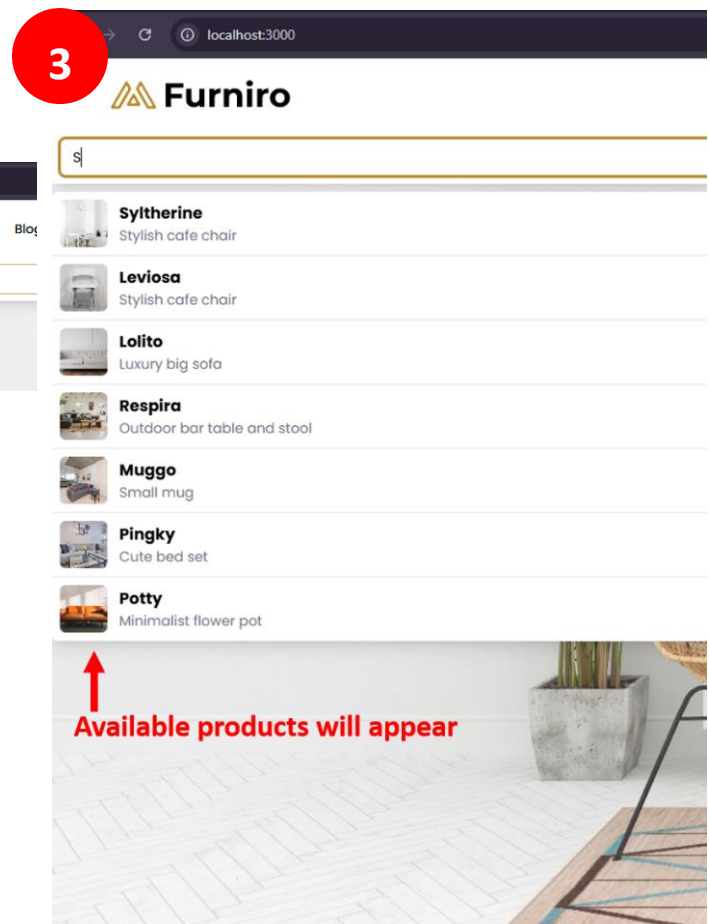
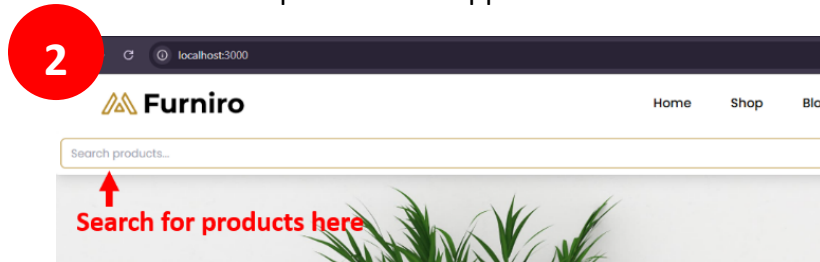
## DAY 4 - BUILDING DYNAMIC FRONTEND COMPONENTS FOR YOUR MARKETPLACE

### 1. Search Bar Component:

- ✓ Implement search functionality to filter products by names and description.



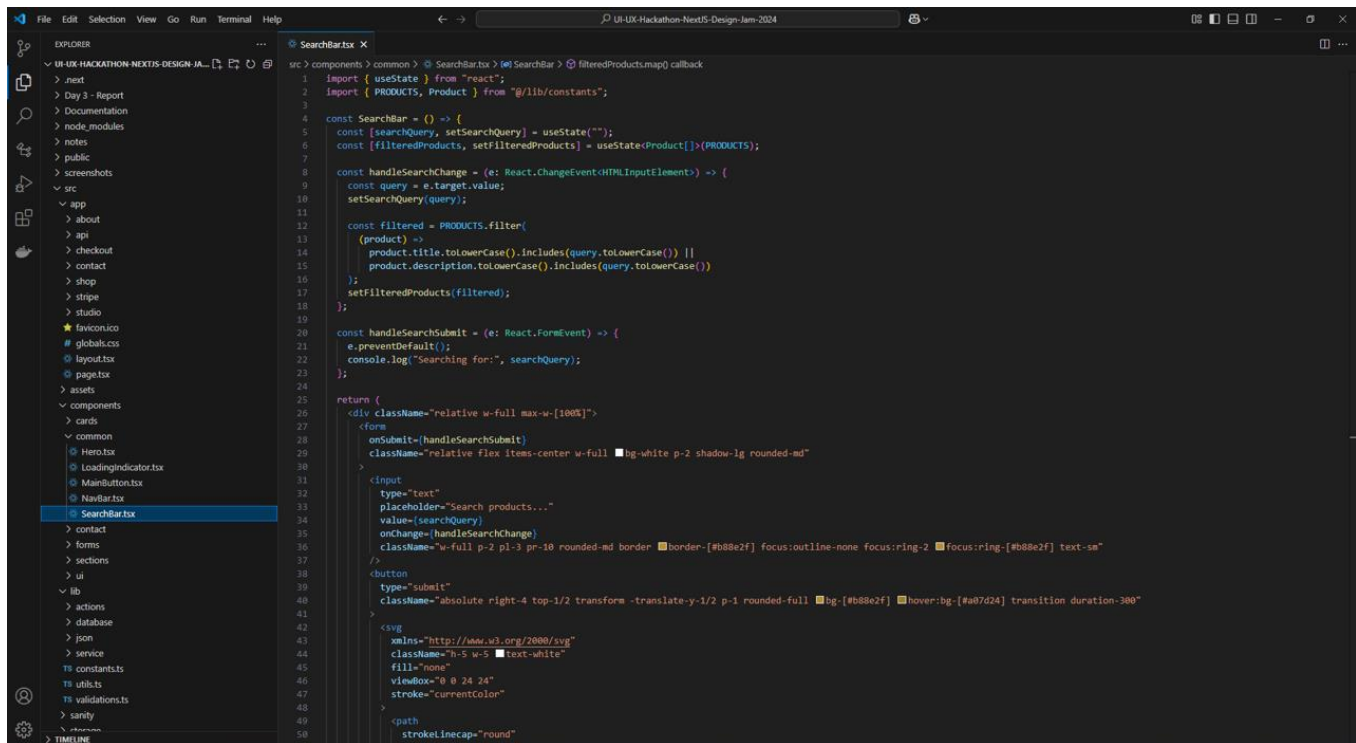
1. Click on Search Icon
2. Search for products
3. Available products will appear on screen



Prepared by: MUHAMMAD SALMAN HUSSAIN

Roll #: 00319106

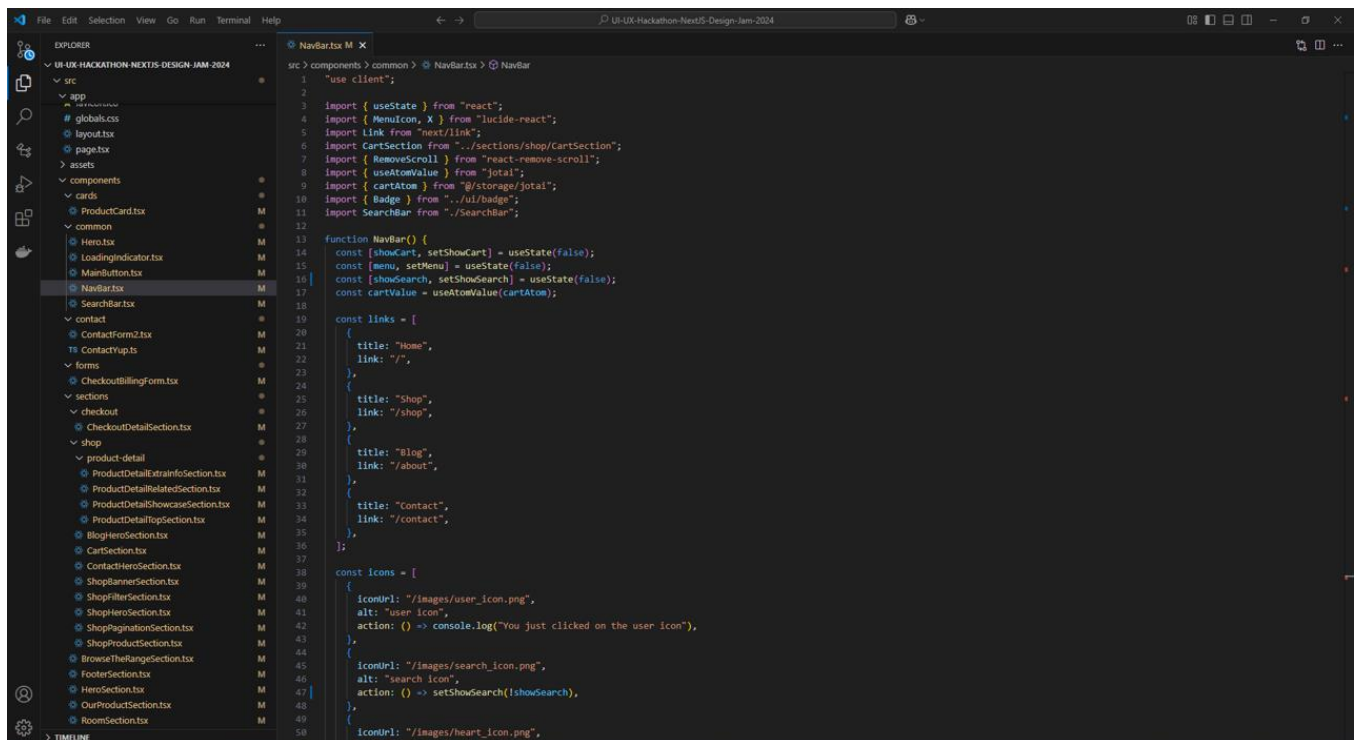
## SearchBar.tsx:



```
src > components > common > SearchBar > SearchBar > filteredProductmap() callback
1 import { useState } from "react";
2 import { PRODUCTS, Product } from "@lib/constants";
3
4 const SearchBar = () => {
5   const [searchQuery, setSearchQuery] = useState("");
6   const [filteredProducts, setFilteredProducts] = useState<Product[]>(PRODUCTS);
7
8   const handleSearchChange = (e: React.ChangeEvent<HTMLInputElement>) => {
9     const query = e.target.value;
10    setSearchQuery(query);
11
12    const filtered = PRODUCTS.filter(
13      (product) =>
14        product.title.toLowerCase().includes(query.toLowerCase()) ||
15        product.description.toLowerCase().includes(query.toLowerCase())
16    );
17    setFilteredProducts(filtered);
18  };
19
20  const handleSearchSubmit = (e: React.FormEvent) => {
21    e.preventDefault();
22    console.log("Searching for:", searchQuery);
23  };
24
25  return (
26    <div className="relative w-full max-w-[100%]">
27      <form
28        onSubmit={handleSearchSubmit}
29        className="relative flex items-center w-full bg-white p-2 shadow-lg rounded-md"
30      >
31        <input
32          type="text"
33          placeholder="Search products..."
34          value={searchQuery}
35          onChange={handleSearchChange}
36          className="w-full p-2 pl-3 pr-10 rounded-md border border-[#888e2f] focus:outline-none focus:ring-2 focus:ring-[#888e2f] text-sa"
37        />
38        <button
39          type="submit"
40          className="absolute right-4 top-1/2 transform -translate-y-1/2 p-1 rounded-full bg-[#888e2f] hover:bg-[#a07d24] transition duration-300"
41        >
42          <svg
43            xmlns="http://www.w3.org/2000/svg"
44            className="h-5 w-5 text-white"
45            fill="none"
46            viewBox="0 0 24 24"
47            stroke="currentColor"
48          >
49            <path
50              strokeLinecap="round"
51              stroke-width="2"
52              d="m21 21 4 4"
53            />
54          </svg>
55        </button>
56      </form>
57    </div>
58  );
59}
```

## 2. Header and Footer Components:

- ✓ Nav linked to key pages (e.g., Home, Shop, Contact).

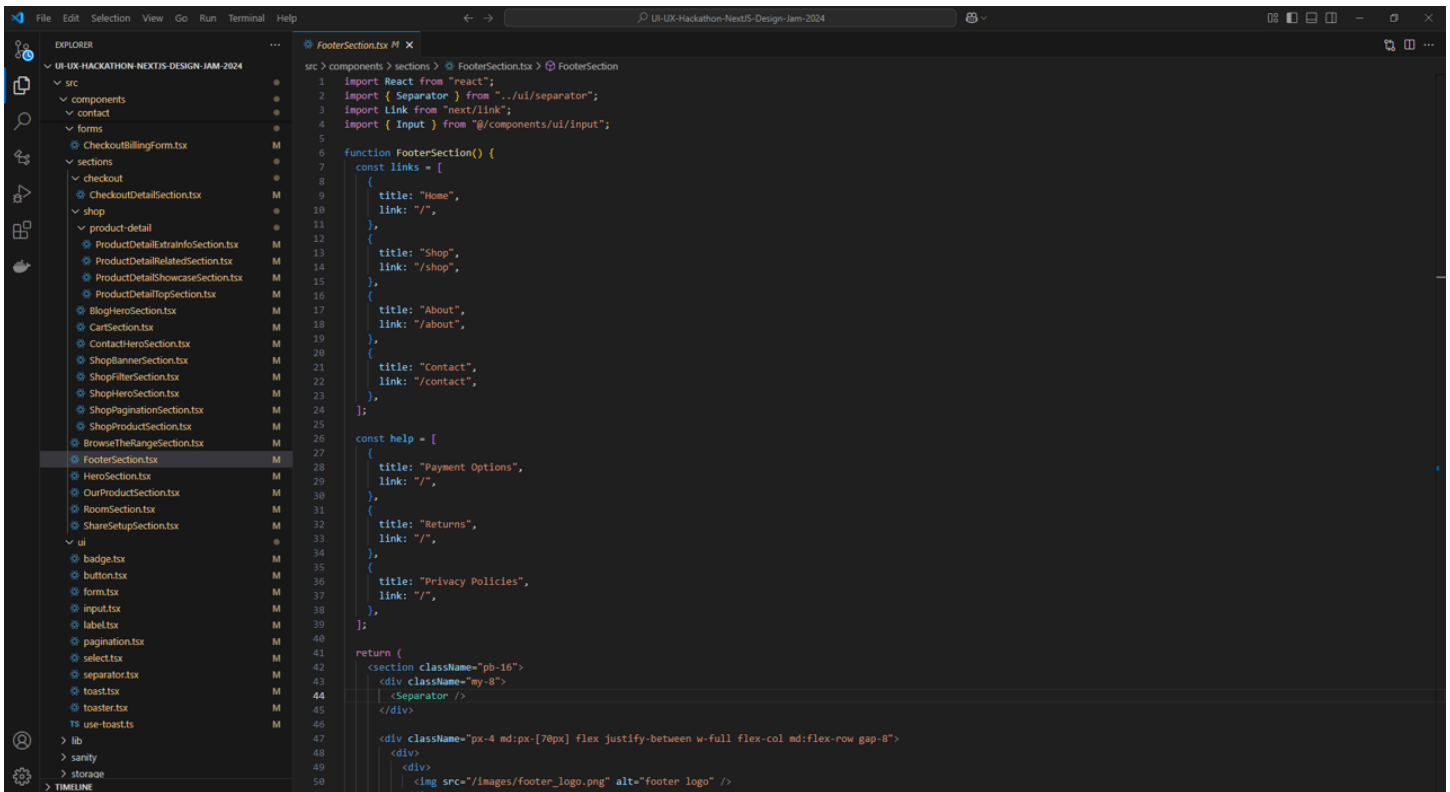


```
src > components > common > NavBar > NavBar
1 "use client";
2
3 import { useState } from "react";
4 import { MenuIcon, X } from "lucide-react";
5 import Link from "next/link";
6 import CartSection from "../sections/shop/CartSection";
7 import { RemoveScroll } from "react-remove-scroll";
8 import { useAtomValue } from "jotai";
9 import { cartAtom } from "@storage/jotai";
10 import { Badge } from "../ui/badge";
11 import SearchBar from "../SearchBar";
12
13 function NavBar() {
14   const [showCart, setShowCart] = useState(false);
15   const [menu, setMenu] = useState(false);
16   const [showSearch, setShowSearch] = useState(false);
17   const cartValue = useAtomValue(cartAtom);
18
19   const links = [
20     {
21       title: "Home",
22       link: "/",
23     },
24     {
25       title: "Shop",
26       link: "/shop",
27     },
28     {
29       title: "Blog",
30       link: "/about",
31     },
32     {
33       title: "Contact",
34       link: "/contact",
35     },
36   ];
37
38   const icons = [
39     {
40       iconUrl: "/images/user_icon.png",
41       alt: "user icon",
42       action: () => console.log("You just clicked on the user icon"),
43     },
44     {
45       iconUrl: "/images/search_icon.png",
46       alt: "search icon",
47       action: () => setShowSearch(!showSearch),
48     },
49     {
50       iconUrl: "/images/heart_icon.png",
51       alt: "heart icon",
52       action: () => console.log("You just clicked on the heart icon"),
53     },
54   ];
55}
```

Prepared by: MUHAMMAD SALMAN HUSSAIN

Roll #: 00319106

✓ Consistent navigation in Footer.



```
1 import React from "react";
2 import { Separator } from "../ui/separator";
3 import Link from "next/link";
4 import { Input } from "@components/ui/input";
5
6 function FooterSection() {
7   const links = [
8     {
9       title: "Home",
10      link: "/",
11    },
12     {
13       title: "Shop",
14       link: "/shop",
15     },
16     {
17       title: "About",
18       link: "/about",
19     },
20     {
21       title: "Contact",
22       link: "/contact",
23     },
24   ];
25
26   const help = [
27     {
28       title: "Payment Options",
29       link: "/",
30     },
31     {
32       title: "Returns",
33       link: "/",
34     },
35     {
36       title: "Privacy Policies",
37       link: "/",
38     },
39   ];
40
41   return (
42     <section className="pb-16">
43       <div className="my-8">
44         <Separator />
45       </div>
46
47       <div className="px-4 md:px-[70px] flex justify-between w-full flex-col md:flex-row gap-8">
48         <div>
49           <div>
50             
51           </div>
52         </div>
53       </div>
54     </section>
55   );
56 }
```

### 3. Toast Notification Components:

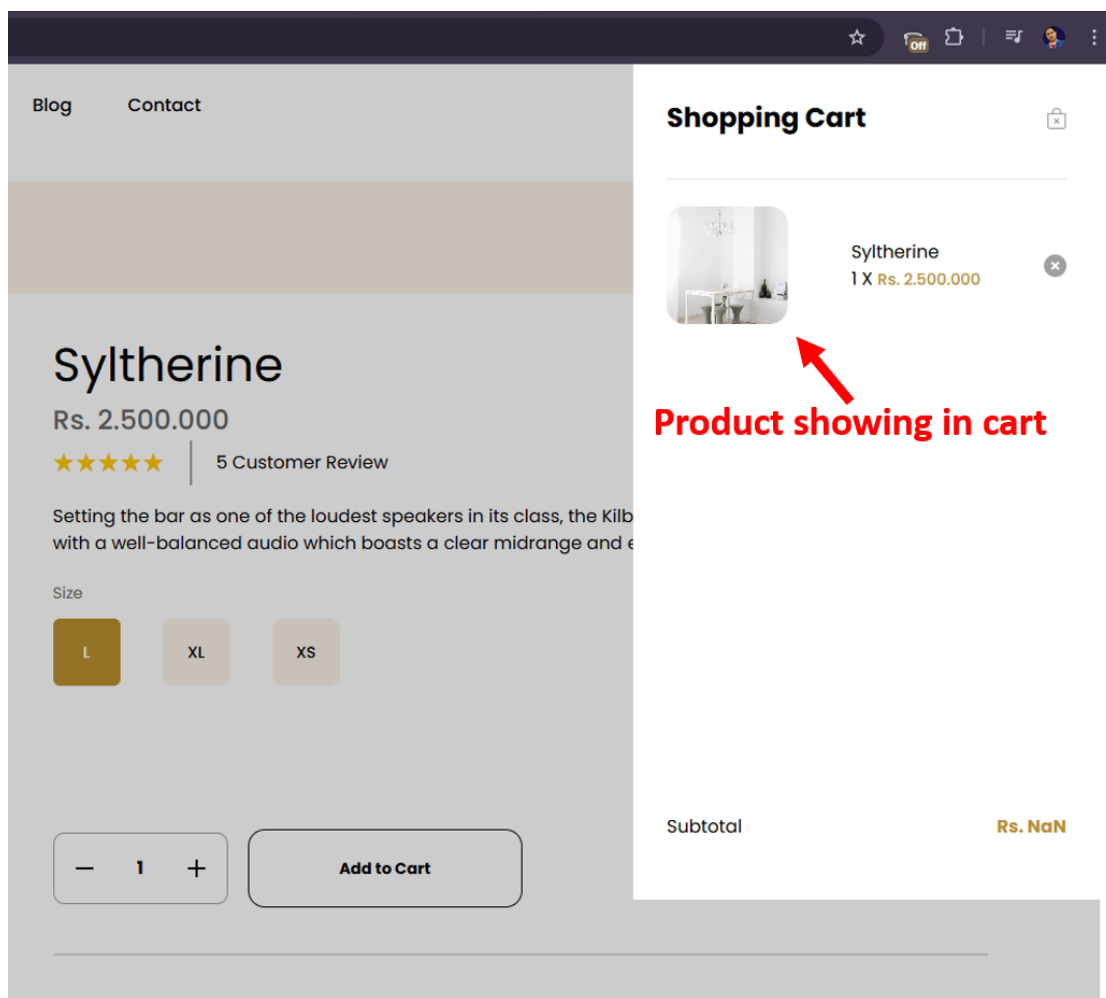
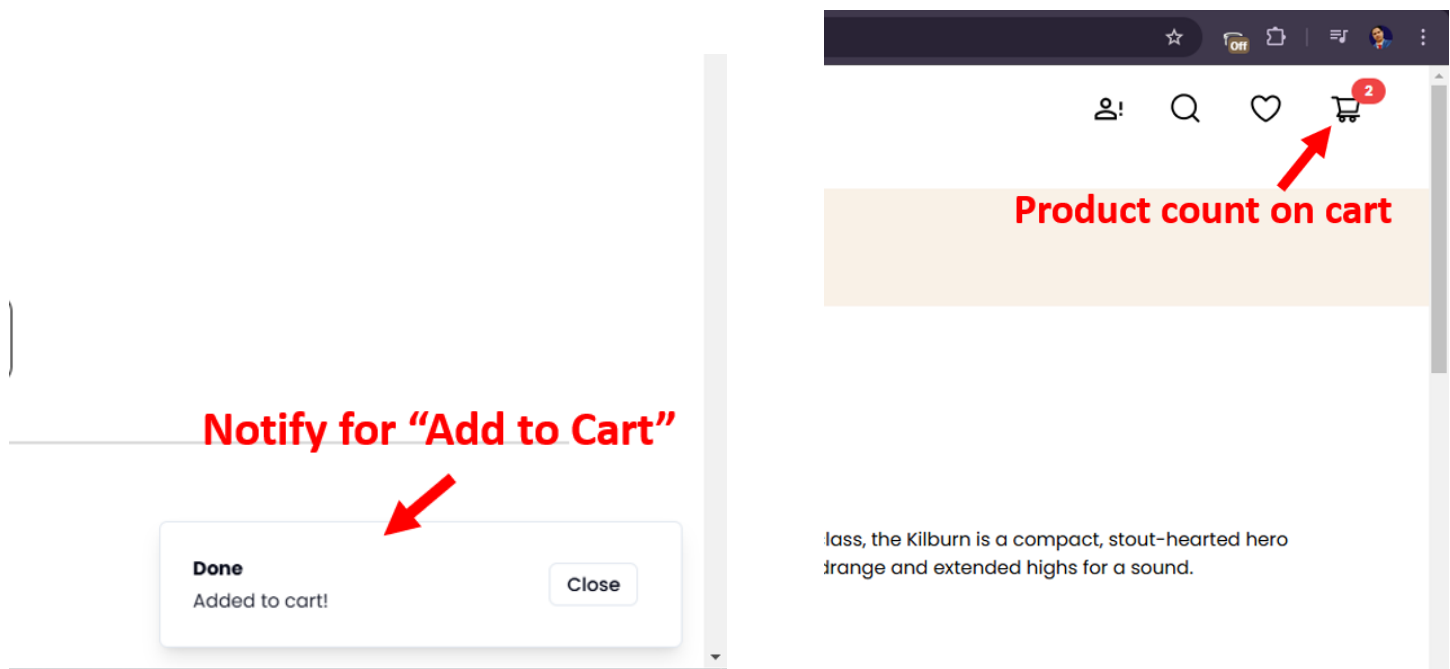
✓ Added toast notifications in;

- 'layout.tsx'
- 'CheckoutDetailSection.tsx'
- 'ProductDetailShowcaseSection.tsx'
- 'use-toast.tsx'
- 'apiService.ts'

Prepared by: MUHAMMAD SALMAN HUSSAIN

Roll #: 00319106

#### 4. Real-time alerts for Adding to Cart:



Prepared by: MUHAMMAD SALMAN HUSSAIN

Roll #: 00319106

