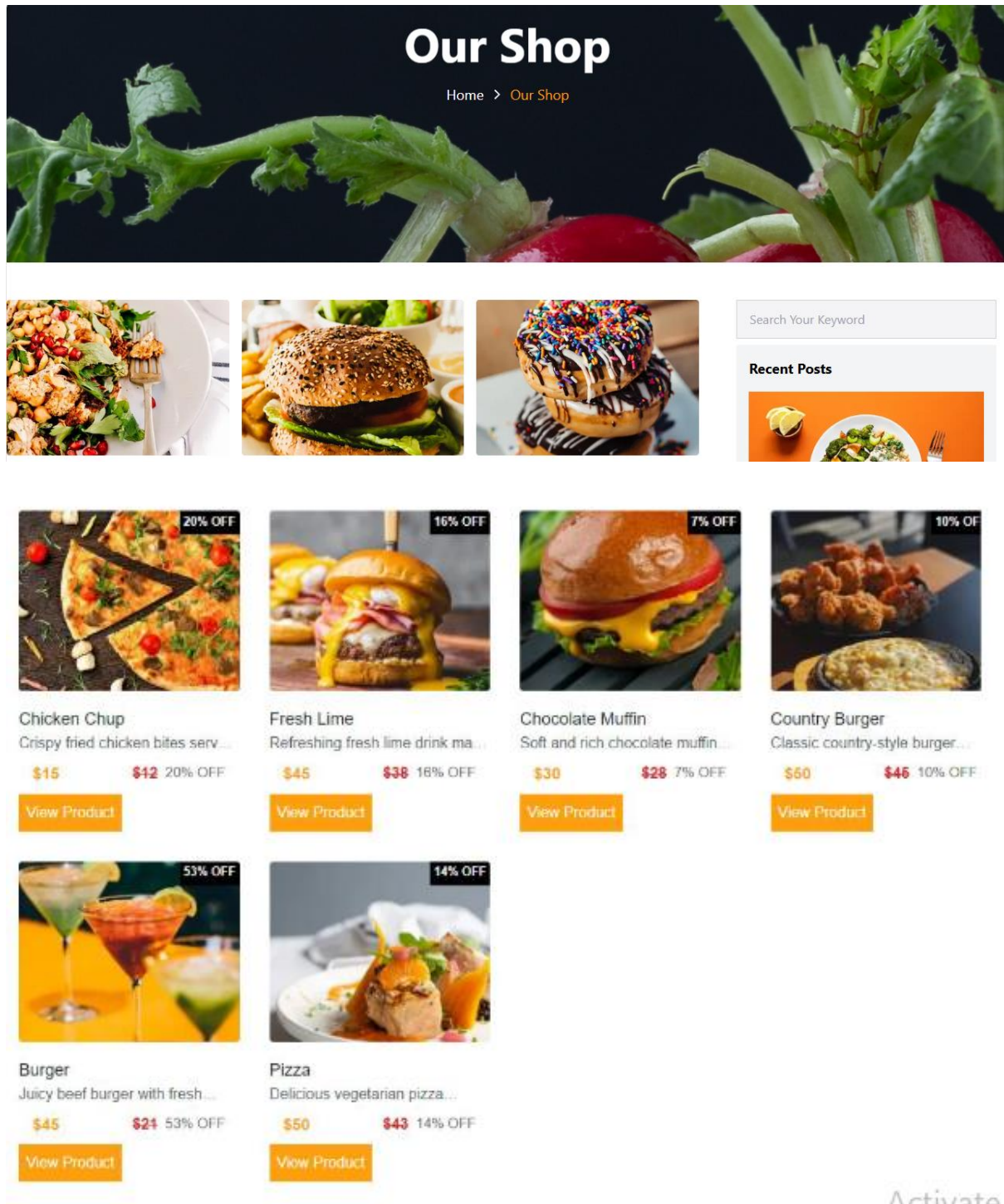


## Day 4 Dynamic Frontend Components – AB Foods

### Functional Deliverables:

Screenshots of:

### Product Listing Components:



Category Component:



Product Detail Component:



In Stock

## Chicken Chup

Crispy fried chicken bites served with dipping sauce.

\$15

~~\$42~~ 20% OFF

★★★★★

Rating

Review

-

+



Add to Cart

♥ Add to Wishlist

🔄 Compare

Category: Appetizer

Tags: Sell, Crispy

Share:    

Description

Reviews (22)

Lorem Nam tristique porta ligula, vel viverra sem eleifend nec. Nulla sed purus augue, eu euismod tellus. Nam mattis eros nec mi sagittis sagittis. Vestibulum suscipit cursus bibendum. Integer at justo eget sem auctor auctor eget vitae arcu. Nam tempor malesuada porttitor. Nulla quis dignissim ipsum. Aliquam pulvinar iaculis justo, sit amet interdum sem hendrerit vitae. Vivamus vel erat tortor. Nulla facilisi. In nulla quam, lacinia eu aliquam ac, aliquam in nisi.

Suspendisse cursus sodales placerat. Morbi eu lacinia ex. Curabitur blandit justo urna, id porttitor est dignissim nec. Pellentesque scelerisque hendrerit posuere. Sed at dolor quis nisi rutrum accumsan et sagittis massa. Aliquam aliquam accumsan lectus quis auctor. Curabitur rutrum massa at volutpat placerat. Duis sagittis vehicula fermentum. Integer eu vulputate justo. Aenean pretium odio vel tempor sodales. Suspendisse eu fringilla leo, non aliquet sem.

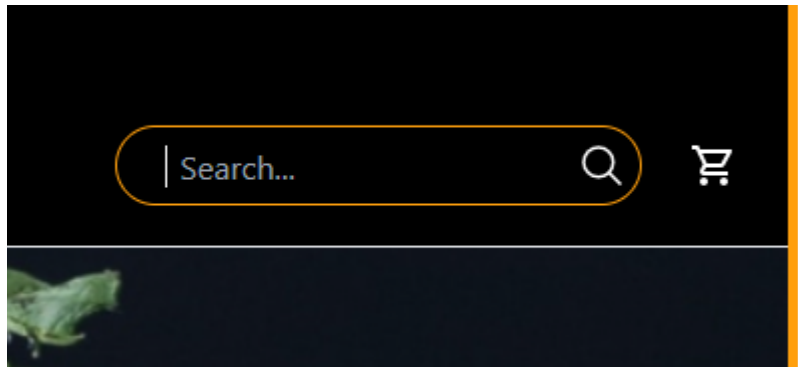
### Key Benefits

- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Maecenas ullamcorper est et massa mattis condimentum.
- Vestibulum sed massa vel ipsum imperdiet malesuada id tempus nisl.
- Etiam nec massa et lectus faucibus ornare congue in nunc.
- Mauris eget diam magna, in blandit turpis.

## Search Bar Functionality:

- A search bar is implemented using the `SearchableProductList` component.
- The `handleSearch` function filters products based on the search query. It checks the `name` field of each product and show them.
- The search bar dynamically updates the `filteredData` as the user types.

## (Screenshot of Nav Bar)

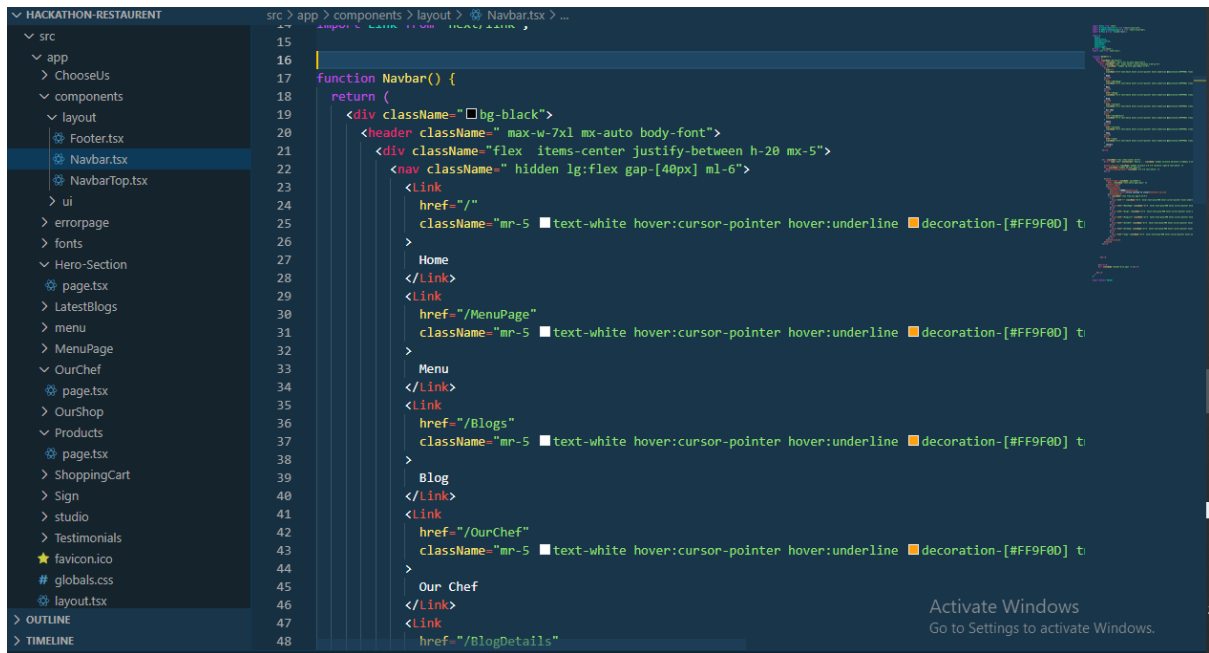


```
src
├── app
│   ├── globals.css
│   ├── layout.tsx
│   └── page.tsx
├── components
├── layout
│   ├── Activeprocess.tsx
│   ├── Bestfoodyproduct.tsx
│   ├── Blog.tsx
│   ├── Chefs.tsx
│   ├── Comment.tsx
│   ├── Foodcatr.tsx
│   ├── Footer.tsx
│   ├── Hero.tsx
│   └── Nav.tsx
├── Ourmenu.tsx
├── Review.tsx
├── Testi.tsx
├── Whyus.tsx
├── ui
├── lib
│   ├── utils.ts
├── sanity
├── lib
│   ├── client.ts
│   ├── image.ts
│   └── live.ts
├── OUTLINE
└── TIMELINE

import { IoSearch } from "react-icons/io5";
import React from "react";
import { GiHamburgerMenu } from "react-icons/gi";
import foodlogo from "../../public/Foodtuck.png";
import { Sheet, SheetContent, SheetTrigger } from "@components/ui/sheet";
import Link from "next/link";

const Nav = () => {
  return (
    <div className="w-full flex flex-col lg:px-[100px] px-[20px] lg:py-[20px] py-[10px]">
      <div className="flex justify-center lg:justify-start mb-[10px]">
        <Image src={foodlogo} alt="logo" className="justify-center mx-[440px] font-bold text-[24px] lead" />
      </div>
      <div className="hidden lg:flex justify-between items-center">
        <ul className="text-white text flex gap-[10px] font-medium leading-[24px] text-[15px]">
          <Link href="/"><li className="w-[45px] h-[24px] font-medium leading-[24px]">Home</li></Link>
          <Link href="/ourmenu"><li className="w-[45px] h-[24px] font-medium leading-[24px]">Menu</li></Link>
          <Link href="/blog"><li className="w-[45px] h-[24px] font-medium leading-[24px]">Blog</li></Link>
          <Link href="/ourchef"><li className="w-[45px] h-[24px] font-medium leading-[24px]">Chef</li></Link>
          <Link href="/aboutus"><li className="w-[45px] h-[24px] font-medium leading-[24px]">About</li></Link>
          <Link href="/shop"><li className="w-[45px] h-[24px] font-medium leading-[24px]">Shop</li></Link>
          <Link href="/signin"><li className="w-[45px] h-[24px] font-medium leading-[24px]">Signin</li></Link>
        </ul>
        <div className="flex items-center gap-[15px]">
          <div className="flex items-center gap-[10px] px-[15px] py-[5px] border border-bordercolor" style={border}>
            <input type="text" placeholder="Search..." className="bg-transparent outline-none text-white text-[14px] placeholder:text-white" />
            <IoSearch className="text-white w-[20px] h-[20px]" />
          </div>
          <SheetTrigger><li className="w-[45px] h-[24px] font-medium leading-[24px]">Menu</li></SheetTrigger>
        </div>
      </div>
    </div>
  );
};

export default Nav;
```

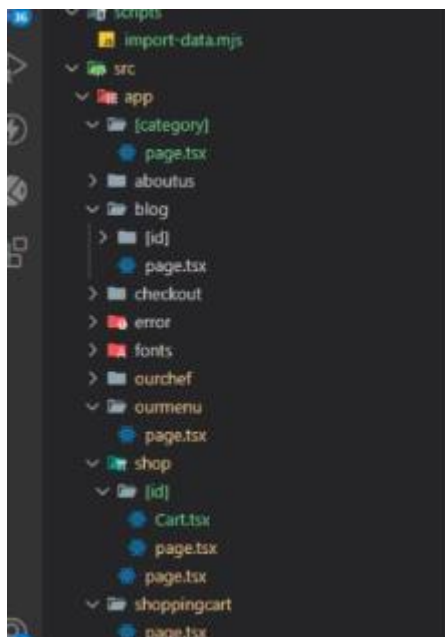


```
15
16
17 function Navbar() {
18   return (
19     <div className="bg-black">
20       <header className="max-w-7xl mx-auto body-font">
21         <div className="flex items-center justify-between h-20 mx-5">
22           <nav className="hidden lg:flex gap-[40px] ml-6">
23             <Link
24               href="/"
25               className="mr-5 text-white hover:cursor-pointer hover:underline decoration-[#FF9F0D] t
26             >
27               Home
28             </Link>
29             <Link
30               href="/MenuPage"
31               className="mr-5 text-white hover:cursor-pointer hover:underline decoration-[#FF9F0D] t
32             >
33               Menu
34             </Link>
35             <Link
36               href="/Blogs"
37               className="mr-5 text-white hover:cursor-pointer hover:underline decoration-[#FF9F0D] t
38             >
39               Blog
40             </Link>
41             <Link
42               href="/OurChef"
43               className="mr-5 text-white hover:cursor-pointer hover:underline decoration-[#FF9F0D] t
44             >
45               Our Chef
46             </Link>
47             <Link
48               href="/BlogDetails"
```

## Product Details (Dynamic Routes):

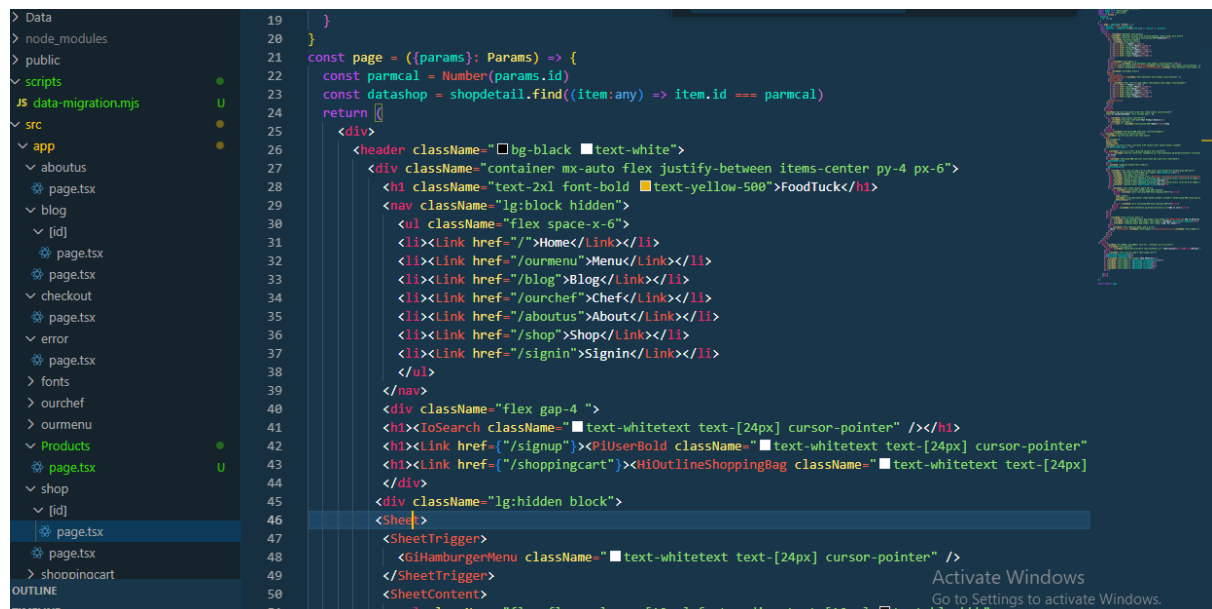
- Shows a product image, name, description, price (original and discounted), and a discount percentage for real-time.
- Includes a "View Product" button linking to the product's detailed page using its `_id`.

## File Structure:





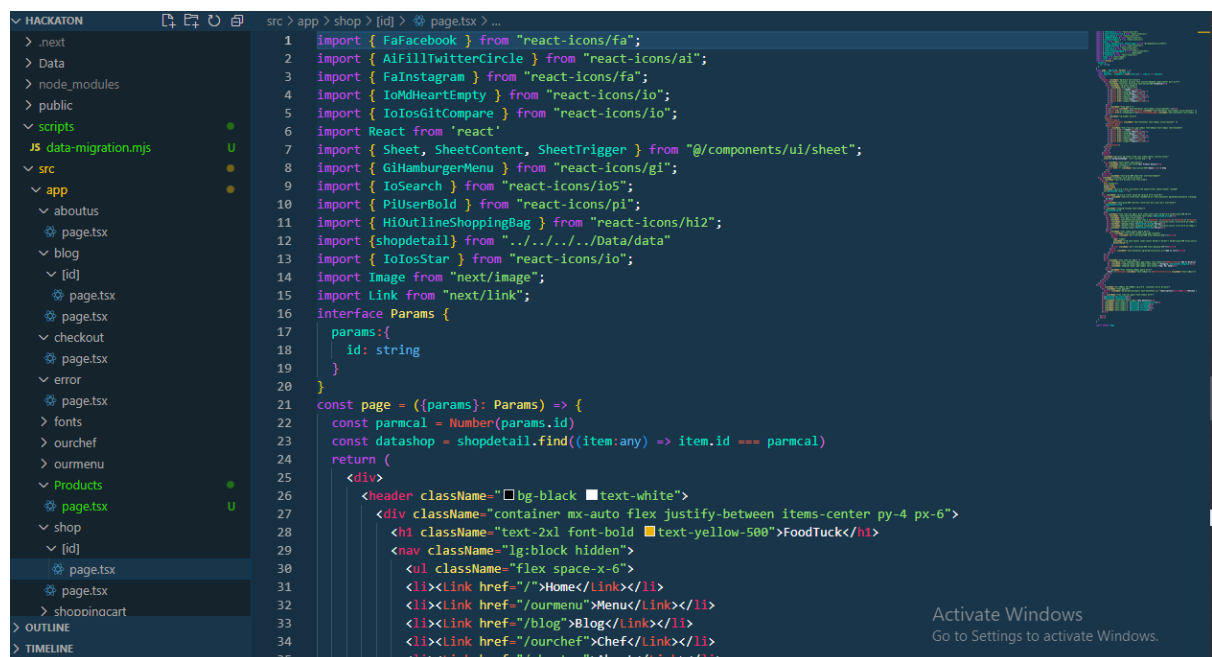
## Code:



```
19 }
20 }
21 const page = ({params}: Params) => {
22   const parmcid = Number(params.id)
23   const datashop = shopdetail.find((item:any) => item.id === parmcid)
24   return (
25     <div>
26       <header className="bg-black text-white">
27         <div className="container mx-auto flex justify-between items-center py-4 px-6">
28           <h1 className="text-2xl font-bold text-yellow-500">FoodTuck</h1>
29           <nav className="lg:block hidden">
30             <ul className="flex space-x-6">
31               <li><Link href="/">Home</Link></li>
32               <li><Link href="/ourmenu">Menu</Link></li>
33               <li><Link href="/blog">Blog</Link></li>
34               <li><Link href="/ourchef">Chef</Link></li>
35               <li><Link href="/aboutus">About</Link></li>
36               <li><Link href="/shop">Shop</Link></li>
37               <li><Link href="/signin">Signin</Link></li>
38             </ul>
39           </nav>
40           <div className="flex gap-4">
41             <IoSearch className="text-white text-[24px] cursor-pointer" /></div>
42             <div>
43               <h1><Link href="/signup"><PiUserBold className="text-white text-[24px] cursor-pointer" />
44               <h1><Link href="/shoppingcart"><HiOutlineShoppingBag className="text-white text-[24px] cursor-pointer" />
45             </div>
46           </div>
47         </div>
48       </header>
49       <div>
50         <SheetTrigger>
51           <GiHamburgerMenu className="text-white text-[24px] cursor-pointer" />
52         </SheetTrigger>
53         <SheetContent>
54           <div>
55             <ul>
56               <li><Link href="/">Home</Link></li>
57               <li><Link href="/ourmenu">Menu</Link></li>
58               <li><Link href="/blog">Blog</Link></li>
59               <li><Link href="/ourchef">Chef</Link></li>
60               <li><Link href="/aboutus">About</Link></li>
61               <li><Link href="/shop">Shop</Link></li>
62               <li><Link href="/signin">Signin</Link></li>
63             </ul>
64           </div>
65         </SheetContent>
66       </div>
67     </div>
68   )
69 }
```

## Product List:

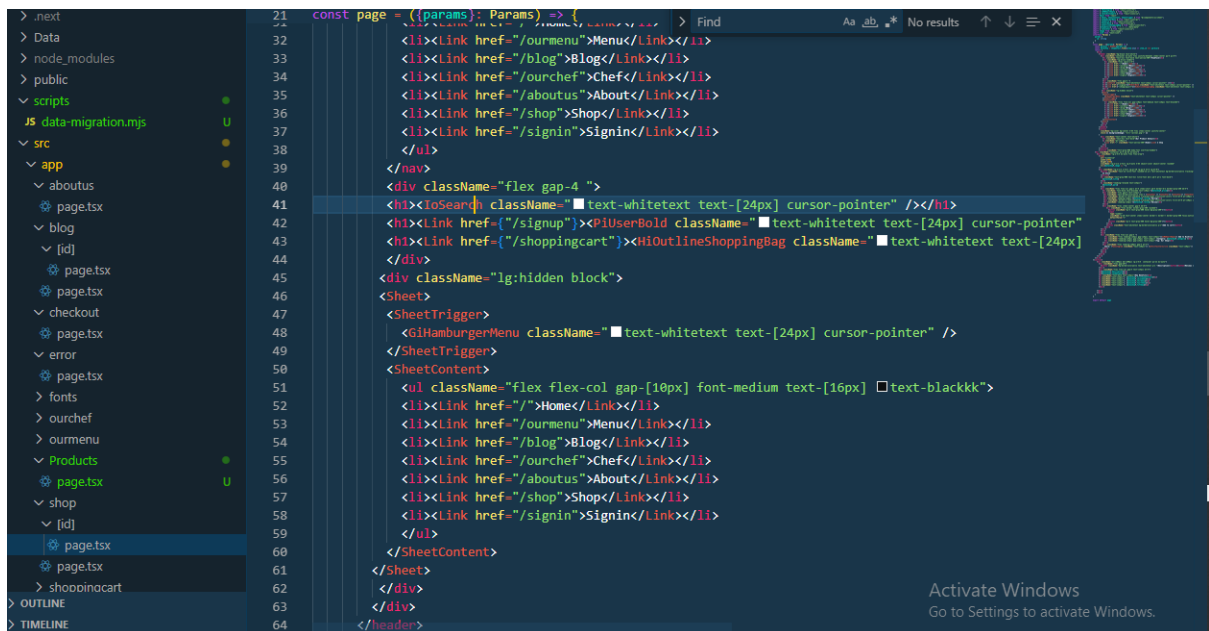
- Fetches data from a Sanity CMS backend for items of type "food".
- Displays each product in a card format, showing its name, description, price, discount, and an image.



```
1 import { FaFacebook } from "react-icons/fa";
2 import { AiFillTwitterCircle } from "react-icons/ai";
3 import { FaInstagram } from "react-icons/fa";
4 import { IoMdHeartEmpty } from "react-icons/io";
5 import { IoIosGitCompare } from "react-icons/io";
6 import React from "react";
7 import { Sheet, SheetContent, SheetTrigger } from "@components/ui/sheet";
8 import { GiHamburgerMenu } from "react-icons/gi";
9 import { IoSearch } from "react-icons/ios";
10 import { PiUserBold } from "react-icons/pi";
11 import { HiOutlineShoppingBag } from "react-icons/hi2";
12 import { shopdetail } from "../../Data/data";
13 import { IoIosStar } from "react-icons/io";
14 import Image from "next/image";
15 import Link from "next/link";
16 interface Params {
17   id: string;
18 }
19
20
21 const page = ({params}: Params) => {
22   const parmcid = Number(params.id)
23   const datashop = shopdetail.find((item:any) => item.id === parmcid)
24   return (
25     <div>
26       <header className="bg-black text-white">
27         <div className="container mx-auto flex justify-between items-center py-4 px-6">
28           <h1 className="text-2xl font-bold text-yellow-500">FoodTuck</h1>
29           <nav className="lg:block hidden">
30             <ul className="flex space-x-6">
31               <li><Link href="/">Home</Link></li>
32               <li><Link href="/ourmenu">Menu</Link></li>
33               <li><Link href="/blog">Blog</Link></li>
34               <li><Link href="/ourchef">Chef</Link></li>
35               <li><Link href="/aboutus">About</Link></li>
36               <li><Link href="/shop">Shop</Link></li>
37               <li><Link href="/signin">Signin</Link></li>
38             </ul>
39           </nav>
40           <div className="flex gap-4">
41             <IoSearch className="text-white text-[24px] cursor-pointer" /></div>
42             <div>
43               <h1><Link href="/signup"><PiUserBold className="text-white text-[24px] cursor-pointer" />
44               <h1><Link href="/shoppingcart"><HiOutlineShoppingBag className="text-white text-[24px] cursor-pointer" />
45             </div>
46           </div>
47         </div>
48       </header>
49       <div>
50         <SheetTrigger>
51           <GiHamburgerMenu className="text-white text-[24px] cursor-pointer" />
52         </SheetTrigger>
53         <SheetContent>
54           <div>
55             <ul>
56               <li><Link href="/">Home</Link></li>
57               <li><Link href="/ourmenu">Menu</Link></li>
58               <li><Link href="/blog">Blog</Link></li>
59               <li><Link href="/ourchef">Chef</Link></li>
60               <li><Link href="/aboutus">About</Link></li>
61               <li><Link href="/shop">Shop</Link></li>
62               <li><Link href="/signin">Signin</Link></li>
63             </ul>
64           </div>
65         </SheetContent>
66       </div>
67     </div>
68   )
69 }
```

## Categories Dropdown:

- Filters unique categories from the fetched products.
- Created a dropdown menu with clickable category links.

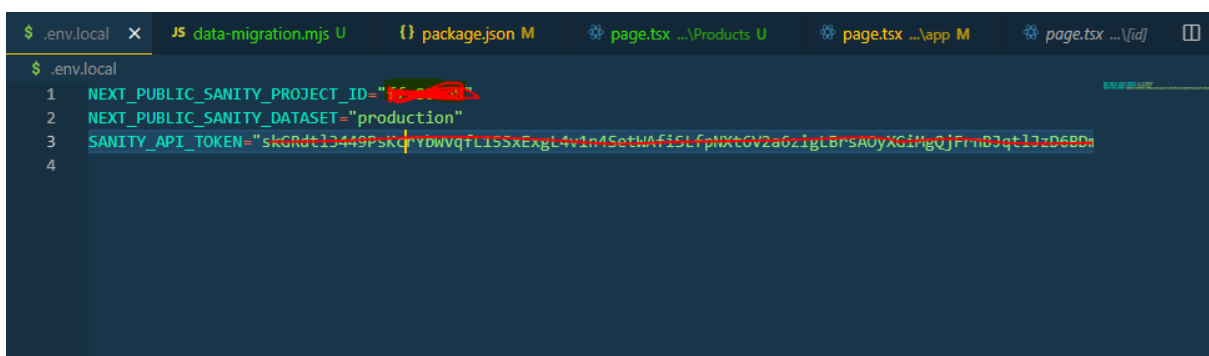


```
21 const page = ({params}: Params) => {
22   // ...
23   <li><Link href="/ourmenu">Menu</Link></li>
24   <li><Link href="/blog">Blog</Link></li>
25   <li><Link href="/ourchef">Chef</Link></li>
26   <li><Link href="/aboutus">About</Link></li>
27   <li><Link href="/shop">Shop</Link></li>
28   <li><Link href="/signin">Signin</Link></li>
29   </ul>
30 </nav>
31 <div className="flex gap-4">
32   <h1><IoSearch</IoSearch> className="text-white text-[24px] cursor-pointer" /></h1>
33   <h1><Link href="/signin"><PiUserBold className="text-white text-[24px] cursor-pointer" />
34   <h1><Link href="/shoppingcart"><HiOutlineShoppingBag className="text-white text-[24px] cursor-pointer" />
35 </div>
36 <div className="lg:hidden block">
37   <SheetTrigger>
38     <GiHamburgerMenu className="text-white text-[24px] cursor-pointer" />
39   </SheetTrigger>
40   <SheetContent>
41     <ul className="flex flex-col gap-[10px] font-medium text-[16px] text-black">
42       <li><Link href="/">Home</Link></li>
43       <li><Link href="/ourmenu">Menu</Link></li>
44       <li><Link href="/blog">Blog</Link></li>
45       <li><Link href="/ourchef">Chef</Link></li>
46       <li><Link href="/aboutus">About</Link></li>
47       <li><Link href="/shop">Shop</Link></li>
48       <li><Link href="/signin">Signin</Link></li>
49     </ul>
50   </SheetContent>
51 </div>
52 </div>
53 </div>
54 </div>
55 </div>
56 </div>
57 </div>
58 </div>
59 </div>
60 </div>
61 </div>
62 </div>
63 </div>
64 </div>
```

## API Integration:

**1. Sanity API Fetching Logic:** Since you're using Sanity CMS, you need to ensure data fetching is properly managed.

- **Sanity Client Setup** (if not already set up): In your `lib` folder, configure the Sanity client:



```
1 NEXT_PUBLIC_SANITY_PROJECT_ID="f6000000"
2 NEXT_PUBLIC_SANITY_DATASET="production"
3 SANITY_API_TOKEN="skGRdt13449PskQrYbWVqTl155xExgt4v1n4SetWAfi5LfphNxt6V2a6zigLBrsAOyXGimQJFmB3qt1JzD68D0"
4
```

## Fetching Data in `useEffect`:

```
src > app > Products > page.tsx > ProductCards
28  const ProductCards: React.FC = () => {
32    const fetchProducts = async () => {
49      } catch (error) {
50        console.error("Error Fetching Products:", error);
51      }
52    }
53  };
54
55  const addToCart = (product: Product) => {
56    setCart((prevCart) => [...prevCart, product]);
57    alert(`${product.title} has been added to your cart!`);
58  };
59
60
61  function truncateDescription(description: string): React.ReactNode | Iterable<React.ReactNode> {
62    throw new Error("Function not implemented.");
63  }
64  useEffect(() => {
65    fetchProducts();
66  }, []);
67
68
69
70  return (
71    <div className="p-4">
72      <h2 className="text-center text-slate-800 mt-4 mb-2">Products from API's Data</h2>
73
74      <div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4 gap-6">
75        {products.map((product) => (
76          <div
77            key={product._id}
78            className="g-white shadow-md rounded-l gap-4 hover:shadow-lg transition-shadow du
79
80          <Image
```

## Dynamic Routing:

Dynamic routing is used to handle routes like `/shop/:id` for individual product pages.

### 1. Create Dynamic Route File:

In the `pages` directory, create a `[id].tsx` file inside the `shop` folder:

```
pages/shop/[id].tsx
```

## Get Products Data Dynamically:



### SChicken Wings

\$16

[View Product](#)



### Salat

\$16

[View Product](#)

Activate Windows  
Go to Settings to activate Wind

localhost:3000/shop/11

Our Product Detail

Home > Shop

In Stock

Chicken wings

At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat

30

★★★★★ 5 Rating 50 Review

- 1 +

Add to cart

Add to Wishlist

Compare

Activate Windows  
Go to Settings to activate Windows;



```
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10
11 11
12 12
13 13
14 14
15 15
16 16
17 17
18 18
19 19
20 20

src
├── app
│   ├── products
│   ├── shop
│   ├── shoppingcart
│   ├── signin
│   ├── signup
│   └── studio [tool]
├── page.tsx
├── favicon.ico
├── globals.css
├── layout.tsx
├── page.tsx
├── components
├── lib
├── sanity
├── lib
└── schemaTypes

page.tsx
import { NextStudio } from 'next-sanity/studio'
import config from '../../sanity.config'

export const dynamic = 'force-static'

export { metadata, viewport } from 'next-sanity/studio'

export default function StudioPage() {
  return <NextStudio config={config} />
}
```

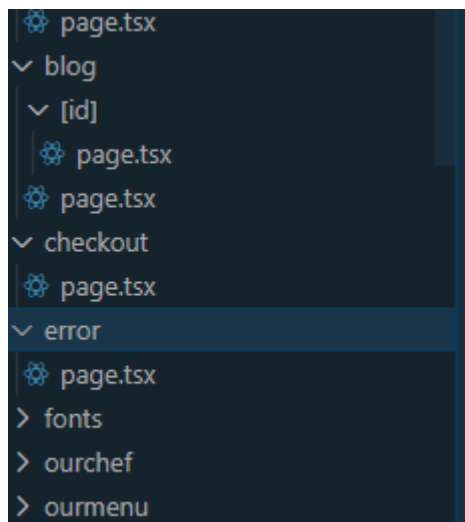
```
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10
11 11
12 12
13 13
14 14
15 15
16 16
17 17
18 18
19 19
20 20
21 21
22 22
23 23
24 24
25 25
26 26
27 27
28 28
29 29
30 30
31 31
32 32
33 33
34 34
35 35

> .next
> Data
> node_modules
> public
> scripts
> JS data-migration.mjs
> src
├── app
│   ├── aboutus
│   ├── blog
│   ├── checkout
│   ├── error
│   ├── fonts
│   ├── ourchef
│   ├── ourmenu
│   ├── Products
│   ├── page.tsx
│   ├── shop
│   ├── shoppingcart
│   ├── signin
│   ├── signup
│   ├── studio
│   ├── favicon.ico
│   ├── globals.css
│   ├── layout.tsx
│   ├── page.tsx
│   ├── components
│   ├── lib
├── OUTLINE
└── TIMELINE

page.tsx
import ActiveProcess from "@components/layout/Activeprocess";
import Bestfoodyproduct from "@components/layout/Bestfoodyproduct";
import Blog from "@components/layout/Blog";
import Chefs from "@components/layout/Chefs";
import Foodcatr from "@components/layout/Foodcatr";

import HeroSection from "@components/layout/Hero";
import Nav from "@components/layout/Nav";
import Ourmenu from "@components/layout/Ourmenu";
import Review from "@components/layout/Review";
import Testi from "@components/layout/Testi";
import Whyus from "@components/layout/Whyus";
import ProductCards from "../Products/page";

export default function Home() {
  return (
    <div className="bg-blackkk">
      { /* <head>
        <link
          href="https://fonts.googleapis.com/css2?family=GreatVibes&display=swap"
          rel="stylesheet"
        />
      </head> */ }
      <Nav/>
      <HeroSection/>
      <Bestfoodyproduct/>
      <Foodcatr/>
      <Whyus/>
      <Review/>
      <Ourmenu/>
      <ProductCards/>
      <Chefs/>
      <Testi/>
      <ActiveProcess/>
    </div>
  )
}
```



### **Final CheckList**

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