

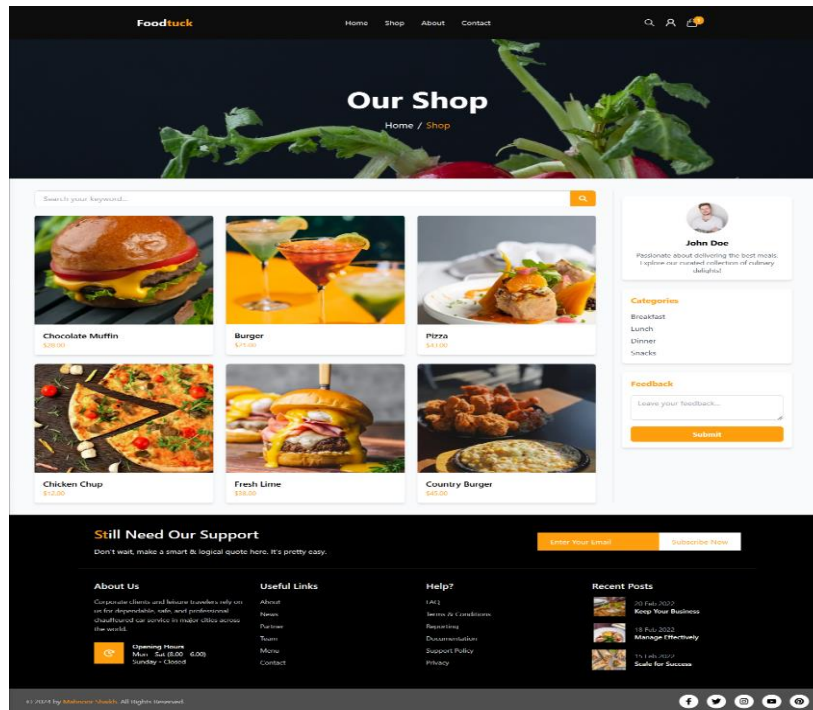
Mahnoor Shaikh
00070019
Sunday, 9 to 12am

Day 4 - Dynamic Frontend Components – FoodTuck Website

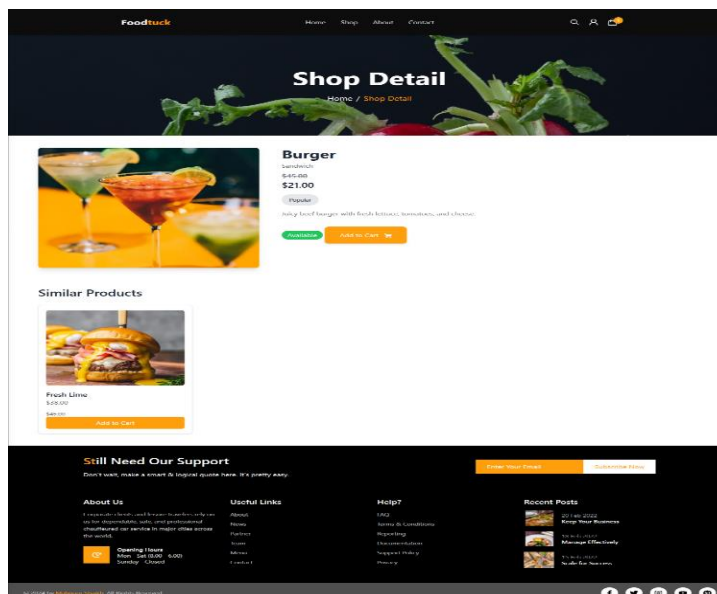
1. Functional Deliverables:

Screenshot of:

Product Listing Component



Product Detail Component:



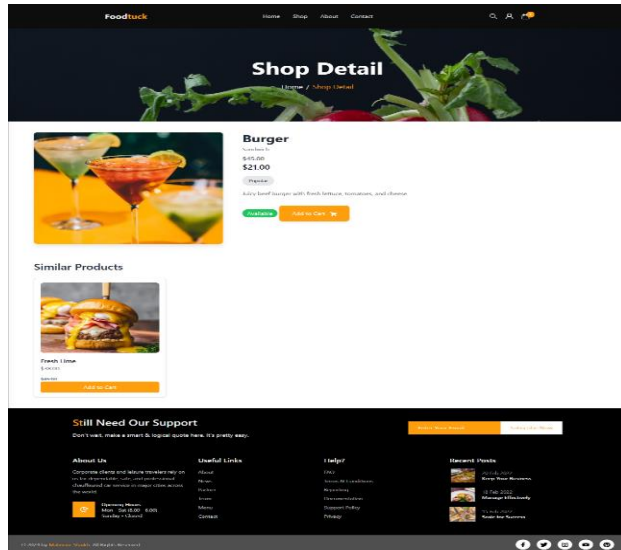
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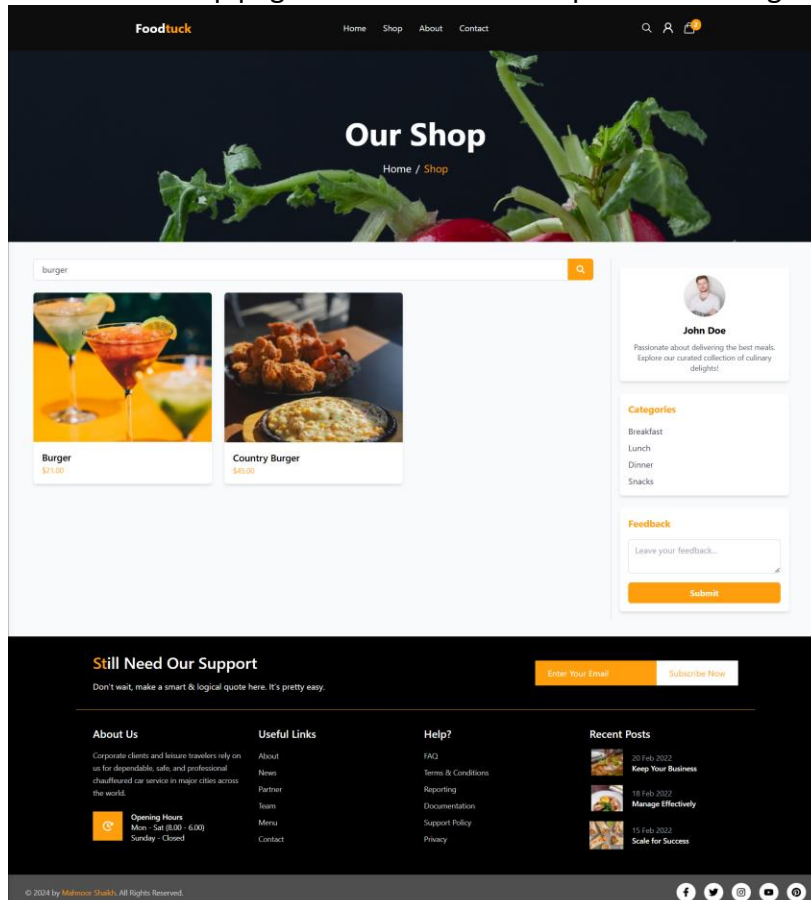
Similar Products:

. Find this similar products by same tags through API.



Search Bar:

This is from Shop page where user can find products through Search Bar.

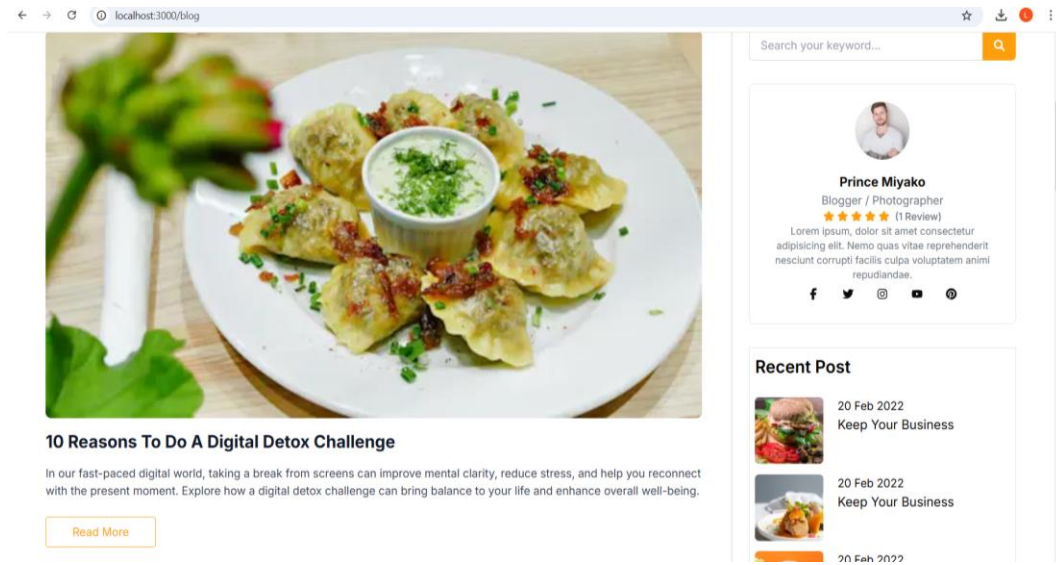


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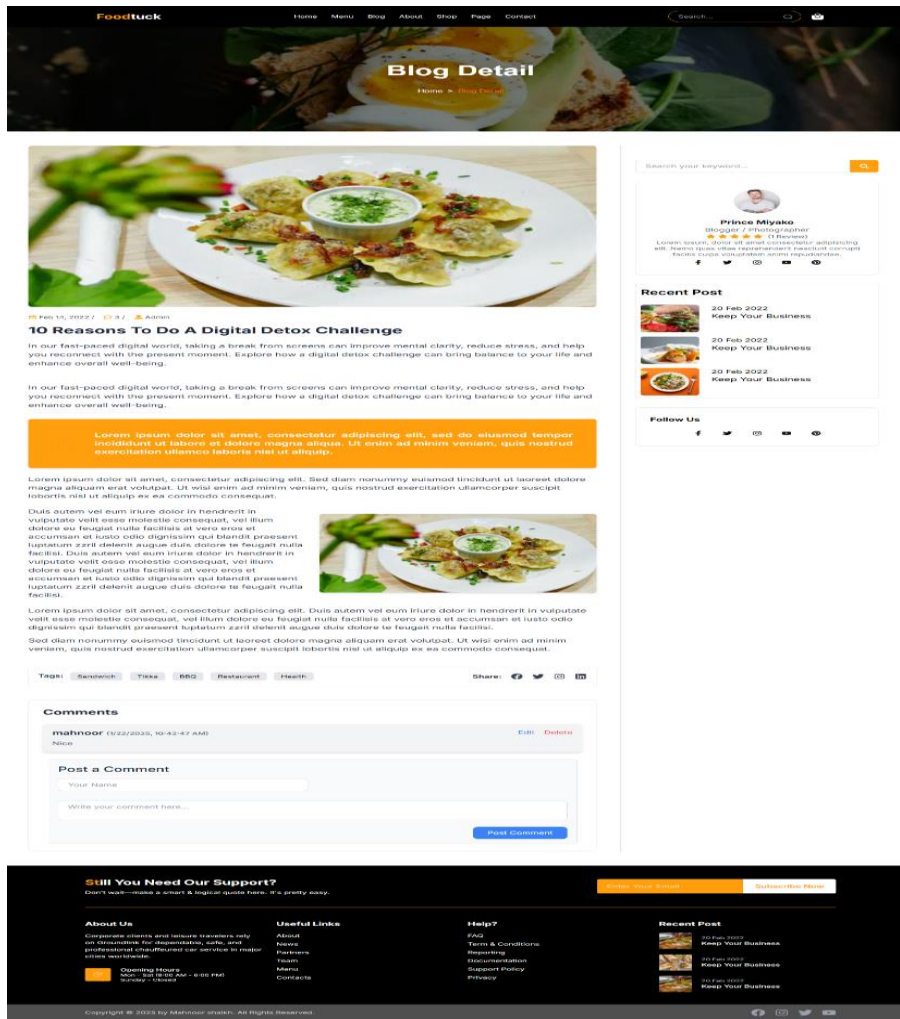
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Blog page (Dynamic Routes):



Blog Detail Page with comment section:



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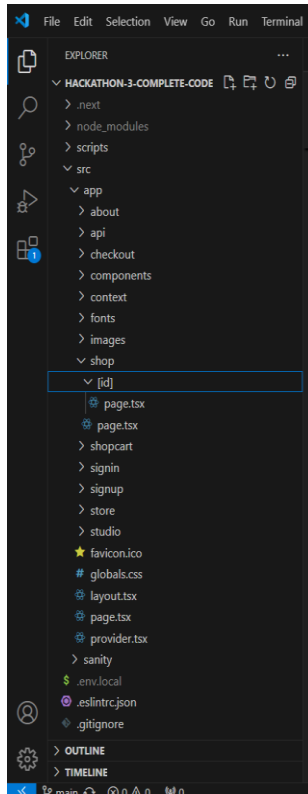
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2. Code Deliverables:

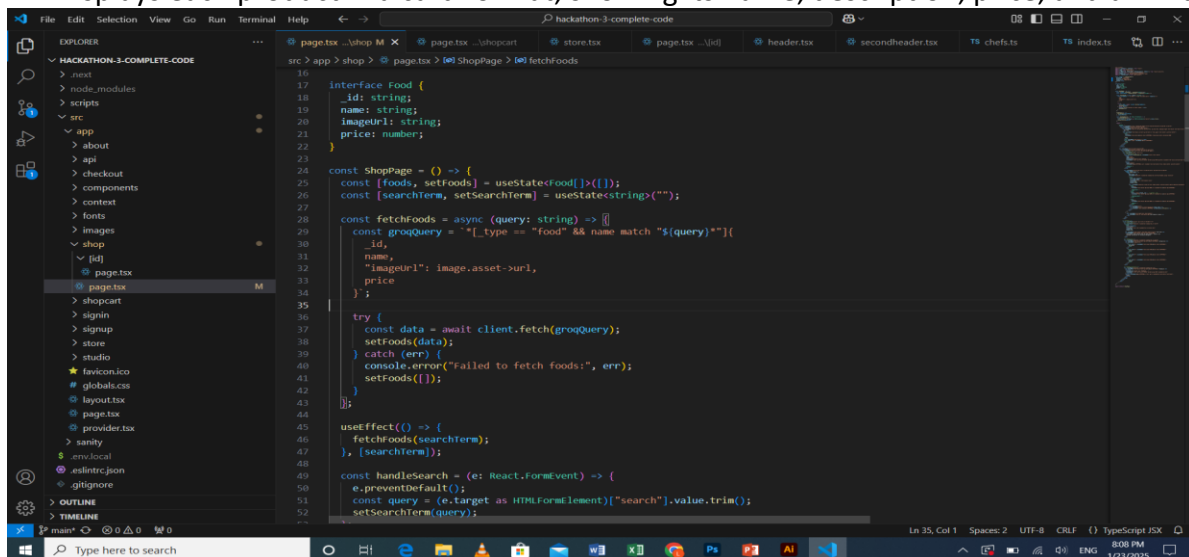
(Dynamic Routes):

File Structure:



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, and an image.

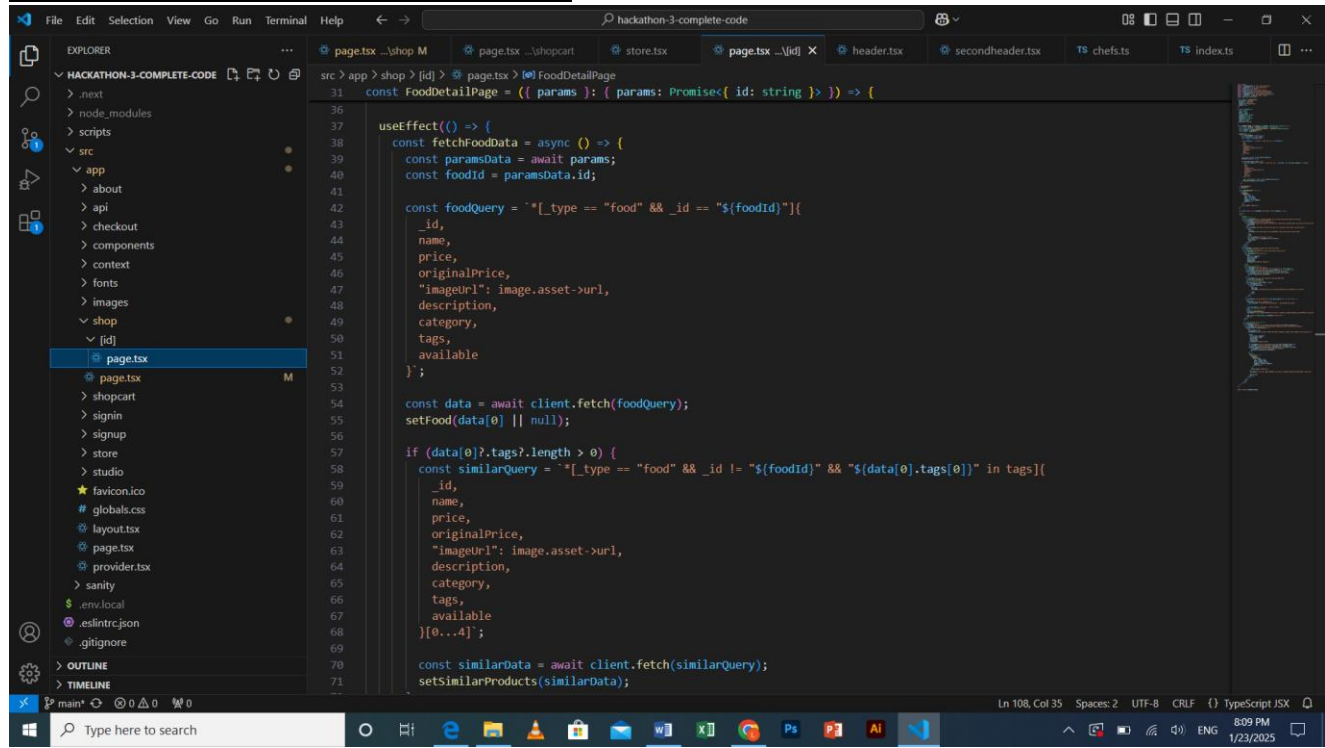


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Product Detail with similar product:

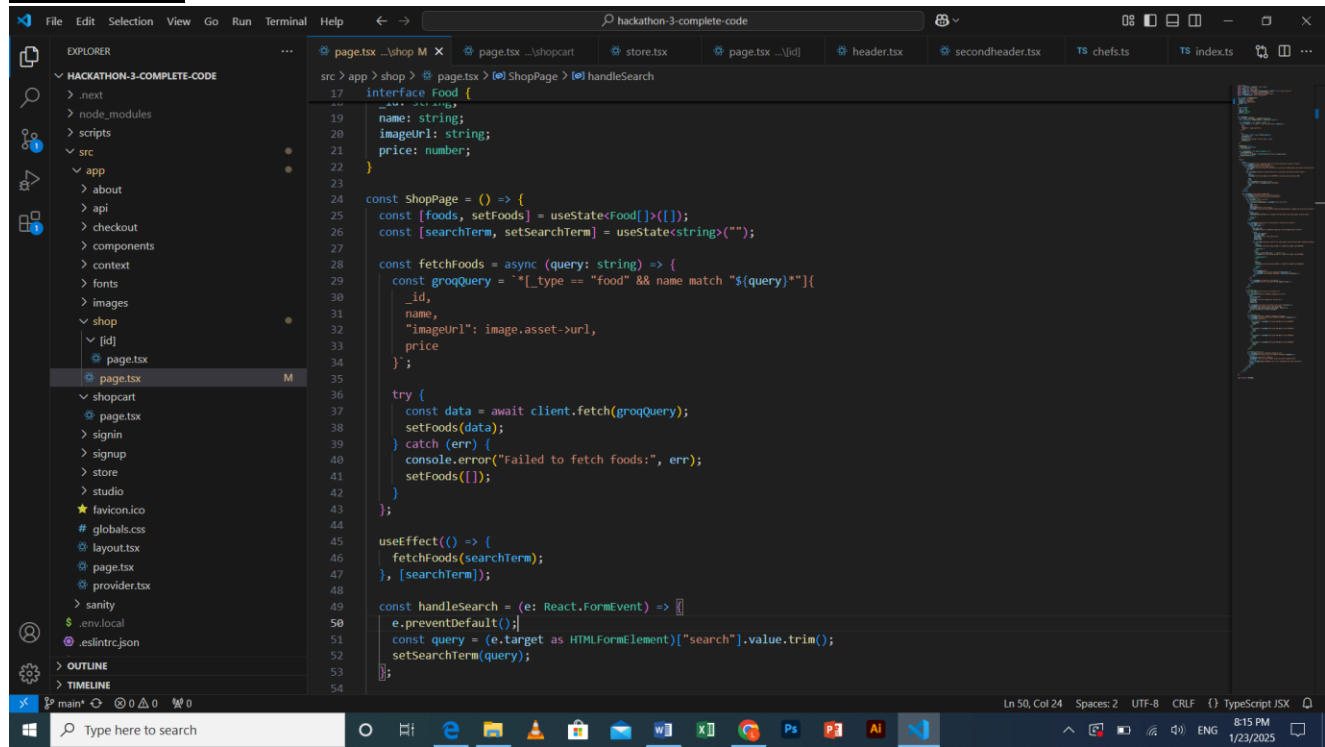


The screenshot shows a VS Code editor with the file explorer on the left displaying the project structure. The main editor window shows the code for `FoodDetailPage` in `page.tsx`. The code includes a `const FoodDetailPage` function that takes `params` as an argument. It uses `useEffect` to fetch food data and similar products. The `fetchFoodData` function is an async function that fetches data from the API based on the `params`. The `similarQuery` is constructed based on the `tags` of the fetched food data. The `similarData` is then fetched and passed to `setSimilarProducts`.

```
src > app > shop > [id] > page.tsx > FoodDetailPage
31 const FoodDetailPage = ({ params }: { params: Promise<{ id: string }> }) => {
36
37   useEffect(() => {
38     const fetchFoodData = async () => {
39       const paramsData = await params;
40       const foodId = paramsData.id;
41
42       const foodQuery = `[_type == "food" && _id == "${foodId}"]{
43         _id,
44         name,
45         price,
46         originalPrice,
47         "imageUrl": image.asset->url,
48         description,
49         category,
50         tags,
51         available
52       }`;
53
54       const data = await client.fetch(foodQuery);
55       setFood(data[0] || null);
56
57       if (data[0]?.tags?.length > 0) {
58         const similarQuery = `[_type == "food" && _id != "${foodId}" && "${data[0].tags[0]}" in tags]{
59           _id,
60           name,
61           price,
62           originalPrice,
63           "imageUrl": image.asset->url,
64           description,
65           category,
66           tags,
67           available
68         }[0...4]`;
69
70         const similarData = await client.fetch(similarQuery);
71         setSimilarProducts(similarData);

```

Search Bar:



The screenshot shows a VS Code editor with the file explorer on the left displaying the project structure. The main editor window shows the code for `ShopPage` in `page.tsx`. The code includes an `interface Food` with fields `name`, `imageUrl`, and `price`. The `ShopPage` function uses `useState` to manage `foods`, `setFoods`, `searchTerm`, and `setSearchTerm`. It uses `useEffect` to fetch foods based on the `searchTerm`. The `handleSearch` function is a `React.FormEvent` handler that prevents default behavior, gets the search term from the input, and calls `setSearchTerm`.

```
src > app > shop > page.tsx > ShopPage > handleSearch
17 interface Food {
18   name: string;
19   imageUrl: string;
20   price: number;
21 }
22
23 const ShopPage = () => {
24   const [foods, setFoods] = useState<Food[]>([]);
25   const [searchTerm, setSearchTerm] = useState<string>("");
26
27   const fetchFoods = async (query: string) => {
28     const groqQuery = `[_type == "food" && name match "${query}"]{
29       _id,
30       name,
31       "imageUrl": image.asset->url,
32       price
33     }`;
34
35     try {
36       const data = await client.fetch(groqQuery);
37       setFoods(data);
38     } catch (err) {
39       console.error("Failed to fetch foods:", err);
40       setFoods([]);
41     }
42   };
43
44   useEffect(() => {
45     fetchFoods(searchTerm);
46   }, [searchTerm]);
47
48   const handleSearch = (e: React.FormEvent) => {
49     e.preventDefault();
50     const query = (e.target as HTMLFormElement)["search"].value.trim();
51     setSearchTerm(query);
52   };
53
54   return (

```