Day 4 - Dynamic Frontend Components – Foods

Overview:

This document explains the main features of the Q-Commerce food website. The platform is designed to give users an easy and dynamic shopping experience, with features like search, dynamic routing for product pages, an add-to-cart system, and category-based filtering.

Key Functionalities:

1. Search Functionality

The search feature helps users quickly find specific food items by name or keywords. It provides a smooth experience with the following features:

- Real-time Search: Users get instant results as they type in the search bar.
- **Keyword Matching:** The search matches what users type with product names and tags.
- Responsive Design: The search bar works on all devices, including mobile, tablet, and desktop.

Implementation Details:

- The search query is handled on the client side using JavaScript and filters the product data dynamically.
- Suggestions or results are shown in a dropdown or a separate search results page.

2. Dynamic Routing for Product Detail Pages

Each product on the website has its own detail page, which can be accessed through dynamic routing. This feature gives users detailed information about each food item.

Key Features:

- **Dynamic URLs**: URLs are created automatically using product IDs or slugs for better SEO.
- Product Details: The page shows:
 - Product name
 - Description

- Price
- Available sizes or portions
- Images
- Stock Status

Implementation Details:

- Built with Next.js dynamic routing to create pages on the go.
- Product data is fetched from a headless CMS (like Sanity) or an API.

3. Category Filter with Checkboxes

Category-based filtering lets users narrow down their search and browse items by specific categories.

Key Features:

- Dynamic Categories: Categories are loaded automatically from the CMS or API.
- Multi-Select Checkboxes: Users can choose multiple categories at once to see relevant items.
- Real-Time Filtering: The product grid updates instantly based on the selected categories.

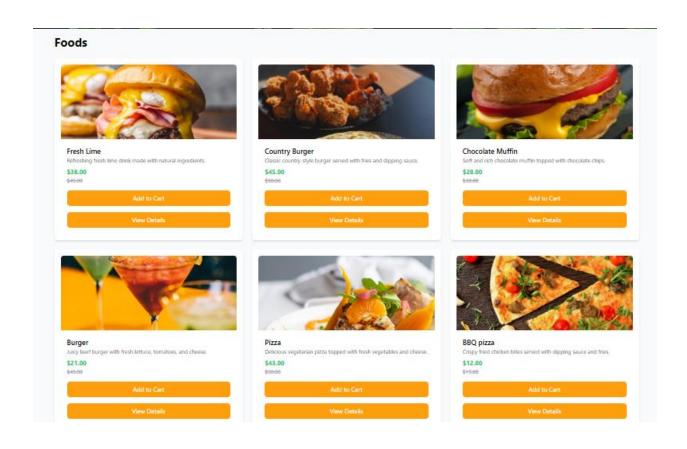
Implementation Details:

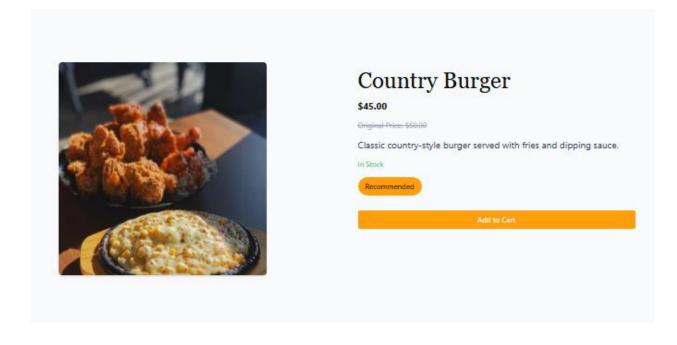
- Filters are created using React state and checkbox inputs.
- Products are filtered by matching their category tags with the categories selected by the user.

Conclusion:

The Q-Commerce food website is built to offer a smooth and easy-to-use experience. With features like a search bar, dynamic product pages, add-to-cart functionality, and category filters, the platform is efficient and scalable. Future improvements could include advanced filters, a wishlist feature, and personalized recommendations to make the shopping experience even better.

SUMAIR KHAN





Foodtuck

Home Menu Blog Our Chefs About Our Food Contact





