

Day 4 - Dynamic Frontend Components- foods

Overview

This document outlines the key functionalities implemented in the Q-Commerce food website. The platform focuses on providing users with an efficient and dynamic shopping experience, integrating features such as search functionality, dynamic routing for product detail pages, an add-to-cart system, and category-based filtering.

Key Functionalities

1. Search Functionality

The search feature allows users to quickly find specific food items by name or relevant keywords. This functionality ensures a seamless user experience by enabling the following capabilities:

- *Real-time Search: Users receive instant results as they type in the search bar.*
- *Keyword Matching: The search algorithm matches user input with product names and tags.*
- *Responsive Design: The search bar is designed to work across all devices, ensuring accessibility on mobile, tablet, and desktop.*

Implementation Details:

- *The search query is processed on the client-side using JavaScript and dynamically filtered through the fetched product data.*
- *Suggestions or filtered results are displayed in a dropdown or a dedicated search results page.*
-

burger

Q

X

2

Search Results:

- 

Burger

Category: Sandwich

\$21
- 

Country Burger

Category: Burger

\$45



Pizza
\$43.00 \$50.00



Chicken Chup
\$12.00 \$15.00



Fresh Lime
\$38.00 \$45.00



Chocolate Muffin
\$28.00 \$30.00



Burger
\$21.00 \$45.00



Country Burger
\$45.00 \$50.00

2. Dynamic Routing for Product Detail Pages

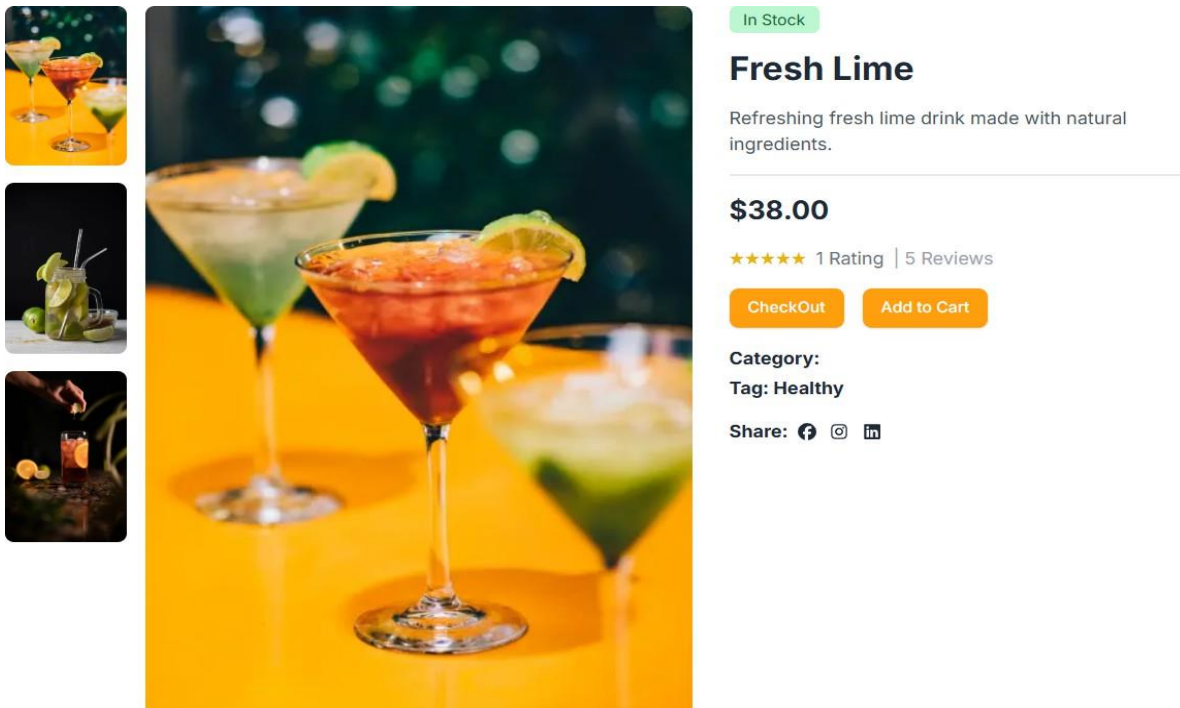
Each product on the website has a dedicated detail page accessible via dynamic routing. This functionality provides users with comprehensive information about individual food items.

Key Features:

- **Dynamic URLs:** URLs are generated dynamically using product IDs or slugs for SEO-friendly routing.
- **Product Details:** Information displayed includes:
 - **Product name**
 - **Description**
 - **Price**
 - **Available sizes or portions**
 - **Images**
 - **Stock status**

Implementation Details:

- **Built using Next.js dynamic routing to generate pages at runtime.**
- **Data for individual products is fetched from a headless CMS (e.g., Sanity) or an API.**



The image displays a product detail page for a drink named 'Fresh Lime'. On the left, there is a vertical strip of three small images: the top one shows two glasses of the drink, the middle one shows a glass with a straw and lime, and the bottom one shows a hand squeezing a lime. The main image is a large, vibrant shot of two glasses filled with a red-orange drink, garnished with lime slices, set against a bright yellow background. To the right of the images, the product name 'Fresh Lime' is prominently displayed in bold black text. Above it, a green 'In Stock' badge is visible. Below the name, a short description reads: 'Refreshing fresh lime drink made with natural ingredients.' The price '\$38.00' is shown in a large, bold font. Underneath the price, there is a rating section showing five stars, '1 Rating', and '5 Reviews'. Two orange buttons, 'CheckOut' and 'Add to Cart', are positioned below the rating. Further down, the category 'Category:' is listed, followed by the tag 'Tag: Healthy'. At the bottom, a 'Share:' section includes icons for Facebook, Instagram, and LinkedIn.

In Stock

Fresh Lime

Refreshing fresh lime drink made with natural ingredients.

\$38.00

★★★★★ 1 Rating | 5 Reviews

[CheckOut](#) [Add to Cart](#)

Category:

Tag: Healthy

Share: [f](#) [@](#) [in](#)

4. Category Filter with Checkboxes

Category-based filtering allows users to refine their search and browse items by specific categories.

Key Features:

- **Dynamic Categories:** Categories are fetched dynamically from the CMS or API.
- **Multi-Select Checkboxes:** Users can select multiple categories simultaneously to view relevant items.
- **Real-Time Filtering:** The product grid updates immediately based on the selected categories.

Implementation Details:

- Filters are implemented using a combination of React state and checkbox inputs.
- Products are dynamically filtered by matching their category tags with user-selected options.



Chicken Chup
\$12.00 ~~\$15.00~~



Country Burger
\$45.00 ~~\$50.00~~

Category

☐ Sandwich





☒ Burger

☒ Chicken Chup

☐ Drink

☐ Pizza

Latest Products

Product	Price	Quantity	Total	Remove
 Burger	\$21	<input type="button" value="-"/> <input type="text" value="2"/> <input type="button" value="+"/>	\$42.0	<input type="button" value="x"/>
 Chicken Chup	\$12	<input type="button" value="-"/> <input type="text" value="1"/> <input type="button" value="+"/>	\$12.0	<input type="button" value="x"/>
 Country Burger	\$45	<input type="button" value="-"/> <input type="text" value="4"/> <input type="button" value="+"/>	\$180.0	<input type="button" value="x"/>
 Pizza	\$43	<input type="button" value="-"/> <input type="text" value="1"/> <input type="button" value="+"/>	\$43.0	<input type="button" value="x"/>

Coupon Code

Cart Subtotal	\$277
Shipping Charges	\$00.00
Total Amount	\$277

Shipping Address

First name

Last name

Email

Phone

Company

Choose country

City

Zip code

Address 1

Address 2

Billing Address

☐ Same as shipping address

Order Summary



Burger
150 gm net
2

\$21



Chicken Chup
150 gm net
1

\$12



Country Burger
150 gm net
4

\$45



Pizza
150 gm net
1

\$43

Sub-total	\$277
Shipping	Free
Discount	25%
Tax	\$54.76

Total **\$277**

Conclusion

The Q-Commerce food website's functionalities are designed to provide a seamless, user-friendly experience. By integrating features such as a search bar, dynamic product pages, add-to-cart functionality, and category filters, the platform ensures efficiency and scalability. Future enhancements could include advanced filtering options, wishlist functionality, and personalized recommendations to further enhance the shopping experience.

Final CheckList

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