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

- o Price
- o Available sizes or portions
- o Images
- o 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

Foods

Fresh Lime
Refreshing fresh lime drink made with natural ingredients.
$38.00
$45.00

Add to Cart

View Details

Country Burger
Classic country-style burger served with fries and dipping sauce.
$45.00
$50.00

Add to Cart

View Details

Chocolate Muffin
Soft and rich chocolate muffin topped with chocolate chips.
$28.00
$38.00

Add to Cart

View Details

Burger
Juicy beef burger with fresh lettuce, tomatoes, and cheese.
$21.00
$45.00

Add to Cart

View Details

Pizza
Delicious vegetarian pizza topped with fresh vegetables and cheese.
$43.00
$50.00

Add to Cart

View Details

BBQ pizza
Crispy fried chicken bites served with dipping sauce and fries.
$12.00
$15.00

Add to Cart

View Details

Country Burger

$45.00

Original Price: $50.00

Classic country-style burger served with fries and dipping sauce.

In Stock

Recommended

Add to Cart

Your Cart

Fresh Lime			
Price: $38.00			
- 1 +		$38	Remove
Country Burger			
Price: $45.00			
- 1 +		$45	Remove
Chocolate Muffin			
Price: $28.00			
- 1 +		$28	Remove
Burger			
Price: $21.00			
- 1 +		$21	Remove
Pizza			
Price: $43.00			
- 1 +		$43	Remove
BBQ pizza			
Price: $12.00			
- 1 +		$12	Remove

Total: $187.00   Proceed to Checkout

Shipping Address

First name	Last name
Email address	Phone number
Company	Choose country ⌄
City	Zip code

Address 1

Address 2

Submit

After completing the order, the product will be delivered to your address within 1-2 hours. Currently, only cash on delivery is available. In the future, we will add more payment methods ASAP.

Order Summary

Fresh Lime	Fresh Lime Quantity: 1	$38
Country Burger	Country Burger Quantity: 1	$45
Chocolat Muffin	Chocolate Muffin Quantity: 1	$28
Burger	Burger Quantity: 1	$21
Pizza	Pizza Quantity: 1	$43
BBQ pizza	BBQ pizza Quantity: 1	$12

Subtotal:	$187
Delivery Charges:	Free Delivery
Total:	**$187**