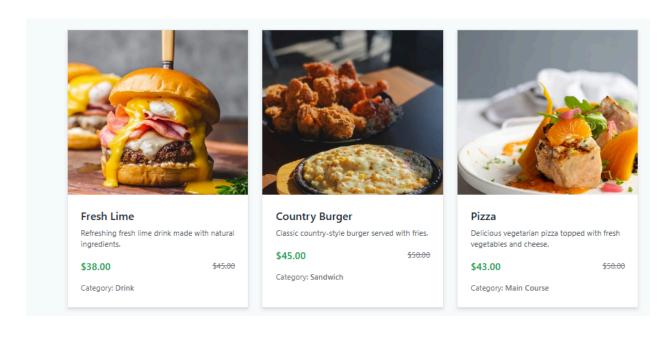
# Hackathon 3 DAY 4 - BUILDING DYNAMIC FRONTEND COMPONENTS FOR YOUR MARKETPLACE

# 1. Product Listing Component: Render product data dynamically in a grid layout.

PREPARED BY AMEEN ALAM 4 DAY 4
BUILDING DYNAMIC FRONTEND COMPONENTS FOR YOUR
MARKETPLACE

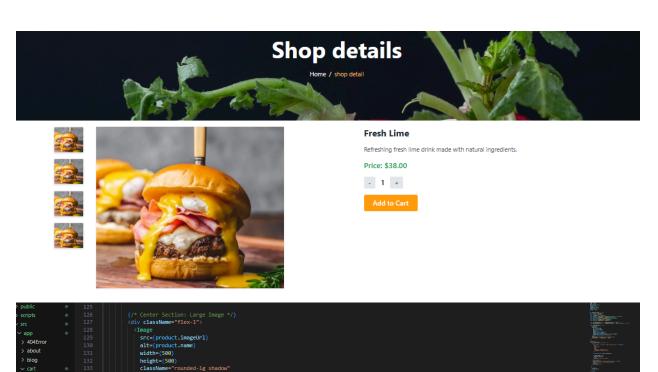
- o Product Name
- o Price
- o Image
- o Stock Status



## 2. Product Detail Component:

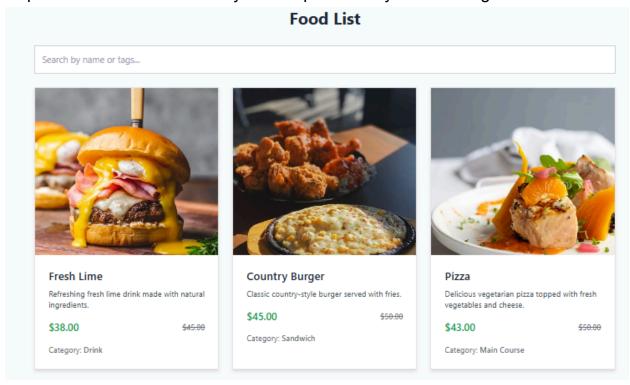
Create individual product detail pages using dynamic routing in Next.js. Include detailed fields such as:

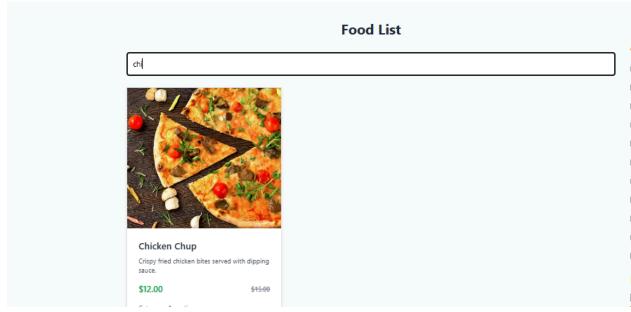
- o Product Description
- o Price



## 3. Search Bar:

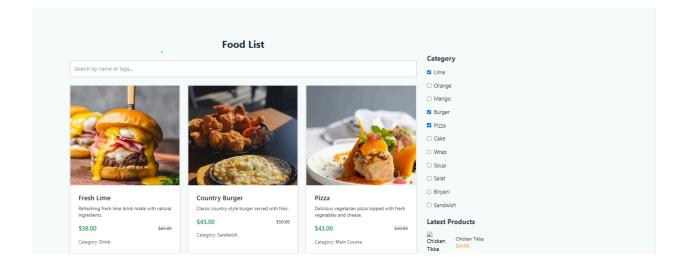
Implement search functionality to filter products by name or tags





## 4: Categories:

Enable filtering of products by selected categories

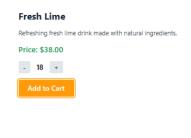


# 5. Cart Component:

Display added items, quantity, and total price.

Use state management for tracking cart items





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| Second State | Seco
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## **Checkout Flow Component:**





# Final Thoughts: Laying the Foundation for a Scalable E-Commerce Platform

By the end of Day 4, we have successfully laid the groundwork for a future-ready, feature-rich Q-commerce platform. Our focus has been on creating a seamless, real-time shopping experience by integrating essential marketplace components. Here's what we have accomplished so far:

### 1. Dynamic Product Listing

We have developed a fully functional product listing page that dynamically fetches data from Sanity CMS or APIs. This ensures that customers always have access to the latest offerings with real-time updates.

## 2. Dedicated Product Detail Pages

Each product now has its own dedicated page, dynamically generated using Next.js routing. These pages are optimized for SEO and provide in-depth details, including product descriptions, pricing, and customizable options like sizes and colors—all managed via Sanity CMS.

## 3. Advanced Category Filtering

We have implemented an intuitive category filtering system, allowing users to refine their searches effortlessly. The categories are dynamically managed from Sanity, making it easy to scale and adapt the platform.

## 4. Powerful Search Functionality

Our newly integrated search bar enables users to find products quickly using names or tags. With real-time search suggestions, the feature enhances discoverability and ensures smooth navigation, even with a vast product catalog.

#### 5. Responsive & Aesthetic Design

Every component has been designed with responsiveness in mind, ensuring a visually appealing and fully functional interface across various devices. The platform maintains a professional look and seamless accessibility, regardless of how users interact with it.

### The Road Ahead

This foundational work sets the stage for a dynamic and scalable e-commerce experience. With Next.js and Sanity CMS at the core, we are well-positioned to refine the user experience, optimize performance, and introduce more advanced features in the coming days. The journey towards building a robust, user-centric Q-commerce platform has just begun!