

## Motive of Day 4

The goal for Day 4 is to focus on designing and developing dynamic frontend components for our marketplace. These components will fetch data from Sanity CMS or APIs and render it dynamically on the frontend. The task will emphasize modular design, reusability, and the implementation of state management to ensure scalability and performance.

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## Key Components to Build and Explanation

### 1. Product Listing Component

The Product Listing Component is designed to dynamically display products in a grid layout. It includes product details such as product name, price, image, and stock status, making it easy for users to browse products. This component is reusable for different product categories.



Fresh Lime  
\$22.00



Chocolate Muffin  
\$18.00

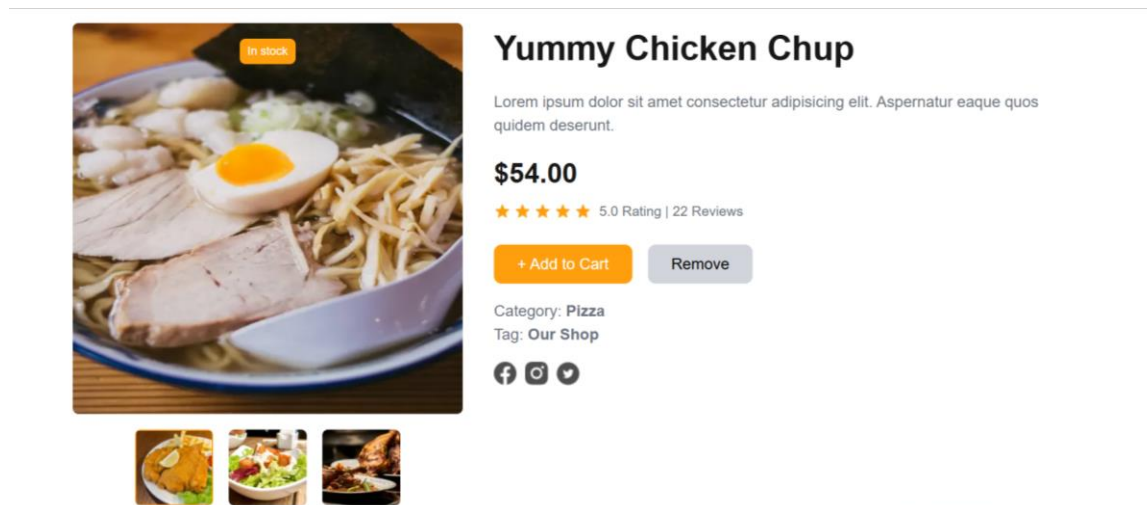


Burger  
\$35.00



### 2.Product Detail Component

The Product Detail Component allows individual product details to be displayed using dynamic routing in Next.js. Each product has a dedicated page with comprehensive information like product description, available sizes, and price.



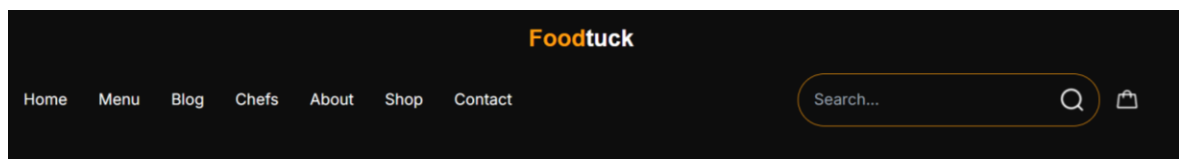
### 3.Category Component

The Category Component dynamically fetches product categories and allows filtering. Users can select categories to view relevant products, streamlining their browsing experience.





### 4.Search Bar

A search bar is implemented to enable users to filter products by name or tags. As the user types, the search results are updated dynamically to reflect the search query.



## 5.Cart Component

The Cart Component displays the products that users add to their cart, including the quantity and total price. It uses state management to track items in the cart.

Product	Price	Quantity	Total	Remove
 Country Burger	\$45	- 1 +	\$45	×
 Pizza	\$43	- 1 +	\$43	×

## 6.Checkout Flow Component

A multi-step form for checkout has been created, which includes fields for billing and shipping addresses, as well as mock payment details.

### Shipping Address

First Name

Email

Company

City

Address 1

Billing Address

☐ Same as shipping address

Back to cart

Last Name

Phone Number


Zip Code


Country


Select your country

Address 2

Proceed to shipping

 Chicken Tikka Kabab  
150 gm net  
50\$

 Chicken Tikka Kabab  
150 gm net  
50\$

 Chicken Tikka Kabab  
150 gm net  
50\$

Sub-total

Shipping

Discount

Tax

Total

130\$

Free

25%

54.76\$

432.65\$

Place an order

## Conclusion

By the end of Day 4, I successfully built several dynamic frontend components for the marketplace, such as product listings, product detail pages, search functionality, category filters, and more. These components are reusable, modular, and responsive, providing a professional and scalable solution for the marketplace. The project now reflects a functional marketplace with essential features.

## **Checklist for Day 4**

### **Frontend Component Development:**

✓ Completed

### **Styling and Responsiveness:**

✓ Ensured the UI is responsive across different devices

### **Code Quality:**

✓ Followed clean coding practices, and modular components were created

### **Documentation and Submission:**

✓ Documentation has been completed and submitted in PDF format

### **Final Review:**

✓ Project has been reviewed and is ready for submission

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