

4

Day

Document Title:

As Food Website

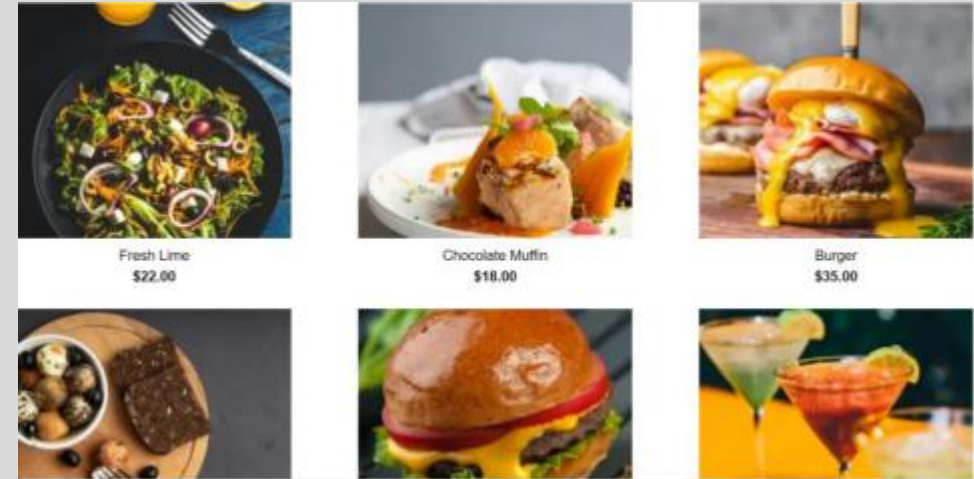
Dynamic Frontend Components



Motive for Day 4

The objective for Day 4 is to concentrate on designing and developing dynamic frontend components for our marketplace. These components will retrieve data from Sanity CMS or APIs and dynamically render it on the frontend. The focus will be on modular design, reusability, and implementing state management to guarantee scalability and optimize performance.

Key Components to Build and Explanation



1. Product Listing Component

The Product Listing Component will be created to display products dynamically in a grid format. It will show essential product details such as name, price, image, and stock status, providing users with an intuitive browsing experience. This component will be reusable across different product categories, ensuring consistency and efficiency.

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2. Product Detail Component

The Product Detail Component will enable the display of individual product information through dynamic routing in Next.js. Each product will have its own dedicated page showcasing detailed information, such as a product description, available sizes, and pricing. This will provide users with a rich, informative shopping experience.



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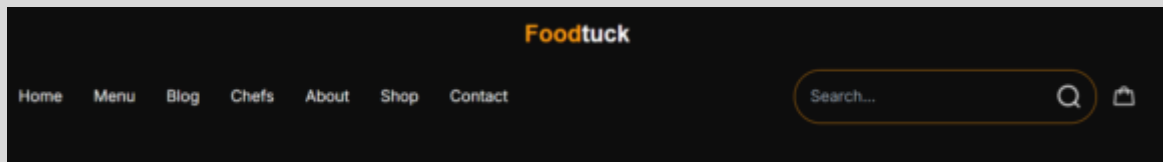
3. Category Component

The Category Component will dynamically retrieve product categories and offer filtering options. Users will be able to select specific categories to view relevant products, enhancing their browsing experience by making navigation more efficient.



4. Search Bar

The search bar will allow users to filter products based on name or tags. As users type, the search results will update dynamically in real-time to match the entered query, providing a quick and efficient search experience.







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5. Cart Component

The Cart Component will display the items users add to their cart, including the quantity and total price. It will utilize state management to accurately track and update the items in the cart, ensuring a smooth and up-to-date shopping experience.

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

6. Checkout Flow Component

A multi-step checkout form has been developed, featuring fields for both billing and shipping addresses, along with placeholder payment details for mock transactions.

Conclusion

By the end of Day 4, I successfully developed a range of dynamic frontend components for the marketplace, including product listings, product detail pages, search functionality, and category filters. These components are designed to be reusable, modular, and responsive, offering a scalable and professional solution for the marketplace. The project now showcases a fully functional marketplace with key features in place.





Checklist for Day 4

Frontend Component Development:

- ✓ Completed

Styling and Responsiveness:

- ✓ Ensured the UI is fully responsive across all devices

Code Quality:

- ✓ Maintained clean coding practices and created modular components

Documentation and Submission:

- ✓ Completed documentation and submitted in PDF format

Final Review:

- ✓ Project has been reviewed and is prepared for submission