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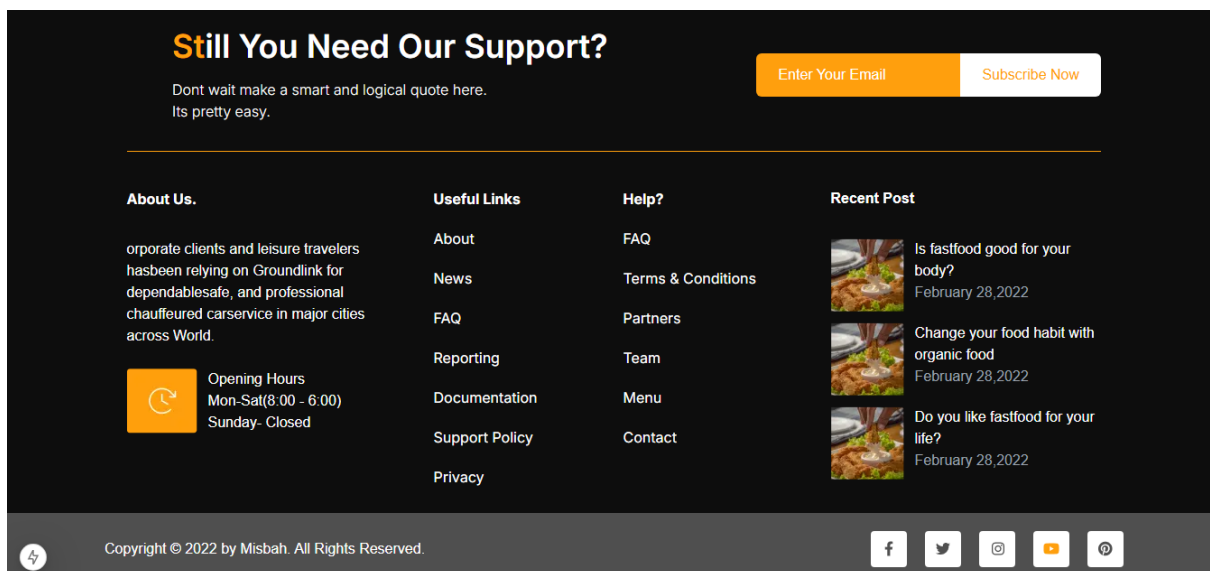
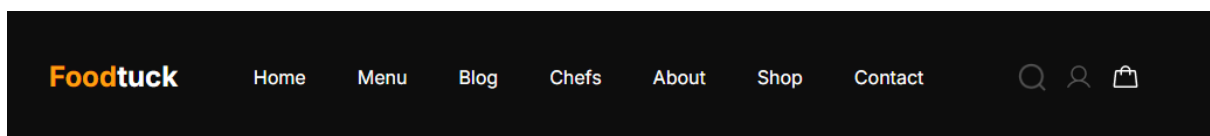
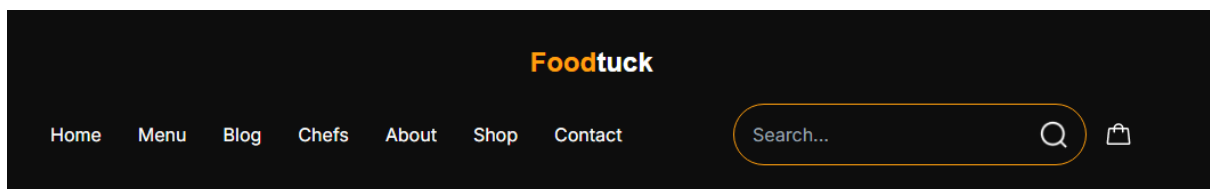
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Day 4: Building Dynamic Frontend Components for Your Marketplace

1. Steps Taken to Build and Integrate Components:

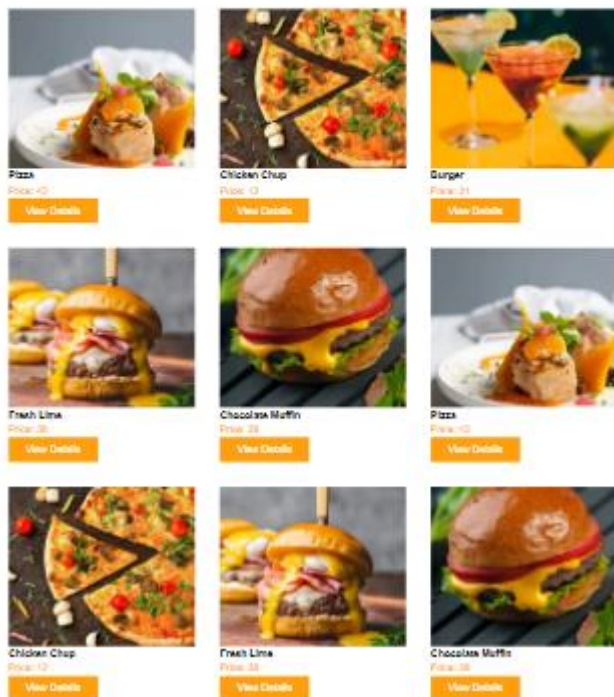
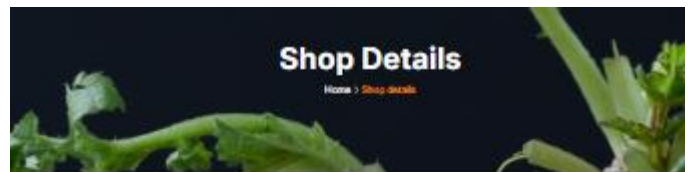
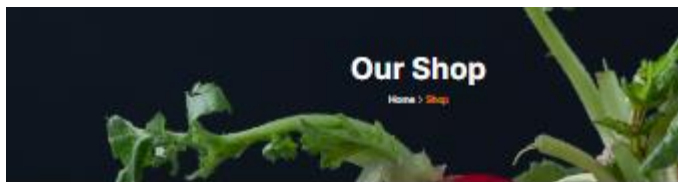
- Reusable Components Development:

Created three reusable components: Footer, Navbar, and Navigation. These components were structured to handle general UI requirements and maintain design consistency across the application. Incorporated Tailwind CSS to ensure uniform styling.



- **Modular Components Development:**

Built ProductDetail, ProductList, Cart, and Checkout components to implement specific features and functionality. Designed the ProductList component to display all available products, the ProductDetail component to show detailed product information, the Cart component to manage and display selected items and checkout components to display order summary and collect user information.



Product	Price	Quantity	Total	Remove
 Burger	\$21	- 1 +	\$21	X

Coupon Code

Enter coupon code to get amazing discount!

Enter your code

Apply

Total Bill

Cart Subtotal	\$21.00
Shipping Charges	\$0.00
Total Amount	\$21.00

Proceed to Checkout

2. Challenges Faced and Solutions Implemented

- **Achieving Functionalities:**

Encountered difficulties while implementing features such as dynamic data rendering and state management for the cart functionality. Errors arose during attempts to introduce new functionalities, often related to Redux Toolkit integration and event handling.

- **Solutions:**

I took assistance from ChatGPT and online resources such as YouTube tutorials to resolve issues effectively.

3. Best Practices Followed During Development

1. Employed reusable components to maintain consistency.
2. Utilized modular components to separate core functionalities and enhance maintainability.
3. Implemented Redux Toolkit to manage the application state efficiently, particularly for the add to cart feature.
4. Adopted Tailwind CSS for responsive, clean, and fast styling of components.