Day 4 - 🌟 Building Dynamic Frontend Components for Your Marketplace

📚 Student Information:

- 👤 Name: Riaz Hussain Saifi
- 📖 Status: Student
- 📋 Task Assigned By: Ameen Alam
- 🏫 Institute: GIAIC
- 📅 Submission Date: Today, 23 January 2025

🛒 Marketplace Information:

- 🏷️ Marketplace Category: Q-commerce (🍔 FoodTruck Restaurant Website)
- 📂 Template Used: Template 9

⚙️ Implemented Features:

🧩 Dynamic Frontend Components:

1. 🛍️ Shop Name Page:

- ○ **A dynamic page created using [id] routing.**
- ○ **Displays shop-specific 📊 information dynamically.**

1. 📦 **Products:**
   - ○ **All products are dynamically fetched from Sanity CMS.**
   - ○ **Each product includes details such as 🏷️ name, 💲 price, and 🟢 availability.**

🔧 State Management and Libraries:

1. **Each 🔄 router has separate 📁 folders and 📝 files for components to maintain modularity.**

1. 📚 Libraries used:

- ○ **✨ ShadCN: For prebuilt UI components.**
- ○ **🎨 React Icons: For visually appealing icons.**
- ○ **📌 Lucide React: For additional icon support.**

📱 Responsiveness:

- 🎨 **CSS Framework Used: Tailwind CSS**

- ⚙️ **Implementation: Tailwind CSS was utilized to ensure the website is fully responsive 📱💻 and works seamlessly on 📲 mobile devices, tablets, and 💻 desktops.**

🌟 **Additional Features Implemented:**

1. 🔍 **Search Bar:**
   - **Integrated a search bar for users to 🔎 filter products by name.**

1. 📊 **Price Filtering:**
   - **Users can filter products based on increasing or decreasing 💵 price, providing a better user experience.**

🚧 **Challenges Faced:**

1. **No major challenges were encountered as prior 🔄 practice helped in completing the task efficiently.**
2. ⏳ **Time was primarily spent on implementing the filtration functionality for the products.**

✅ **Conclusion:**

This project allowed me to implement key concepts of frontend development, including dynamic data handling, modular component design, and responsiveness using Tailwind CSS. It provided hands-on experience with real-world tools like Sanity CMS and modern React libraries, preparing me for professional workflows.

✍️ **Declaration:**

I hereby declare that the task has been completed as per the instructions provided and is ready for submission.

🖊️ Signature:

Riaz Hussain