REPORT : Day 4 - Dynamic Frontend Components for [Shop.co]

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💥 Dynamic Clothing E-commerce Website 💥

Welcome to the Dynamic Clothing E-commerce Website project, built for Hackathon 3 - Day 4 Challenge! 🚀 This project demonstrates a fully functional, responsive e-commerce platform created using **Next.js**, **TypeScript**, and **Sanity CMS**.

🚀 Project Overview

This is a dynamic e-commerce clothing website template that provides a seamless shopping experience. It includes essential features such as a home page, shop page, product details, cart, checkout, login, signup, and profile management. The dynamic content is powered by **Sanity CMS**, styled with **Tailwind CSS**, and optimized for performance.

✨ Features

- **Home Page**: A stylish landing page displaying featured products and categories.

- **Shop Page**: A dynamic page showcasing clothing items with filtering options (by price, type, and category).

- **Product Detail Page**: Detailed product information with images, descriptions, and pricing.

- **Cart**: Add, manage, and review items before purchasing.

- **Checkout Page**: A smooth checkout process to complete purchases.

- **Login**: Allows users to securely log in to their accounts. Users can access their saved favorite items, view past orders, and manage their account settings.

- **Signup**: Provides a user-friendly form for creating a new account. New users can sign up to track their orders, save favorite products, and manage their profile details.

- **Contact Page**: A form for customers to reach out to support.

- **Profile Page**: Manage user profile details.
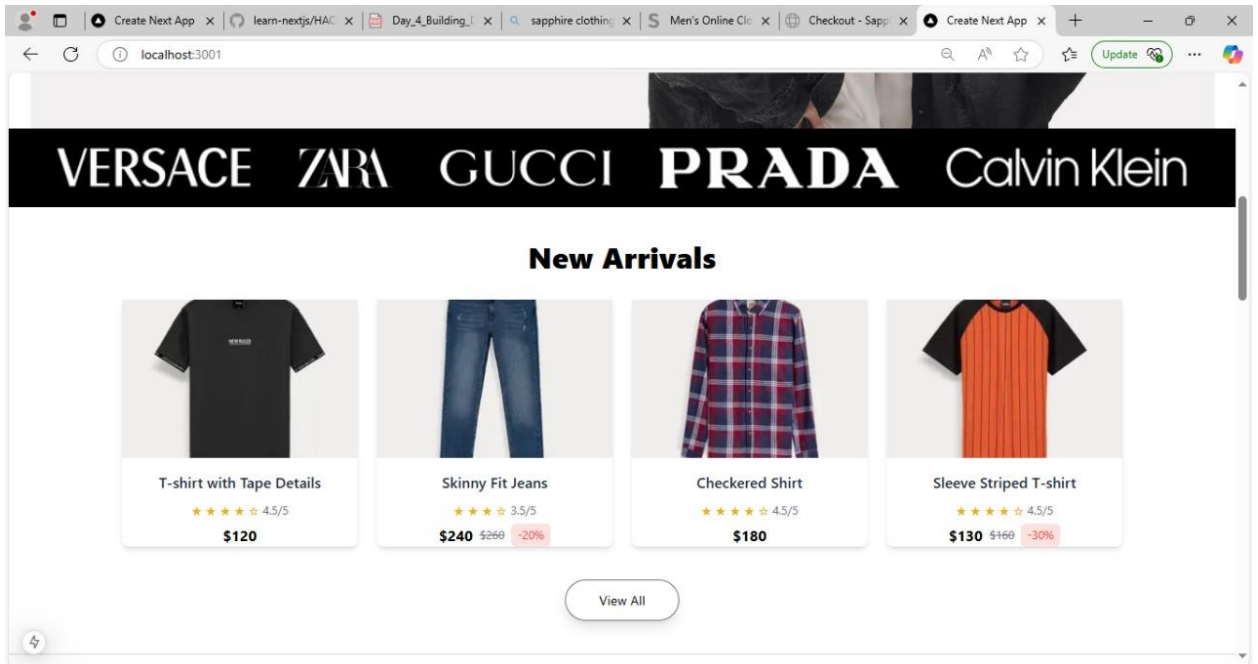
🔧 Technologies Used

Frontend:

- **Next.js**: Framework for building a high-performance and SEO-friendly application.

- **TypeScript**: Strongly typed JavaScript for better code quality.

- **React.js**: For building reusable components.

- **HTML & CSS**: For structure and styling.

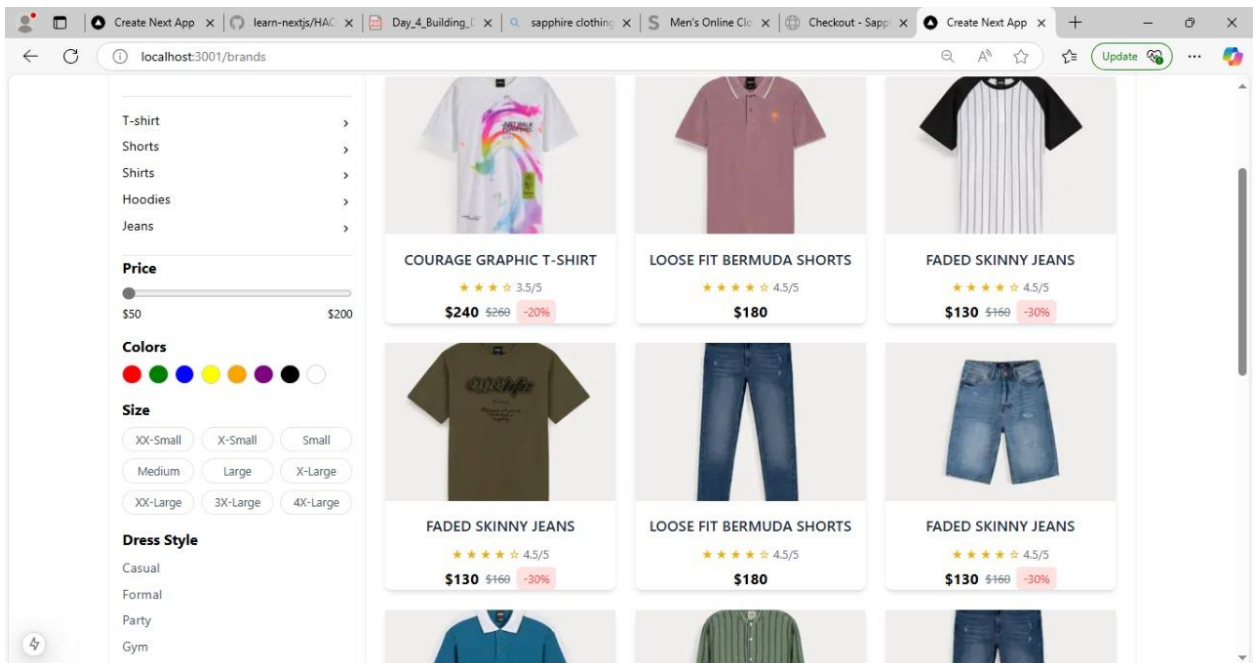- **Tailwind CSS**: Utility-first CSS framework for responsive design.

CMS:

- **Sanity CMS**: A headless CMS for managing dynamic content such as products, categories, and orders.
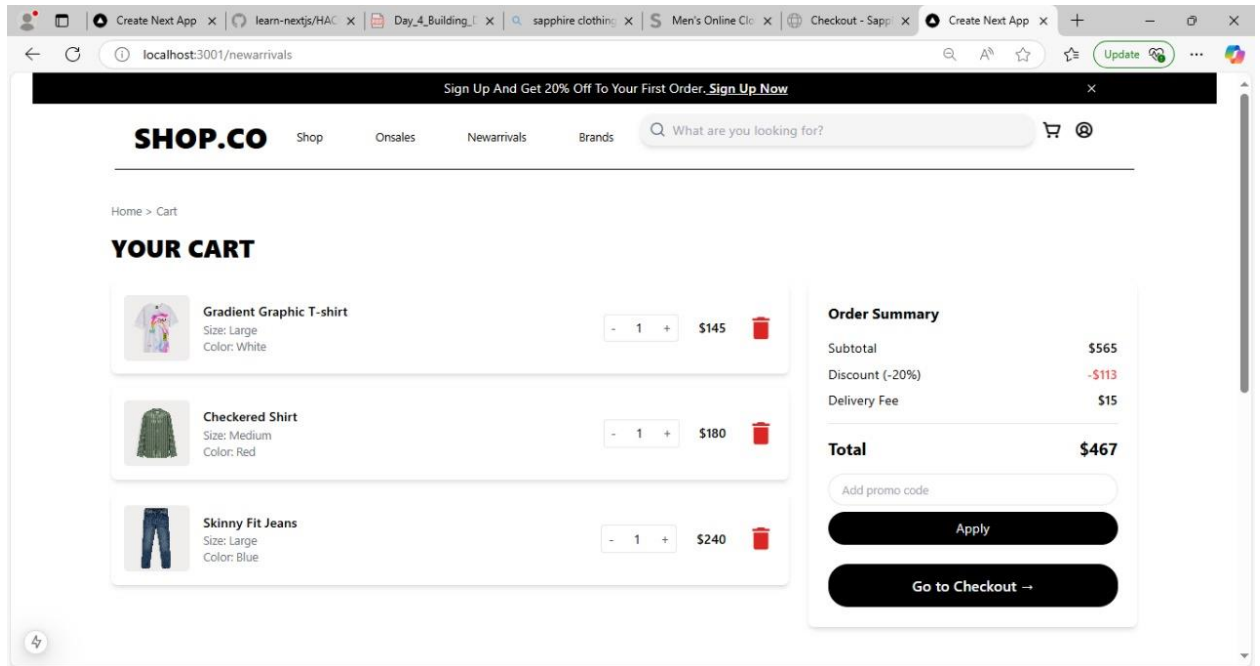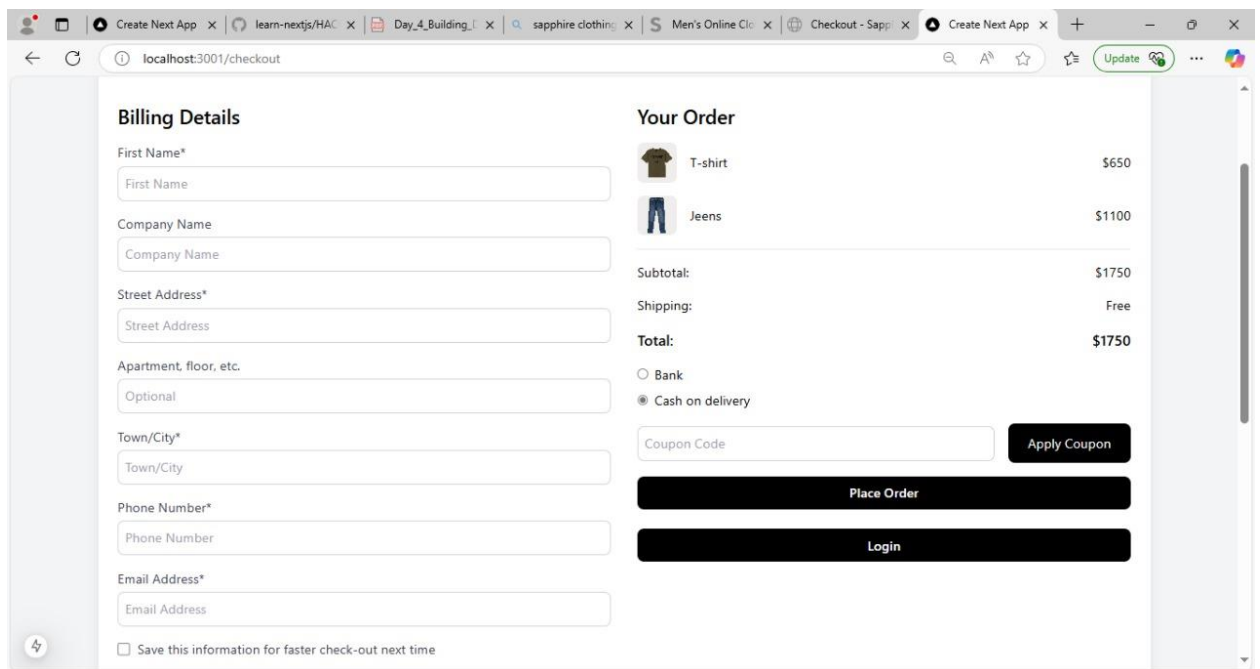
📷 **Screenshots**

- **Home Page**

- **All product**

- **Cart Page**

- **Checkout Page**

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- **Login**

- **Contact page**

- **Product Detail Page**

- **Signup**
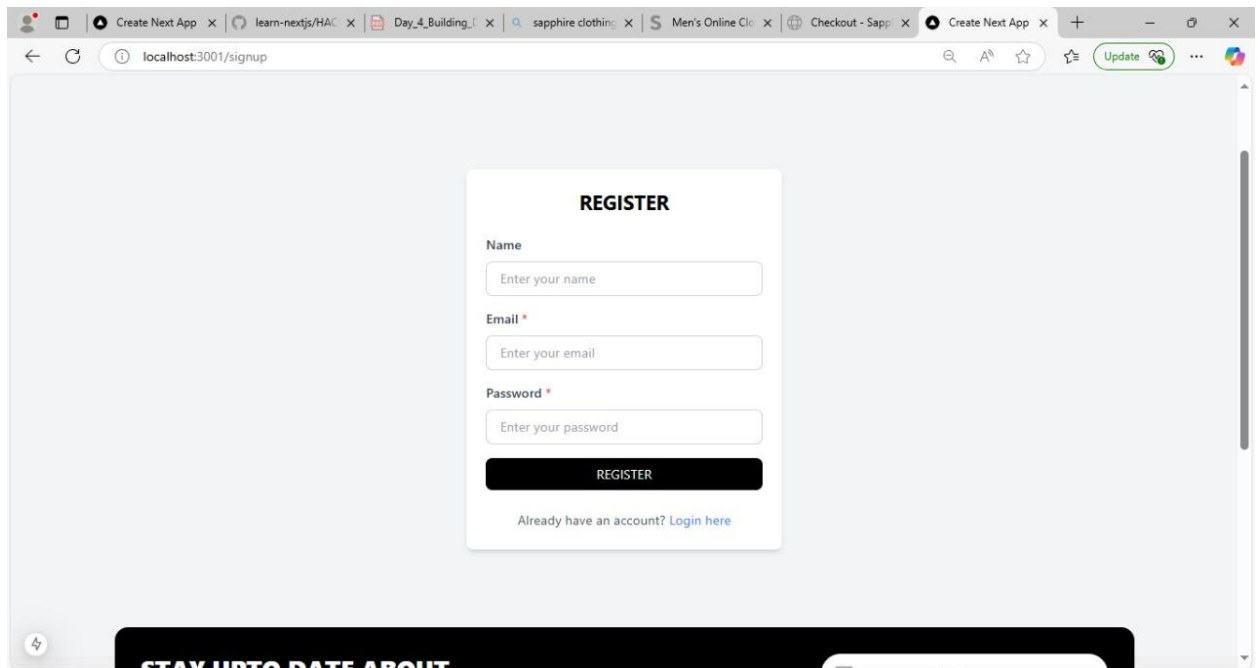
Key Functionalities

- Integration with **Sanity CMS** for dynamic content management.

- Product filtering by price (low to high, high to low).

- Dynamic routing for individual product pages.

- Responsive design for all devices.

- Error handling for API calls.

🤝 Acknowledgments

- **Sanity CMS**: For managing dynamic content like products and categories.

- **Tailwind CSS**: For providing a fast and efficient way to style the website.

- **Next.js**: For building a performant and SEO-friendly application.

🔗 How to Run the Project Locally

1. Clone this repository:

2. git clone <repository-url>

3. Navigate to the project directory:

cd project-directory

4. Install dependencies:

npm install

5. Start the development server:

npm run dev

6. Open your browser and visit http://localhost:3000.

🚀 Future Enhancements

- Add user reviews for products.

- Implement multi-language support.

- Integrate analytics for user behavior tracking.

- Add advanced search functionality.

📧 Contact

For inquiries or collaboration, feel free to reach out:

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Self-Validation Checklist:

Frontend Component Development	Styling and Responsiveness	Code Quality	Documentation and Submission	Final Review
✓	✓	✓	✓	✓

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