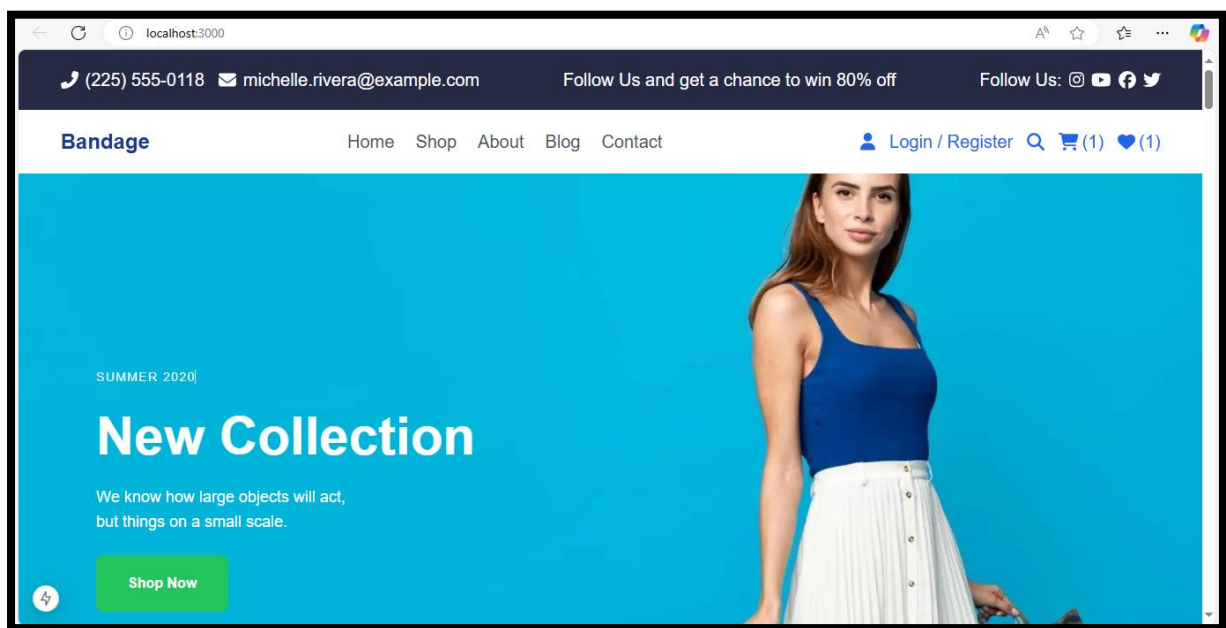


Day 4 - Dynamic Frontend Components – Elite Market

Content:

- Project Title: **Elite Market**
- Subtitle: **Dynamic Frontend Components - Day 4**
- Submitted By: Liaqat Khan



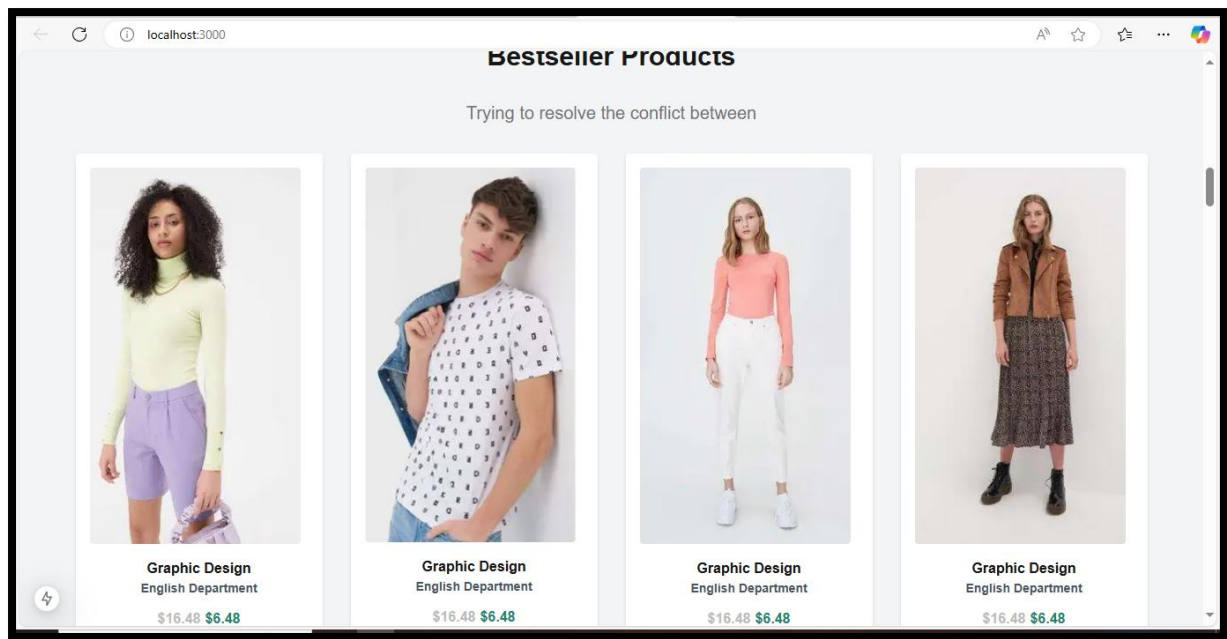
Introduction

Overview:

Elite Market is an **eCommerce platform** designed for online product selling. It features a scalable and responsive frontend, allowing users to browse, search, and purchase products easily.

Purpose:

Create a user-friendly online store with integrated features like product pages, cart system, and checkout process.



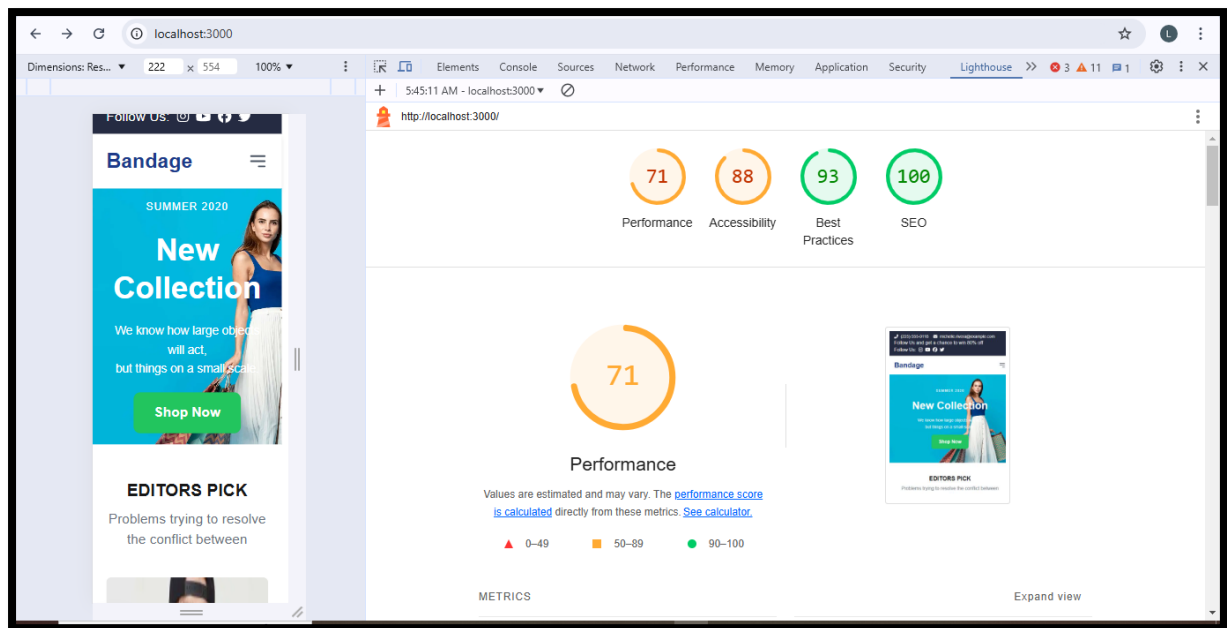
Frontend Development

- **Website Design:**

- Homepage, Product Page, Cart, and Wishlist layouts were designed for responsiveness and usability.
- Components were implemented using **React** and **Next.js** for dynamic routing and rendering.

- **Technology Used:**

- Framework: **Next.js** (with TypeScript for type safety).
- Styling: **Tailwind CSS** for responsive and modern design.



Backend Development

1. User Authentication:

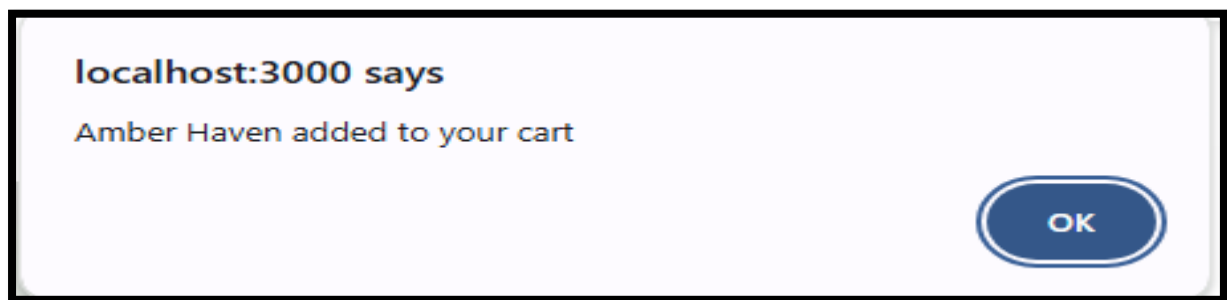
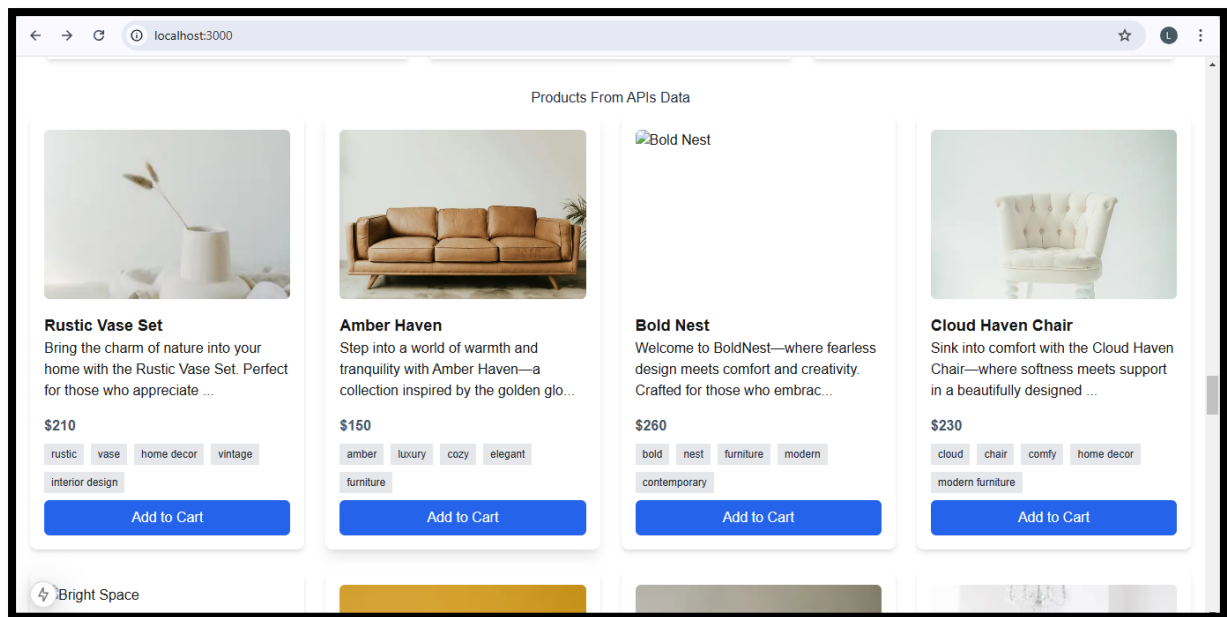
- Integration planned for secure user login and sign-up functionality (to be implemented).

2. Payment Integration:

- Payment gateway (e.g., Stripe, PayPal) integration planned for seamless online transactions.

3. Component Integration:

- Features like the **Cart System**, **User Profile**, **Wishlist**, and **Checkout Process** are integrated to enhance the shopping experience.



Steps Taken

Dynamic Routing:

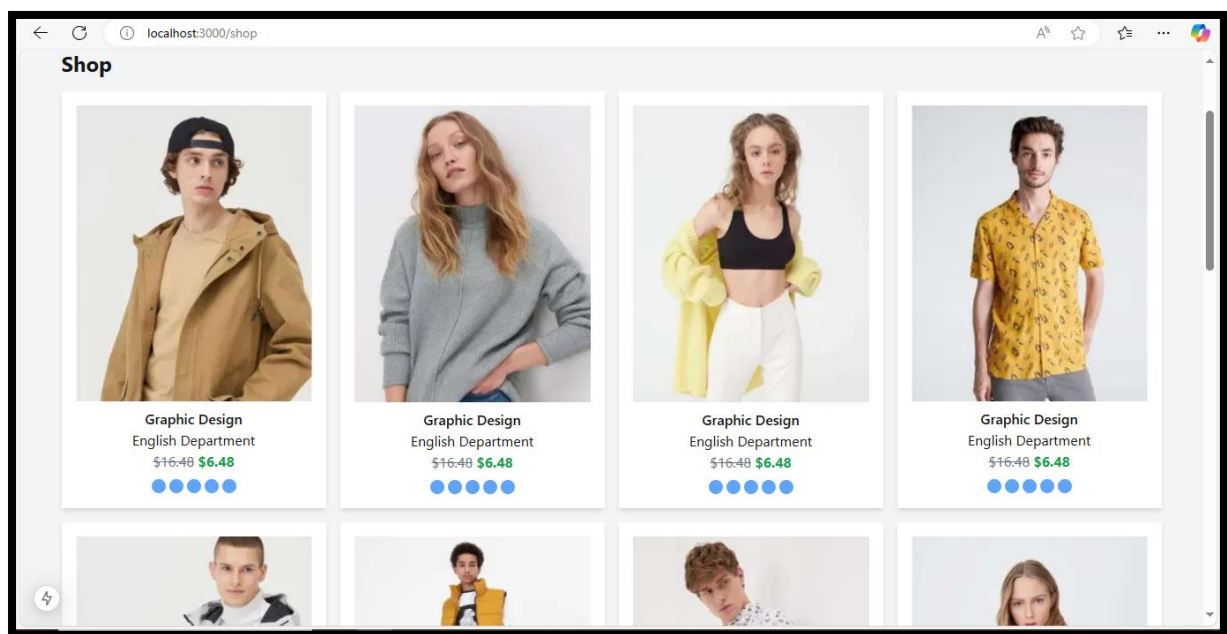
- Implemented dynamic routes for product details using `src/app/product/page.tsx`.
- Enables fetching and displaying product-specific information.

Tag and Category Features:

- Tags: Products are searchable by tags.
- Categories: Products are categorized for better navigation.

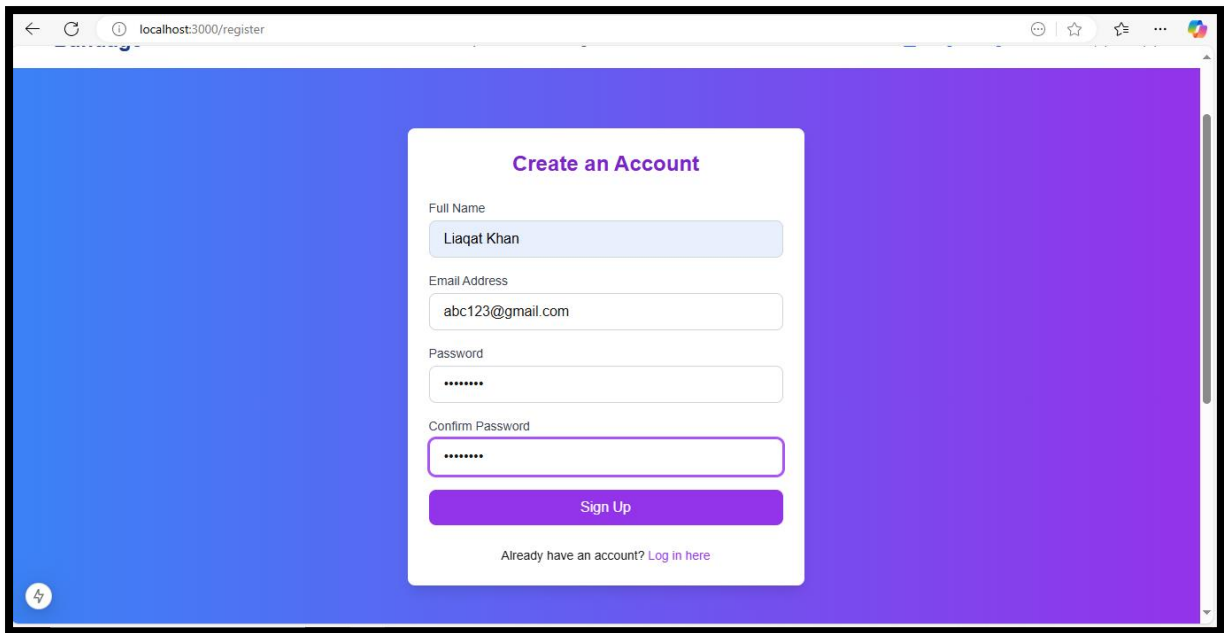
Categories and Shop

- **Categories:**
Categorized product sections for easier browsing.
- **Shop Page:**
A consolidated display of all available products.

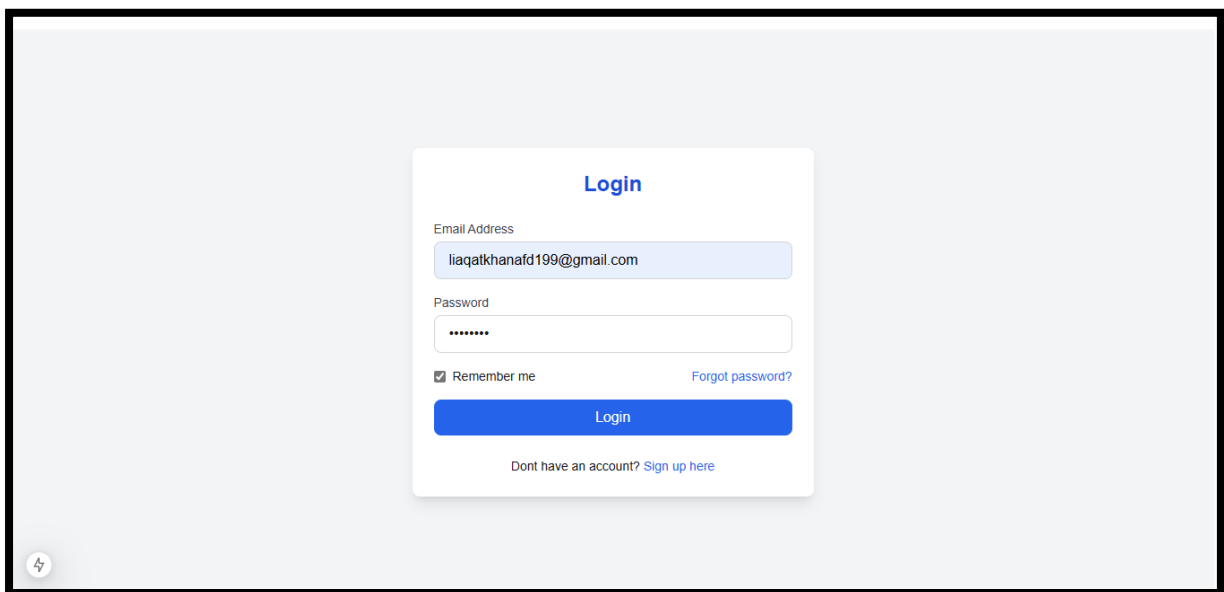


Login/Register Feature

- **Register:**
Allows users to create account.



- **User Login:**
Allows users to securely log in and manage their profiles.

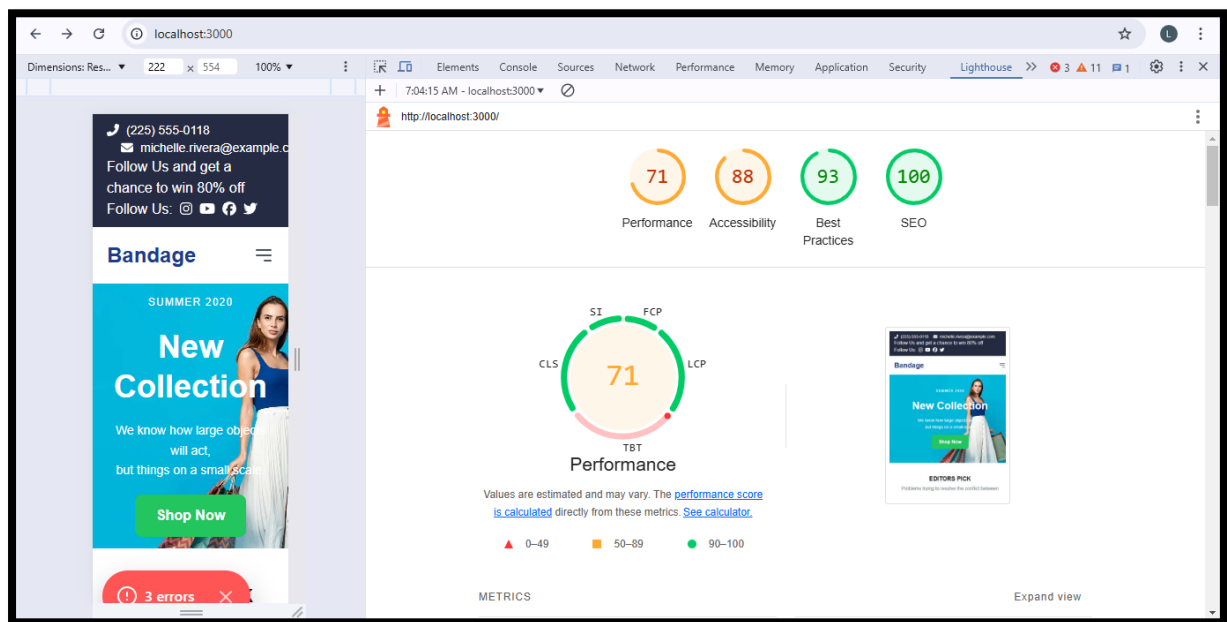


Final Result

- **Outcome:**
 - A user-friendly, scalable eCommerce platform with dynamic product pages, responsive design, and basic cart functionality.

- **Future Improvements:**

- Add user authentication and payment integration.
- Enhance admin features for better product and user management.



Acknowledgment

"A heartfelt thanks to my mentors, Sir Zia Khan, Sir Daniyal Nagori, Sir Ameen Alam, Sir Anas, Sir Ubaid Ur Rehman, and all our dedicated teachers and staff, for their guidance and support throughout this Hackathon journey. Your expertise and encouragement have been invaluable."
