Hackathon Day 4

## Documentation for Hackathon Project:

E-Commerce Functionalities & Dynamic Components

This documentation provides an overview of the key features and components implemented in the project, showcasing dynamic routing, interactive functionalities, and enhanced user experience with Toast notifications and local storage.

### Product Listing Page Functionality Description:

The Product Listing Page is the central hub for users to explore and discover available products. Designed with a clean and intuitive layout, it provides a visually engaging and organized presentation of products to enhance the browsing experience.

Products are dynamically retrieved from the Sanity Content Management System (CMS) and displayed in a responsive grid or list format for seamless user interaction.
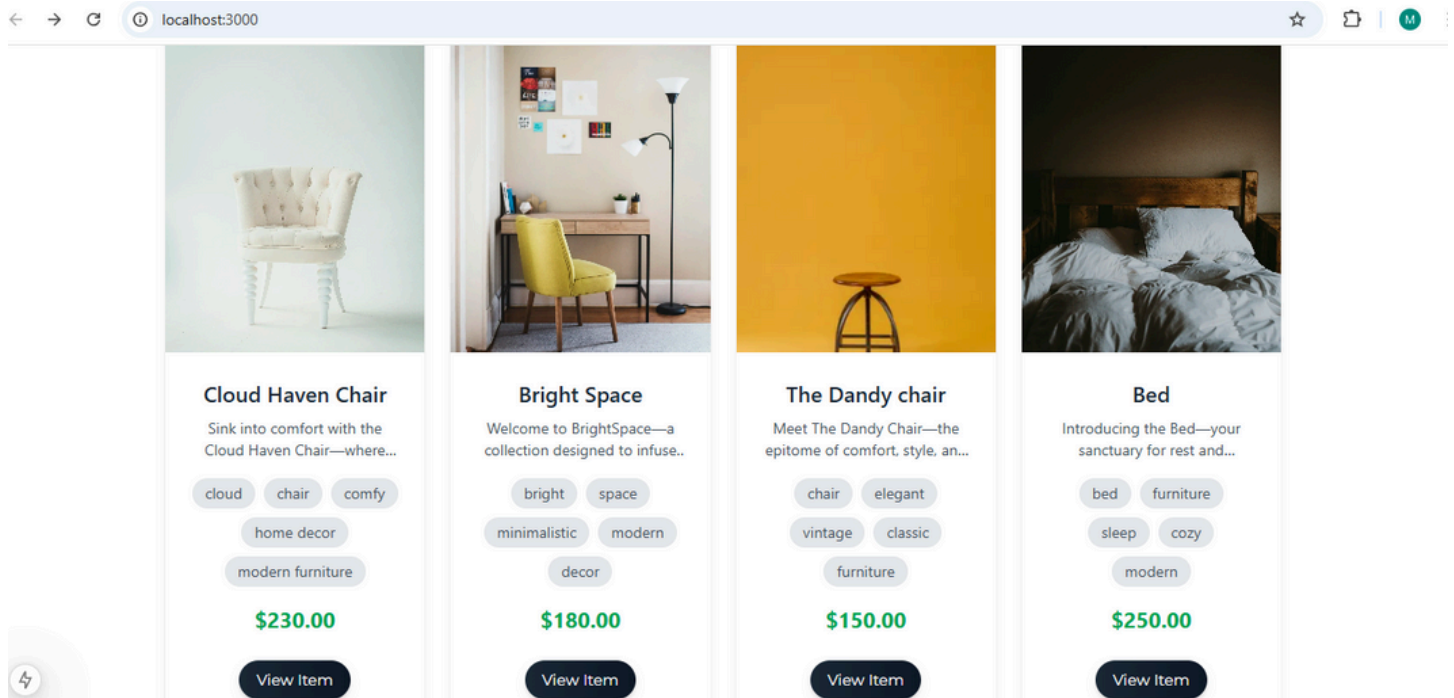
The data is dynamically fetched from the Sanity Content Management System (CMS), ensuring that any updates or changes made in the Sanity backend are reflected in real

time on the page. This seamless integration keeps the product information accurate and up-to-date.
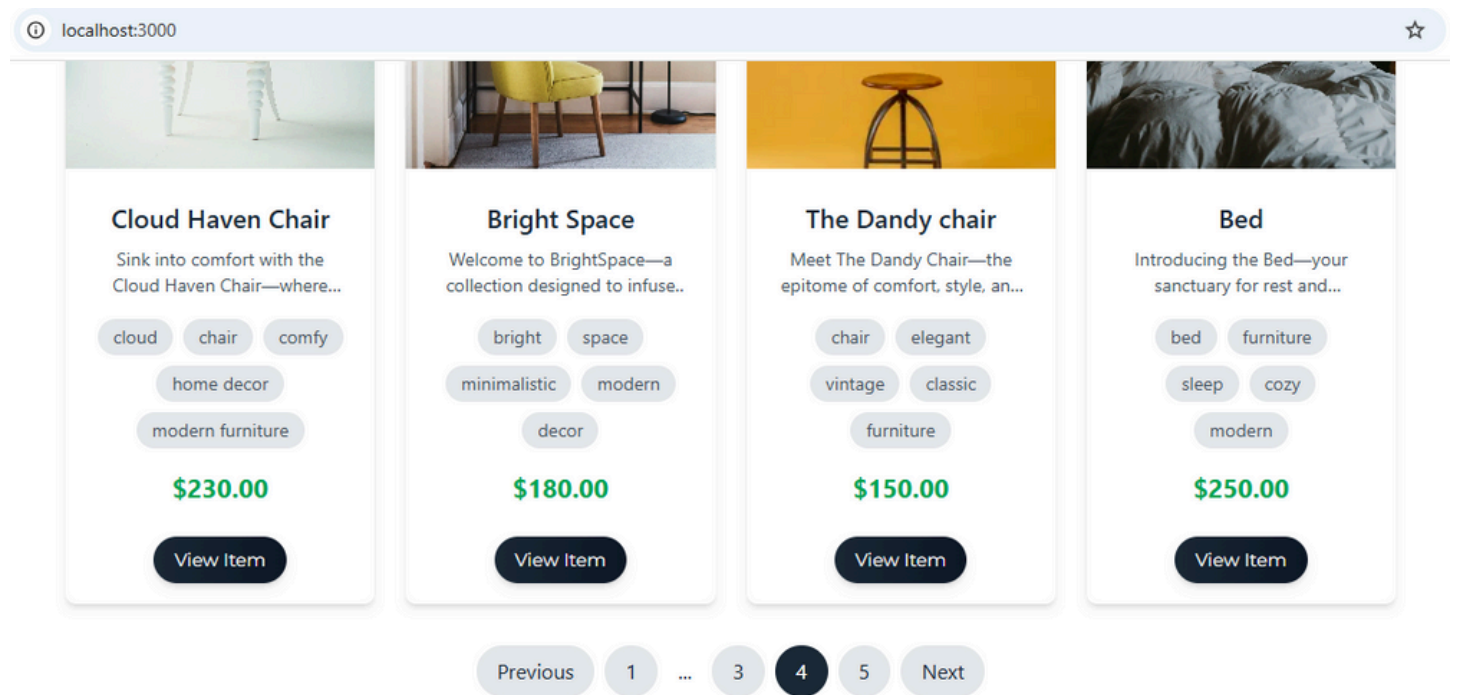

1) Pagination

Description:

A user-friendly navigation feature for managing large datasets across multiple pages.

Features:

- Enables smooth browsing by dividing data into manageable chunks.

- Implemented in sections like order tracking, order view, and FAQs for seamless navigation.

- Ensures fast loading times and improved user experience, even with extensive data.

2) Product Detail Page

Description: A page that provides detailed information about a specific product, allowing users to learn more before making a purchase.
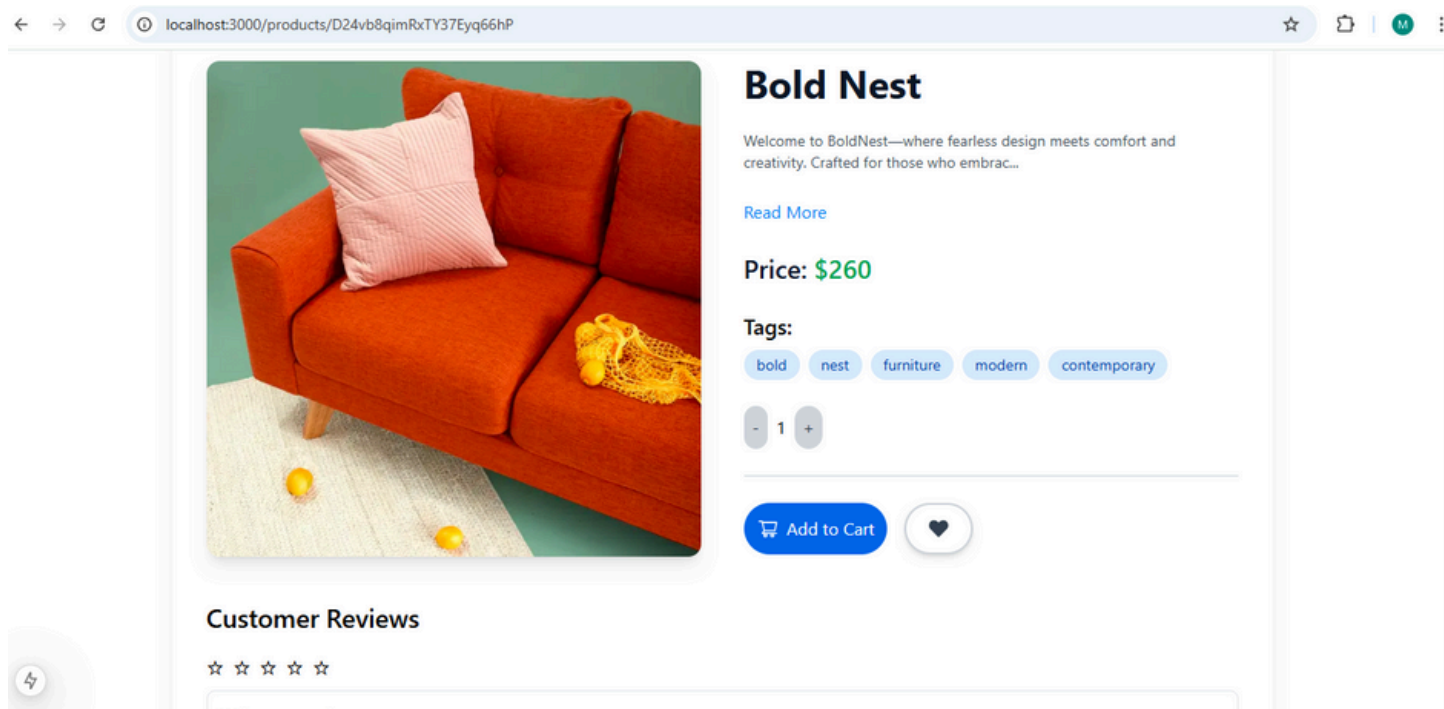
Features:

- **Product Information:** Displays essential details about the product, including name, description, specifications, available sizes/colors, and pricing.

- **High-Quality Images:** Shows multiple high-resolution images of the product from different angles, with zoom-in functionality for better viewing.

- **Add to Cart Button:** Allows users to add the product to their shopping cart, with quantity selection and immediate updates to the cart icon.
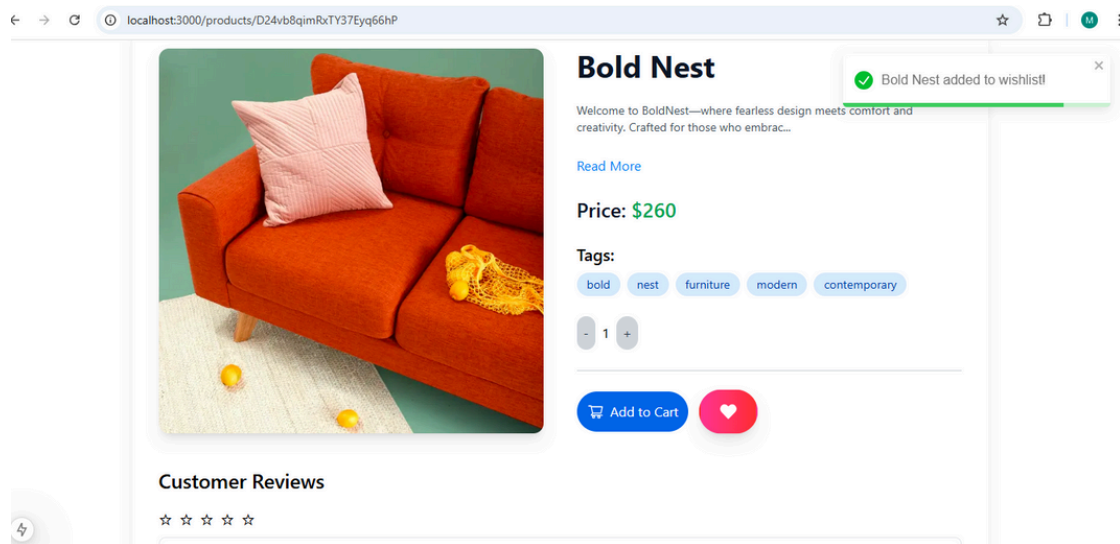
- **Price Information:** Clearly shows the price of the product.

- **Stock Availability:** Displays real-time stock information, indicating whether the product is in stock or if there are limited quantities available.
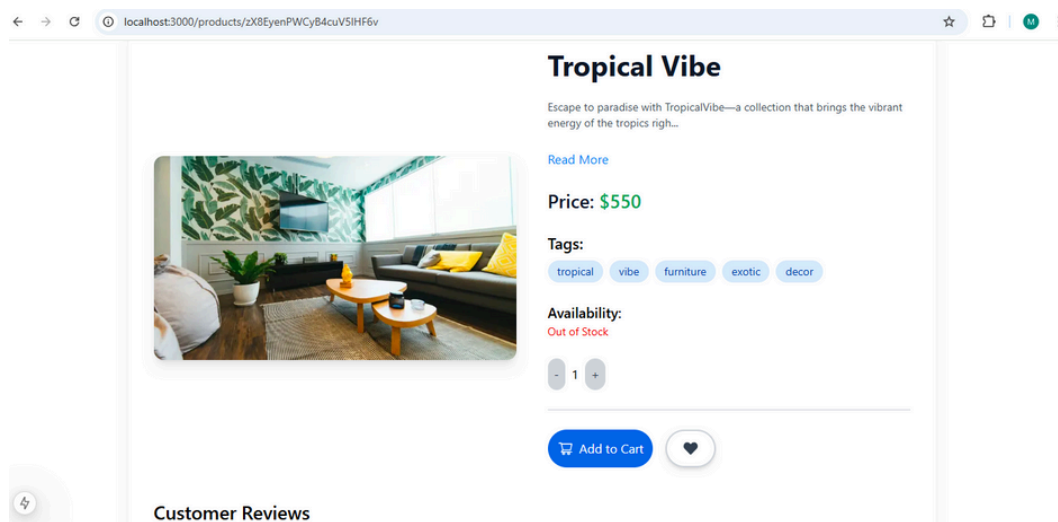

- **Product Reviews:** Shows user-generated reviews and ratings for the product, with the option for users to leave their own review.

- **Related Products:** Recommends similar products based on the current product, helping users find alternatives or complementary items.

- **Local Storage Integration:** Ensures that any product added to the cart from the product detail page persists in the cart even after the page is refreshed or the user navigates away.

3) Add to Cart

Description: A functionality that allows users to manage their shopping cart by adding, removing, and adjusting the quantity of products.
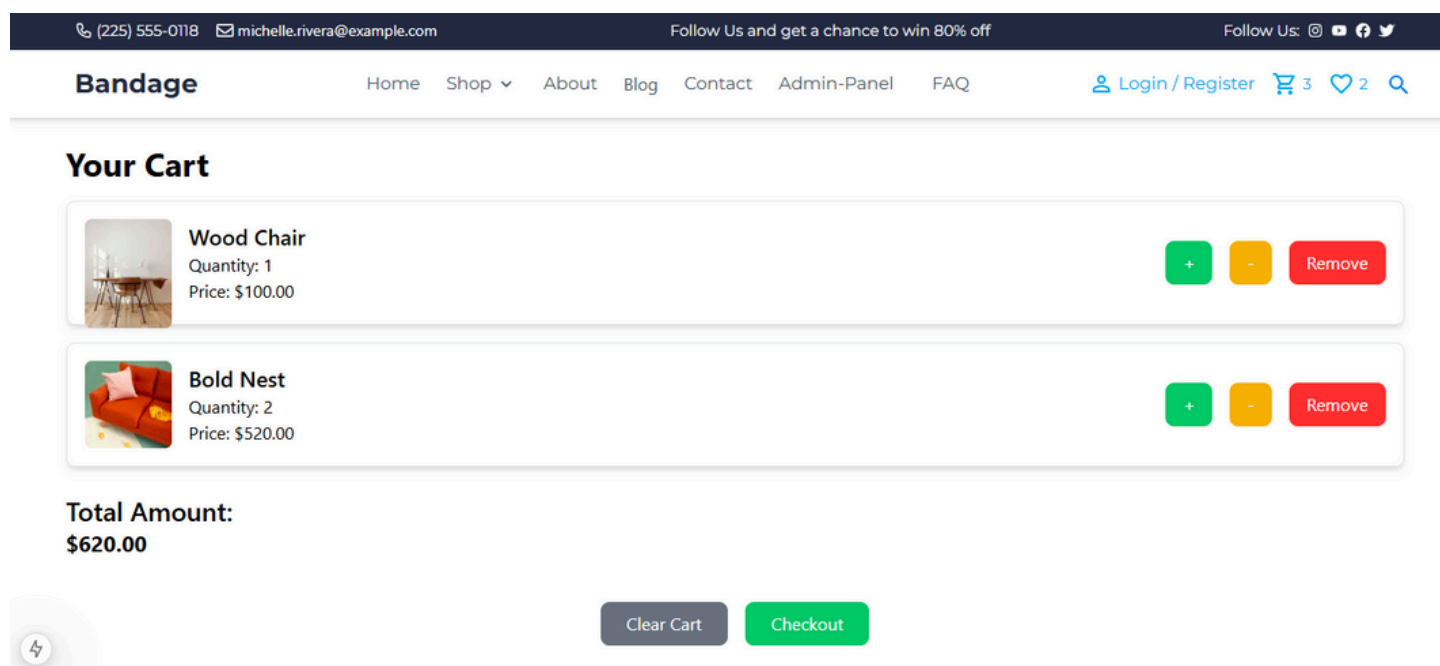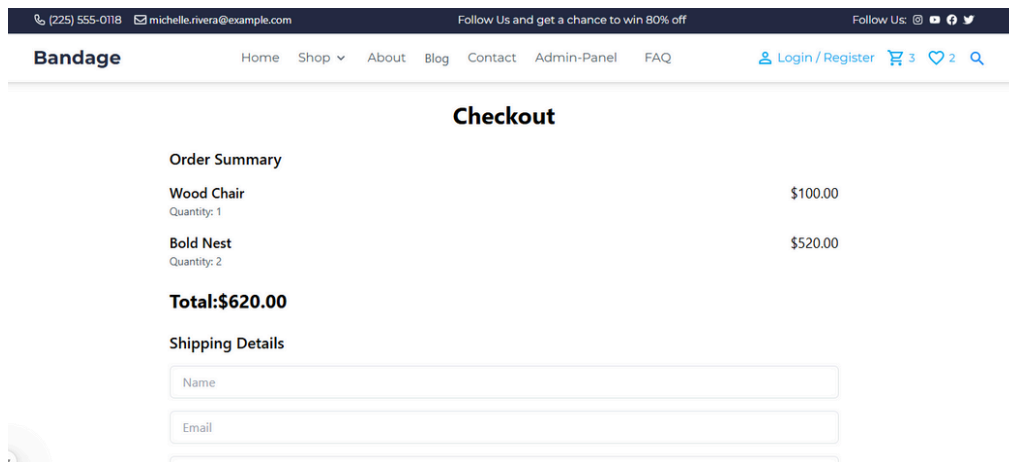

Features:

- **Add/Remove Items:** Users can easily add products to the cart and remove them when no longer needed, ensuring a flexible shopping experience.

- **Adjust Quantity:** Users can update the quantity of each product directly in the cart, with real-time updates of the total price.

- **Real-Time Price Calculation:** The total price of all items in the cart is automatically recalculated whenever items are added, removed, or their quantities are updated, ensuring accurate cost representation.

- **Local Storage Persistence:** Cart data is saved in the browser's local storage, ensuring that the cart contents persist even after page refreshes or closing the browser. This allows

users to retain their selections until they're ready to check out.

4) Checkout Page

Description: A page where users review their cart, enter shipping and payment information, and complete their purchase.

Features:

- **Cart Summary:** Displays a detailed breakdown of all items in the cart, including product names, quantities, individual prices, and the total cost.

- **Shipping Information:** Users can enter their shipping address, choose a shipping method, and view estimated delivery times.

- **Local Storage Integration:** Retains cart data during the checkout process, preventing loss of information if the page is refreshed or the user navigates away accidentally.

Total:**$620.00**

Shipping Details

mariam_rauf1

mariam.rauf567@gmail.com

0000

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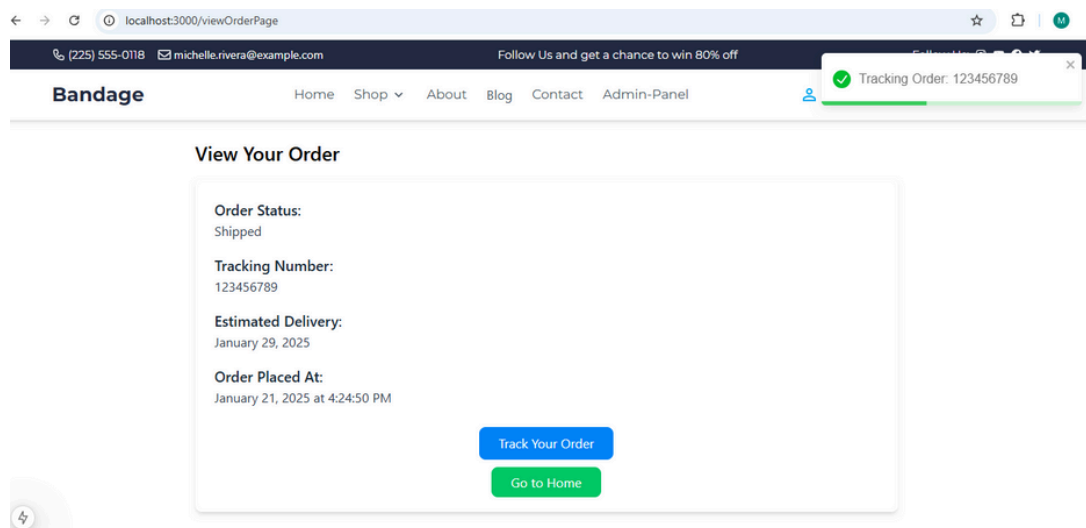
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Karachi

Back to Cart Place Order

- **Order Confirmation:** Once the payment is processed, a confirmation message and order number are displayed, along with an option to view order details or continue shopping.

- **Order Review:** After completing the purchase, users can review their order summary, ensuring all details are correct (items, prices, shipping info).

5) Thank You Page

Description: A confirmation page that thanks the user for their purchase and provides details of the completed transaction.

Features:

- **Order Confirmation:** Displays a thank you message along with the user's order number, confirming the successful purchase.

- **Order Summary:** Provides a recap of the items purchased, total cost, and estimated delivery date.
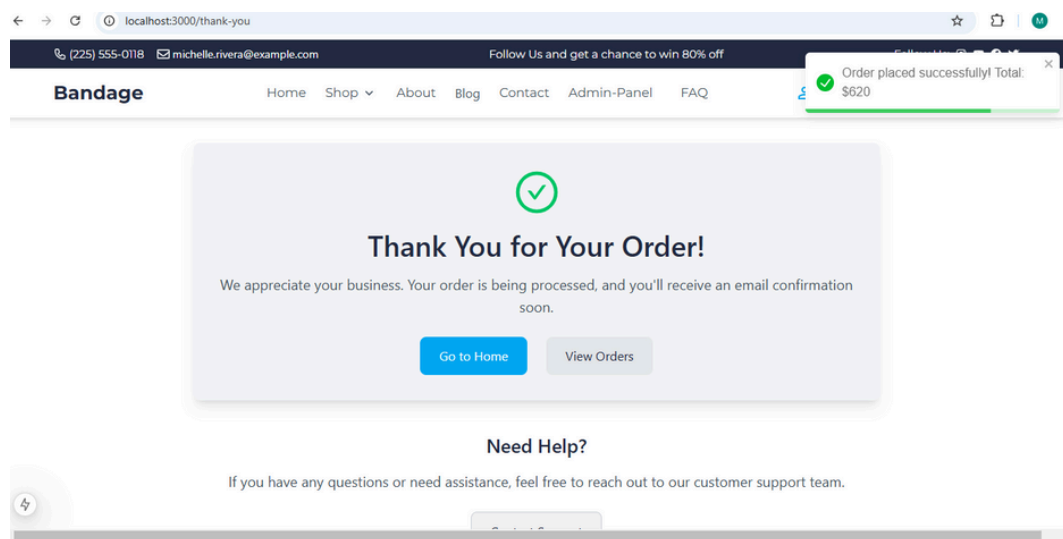
- **Next Steps:** Offers options for the user to continue shopping, view their order history, or track their order.

- **Estimated Delivery:** Provides a brief message regarding the expected delivery date or tracking instructions.

- **Order Details Link:** Includes a link to view detailed information about the order, including tracking information or status updates.

- **Toast Notifications:** Displays a success toast when the order is successfully placed.

6) Wishlist

Description: A feature that enables users to save their favorite products for future reference, allowing for easier access and potential future purchases.
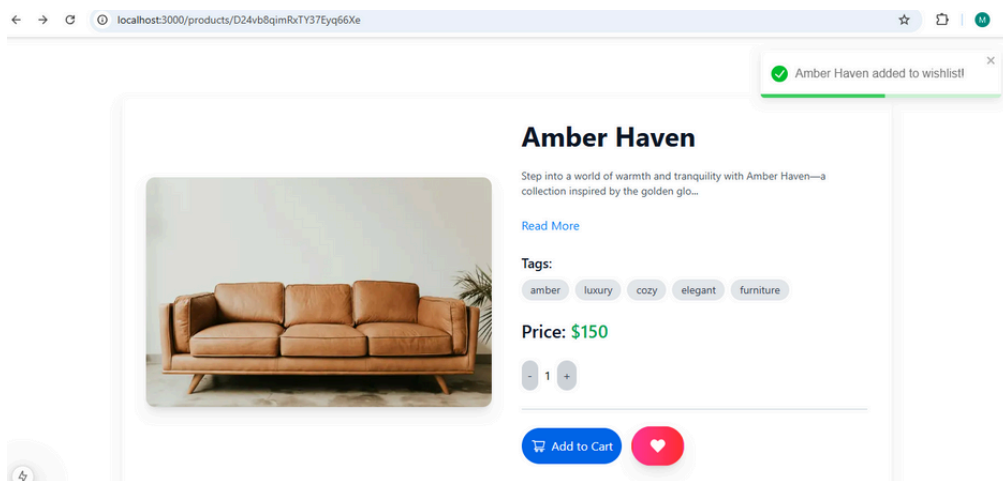
Features:

- **Save Favorite Products:** Users can add products to their wish list, which helps them keep

track of items they may want to purchase later.

- **Toast Notifications:** A success toast notification appears when a product is successfully added to the wish list.

- **Duplicate Item Alerts:** Prevents users from adding the same item multiple times by displaying a toast message informing them that the item is already on their wish list.
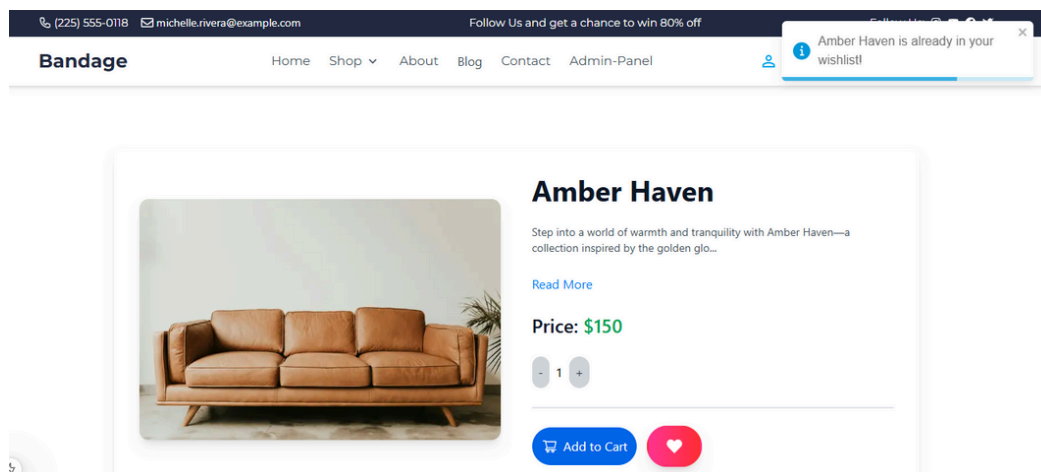
- **Local Storage Integration:** The wish list is saved in the browser's local storage, ensuring that saved items persist even after page refreshes or if the user navigates away from the site. This feature ensures that users' wish list remains intact across different sessions and visits.

- **Access Across Pages:** Users can view and manage their wish list from any page on the website, providing easy access to their saved items for future browsing or checkout.
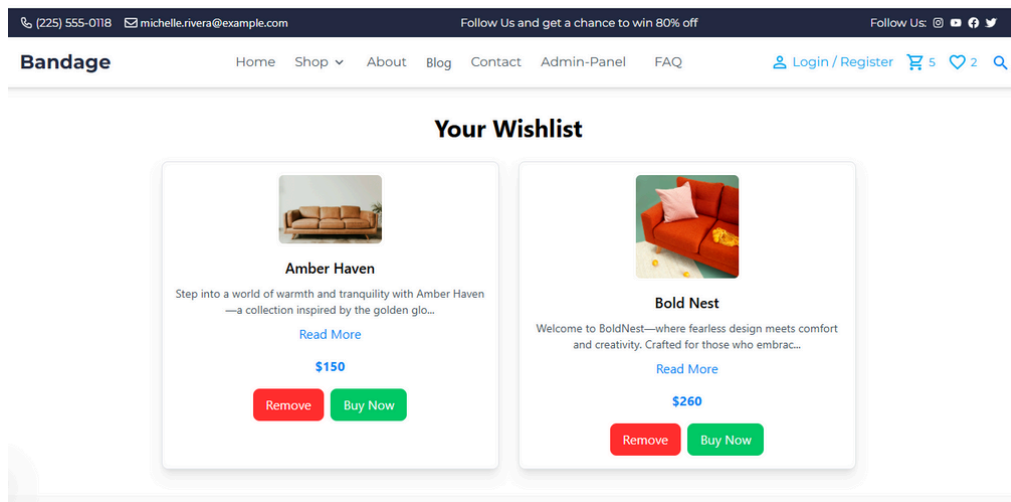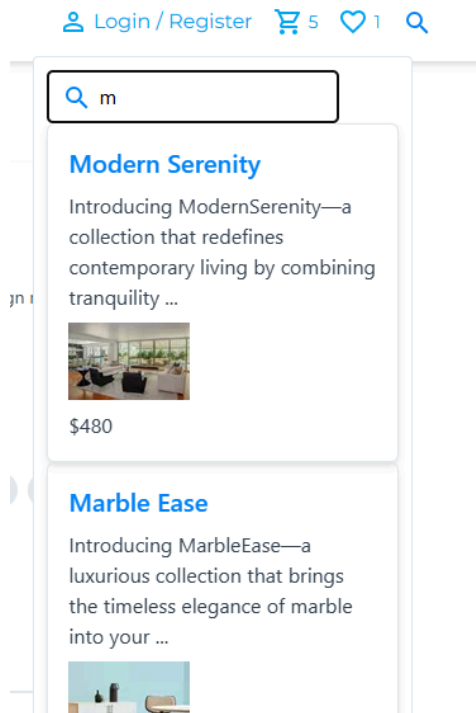
7) Search Product

Description: A feature that allows users to quickly find products based on keywords, categories, or filters, enhancing the user experience by simplifying product discovery.

Features:

- **Search Bar:** A prominently placed search bar that allows users to type keywords, product names, or categories to find products instantly. It provides an intuitive and efficient way for users to navigate the product catalog.

- **Autocomplete Suggestions:** As users type in the search bar, autocomplete suggestions appear to guide them toward popular products, categories, or previously searched items, improving the search experience.
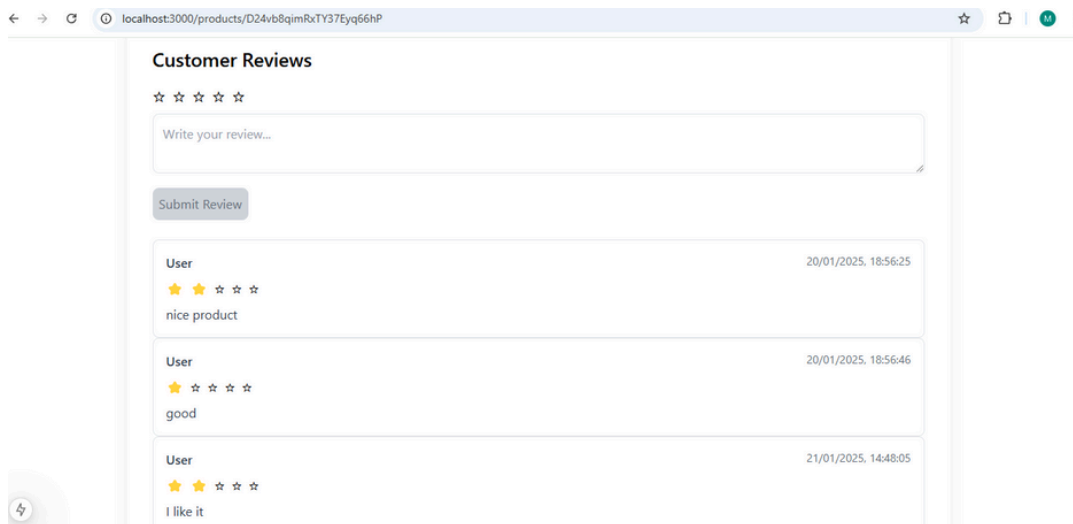
- **Search Result Display:** Displays product results with relevant details like product name, image, price, and rating, allowing users to quickly evaluate products.
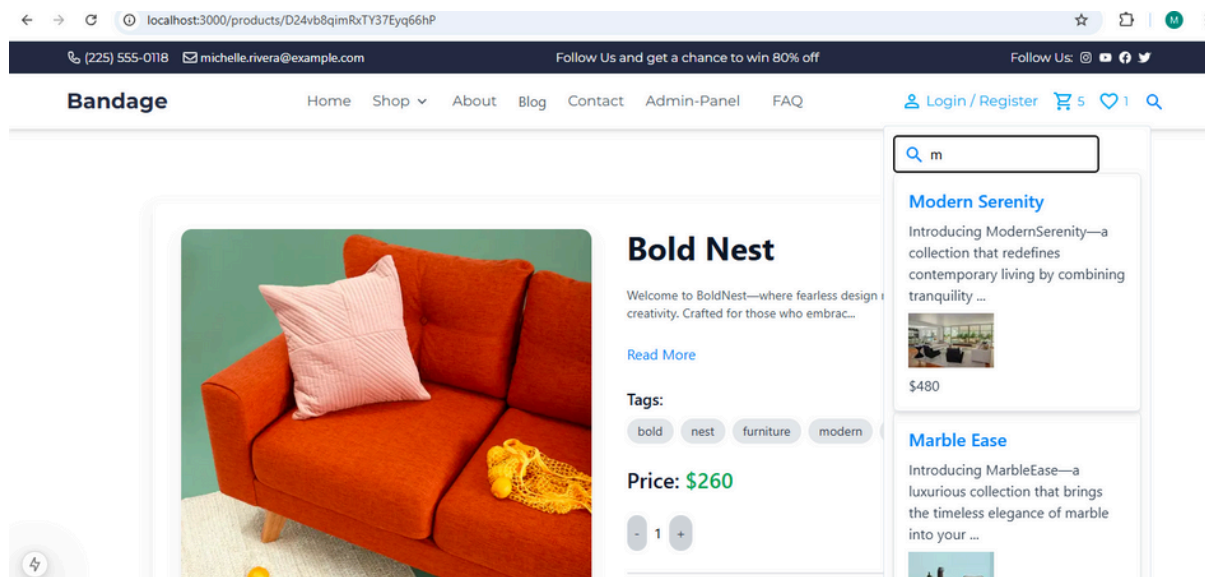

8) Reviews and Ratings

Description: A feature that allows users to submit and view reviews and ratings for products, helping to build trust, provide social proof, and guide purchasing decisions.

Features:

- **User-Generated Reviews:** Users can leave reviews for products they've purchased, providing valuable feedback for other customers. These reviews can include text, star ratings, and optional photos.

- **Star Rating System:** Allows users to rate products on a scale (e.g., 1 to 5 stars), making it easy for others to see the product's average rating at a glance.
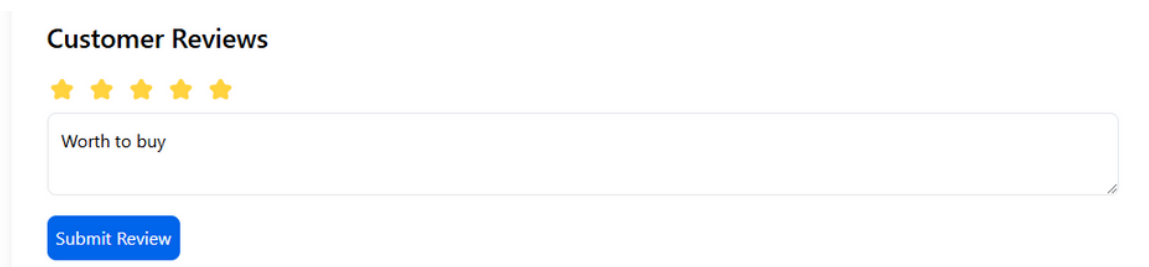

- **Review Sorting:** Reviews can be sorted by most recent, highest rating, or most helpful, giving users the ability to find the most relevant feedback.

- **Toast Notifications:** A success toast is shown after a user submits a review, thanking them for their feedback. If there are issues (e.g., missing required fields), a toast notification will inform the user.

- **Moderation System:** Admins can moderate reviews to ensure they are appropriate and meet guidelines, ensuring quality and relevance.

- **Local Storage Support:** Reviews are stored in local storage temporarily, so users can see previously submitted reviews even after a page refresh or navigating away from the product page.
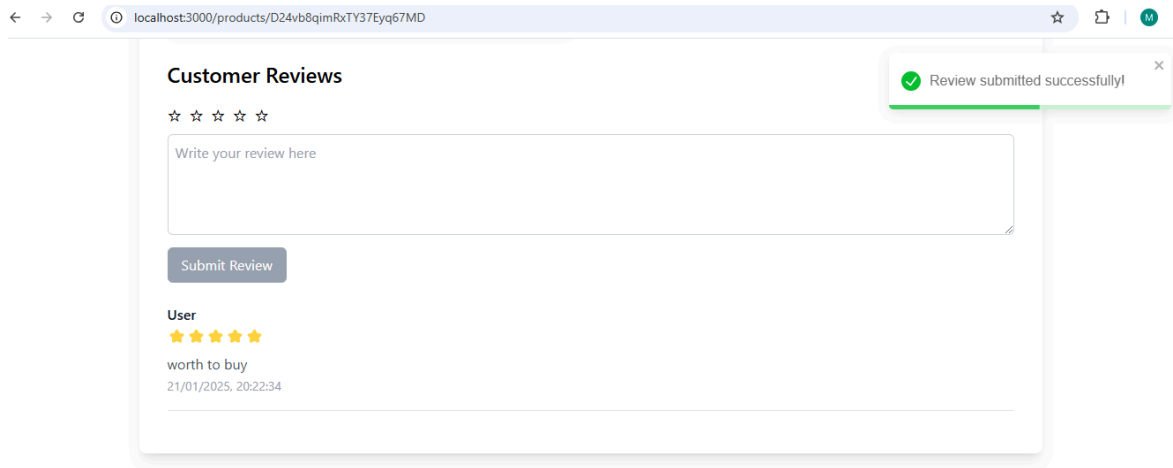
9) Customer Support Page

Description: A page dedicated to providing customers with assistance regarding issues they encounter, such as product inquiries, order tracking, returns, and general queries.
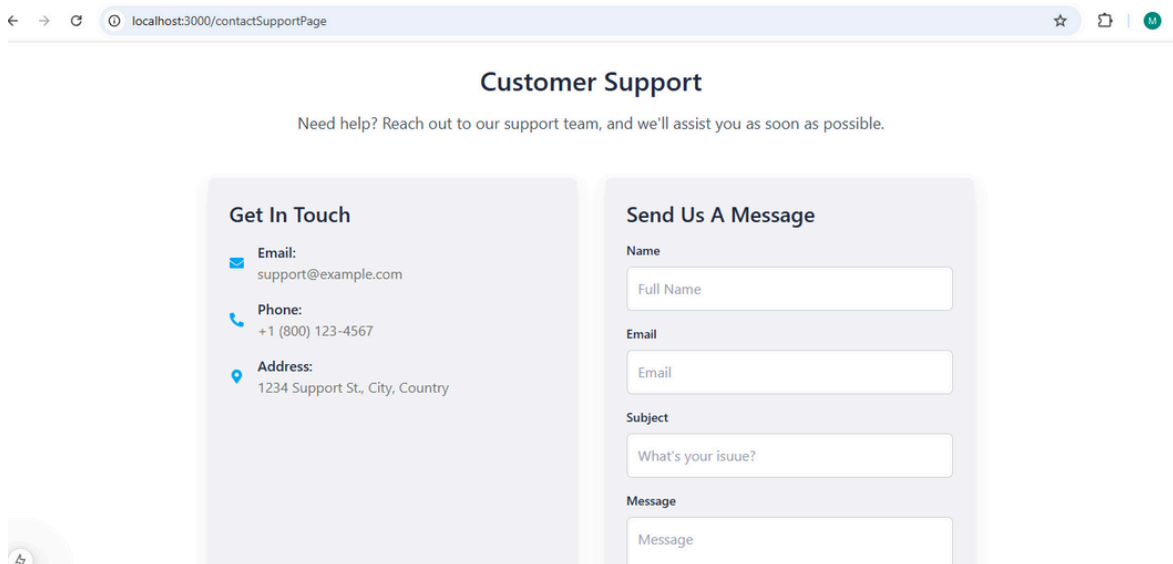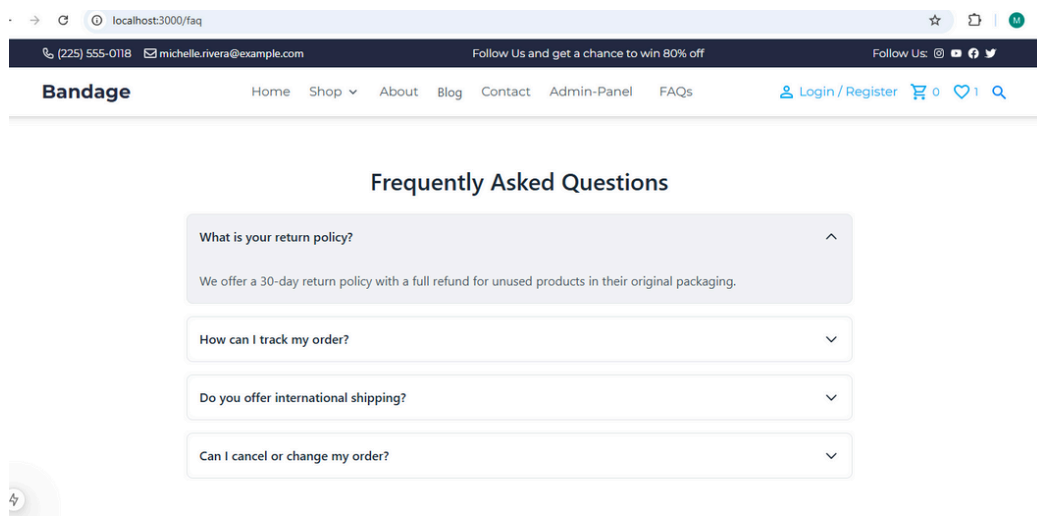

10) FAQs (Frequently Asked Questions)

Description: A dedicated page that provides answers to common questions from customers,

offering self-service solutions and reducing the need for direct support inquiries.

Provides concise but comprehensive answers to common queries, addressing customer concerns related to products, services, policies, and processes.

11) Admin Panel

Description: A powerful and secure interface that allows administrators to manage products, users, orders, and other important system functions, ensuring smooth operation of the platform.
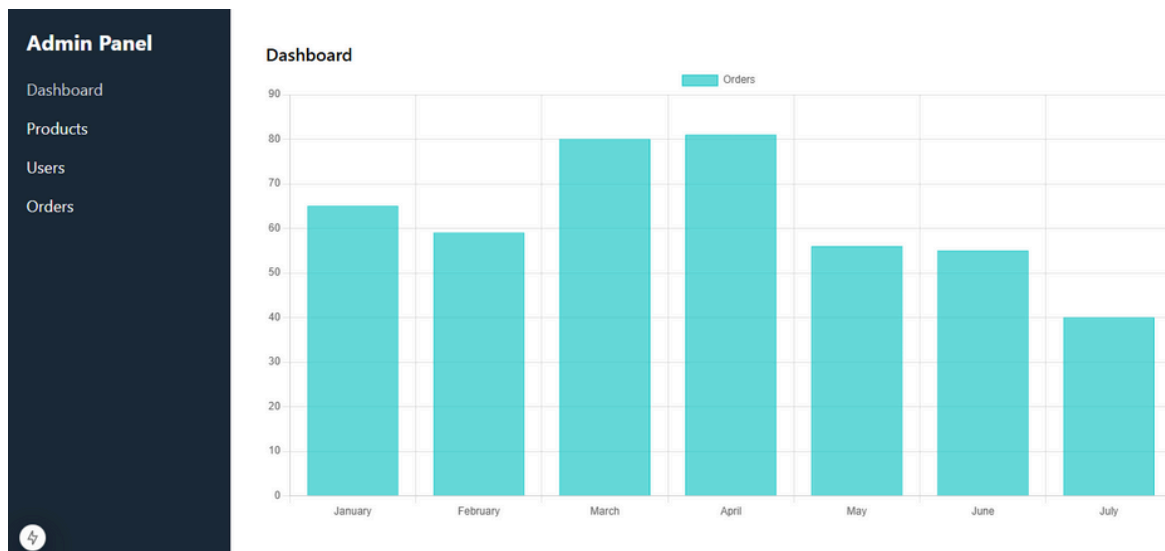
12) Sign Up Page / Sign In Page

Description: A user-friendly registration page that allows new users to create an account on the platform, providing the necessary information to get started.

Features:

- **User Input Fields:** Collects essential user details such as full name, email address, phone number, address, password, and confirm password to create a secure account.

- **Remember Me Option:** Includes a "Remember Me" checkbox to let users stay logged in

across sessions, improving convenience for regular users.

Sign in to your account

Your email

name@company.com

Password

••••••••

☐ Remember me   **Forgot password?**

Don't have an account yet? **Sign up**

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