

Day:6 Staging Environment Documentation for Marketplace and SHOP CO E-Commerce Website

1. Fully Deployed Staging Environment for the Marketplace

- The staging environment for the marketplace has been successfully deployed using Vercel.
- All features, including routing, dynamic product listing, and cart functionality, have been integrated and are operational.
- The environment allows for thorough testing of all user flows and integrations before production deployment.

2. Environment Variables Securely Configured

- Environment variables have been securely stored using Vercel's environment management system.
- Variables include:
 - API keys for Sanity integration.
 - Database connection strings.
 - Any third-party API keys

3. Test Case and Performance Reports

- Comprehensive test cases have been developed to validate key functionalities:
 - Product search, filters, and dynamic routing.
 - Cart and checkout workflows.
 - API integrations with shipment tracking and inventory updates.
- Performance testing reports:
 - Load testing with simulated user traffic.
 - API response time and reliability benchmarks.
 - UI responsiveness and error handling.
- All test results and reports are documented and stored in the repository

- **4. GitHub Repository Organization**

- README.md
- All commits are tracked with descriptive messages to maintain a clear version history.
- Pull requests and code reviews are documented to ensure quality assurance.

5. Professional README.md File

- The README.md file includes:
 - **Project Overview:** Objectives and key features of the marketplace and SOP CO E-commerce website.
 - **Technologies Used:** Next.js, Tailwind CSS, TypeScript, Sanity, Vercel, and others.
 - **Deployment Details:** Link to the live staging environment and setup instructions.
 - **Usage Instructions:** Steps for local development, testing, and contributing.
 - **Changelog:** Summary of updates and new features.
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SHOP CO E-Commerce Website Overview

Deployment

- The website is deployed on [Vercel](#) for staging and production environments.

Functionality

- **Dynamic Product Listing:** Fetches data from Sanity for real-time updates.
- **Product Routing:** Each product has a dedicated detail page with dynamic routing.
- **Search and Filtering:** Users can search for products and apply filters based on categories and pricing.
- **Cart and Wishlist:** Fully functional cart and wishlist systems with persistent state.
- **Checkout Flow:** Multi-step checkout process including user details, shipping,.
- **User Profile:** Displays , saved addresses, and account details.
- **Related Products:** Showcases recommendations based on user preferences.
- **Responsive Design:** Optimized for mobile, tablet, and desktop devices.

Technologies Used

- **Frontend:** Next.js, Tailwind CSS, TypeScript.
- **Backend:** Sanity for content management and API integration.
- **Deployment:** Vercel for hosting and environment management.

Future Enhancements

- Implement wishlists,quantity,etc
 - Add customer review and rating features.
 - Expand filtering options to include tags and brands.
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Key Links

- **Staging Environment:**<https://shop-co-ecommerce-marketplace-rns9.vercel.app/>
- **GitHub**
Repository:<https://github.com/Shereensheer/shop-co-Ecommerce-marketplace.git>
- **Documentation:**<https://github.com/Shereensheer/Technial-Foundation.git>