

Shoes Marketplace: Progress Overview (Days 1-6)

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Overview

This document highlights the main objectives and achievements of the Shoes Marketplace Project over six days, focusing on planning, implementation, testing, and deployment.

Day 1: Project Planning

Key Achievements:

Defined the marketplace type as an e-commerce platform specializing in shoes and established business goals.

Designed the data schema to structure product, inventory, and user information.

Identified the problem to be solved, focusing on seamless shopping experience and inventory management.

Established the target audience, including sneaker enthusiasts, resellers, and casual buyers.

Day 2: Technical Planning

Key Achievements:

Finalized the tech stack:

Frontend: Next.js with Tailwind CSS for responsive UI, chosen for their efficiency in building fast, responsive, and visually appealing interfaces.

Backend: Sanity CMS for structured content management.

API Integration: ShipEngine API for shipping and logistics.

Day 3: Data Migration

Key Achievements:

Developed a custom migration script to transfer product data.

Defined the Sanity schema to ensure consistency in data storage.

Integrated client-side logic for seamless data retrieval.

Day 4: Building Dynamic Frontend Components

Key Achievements:

Implemented dynamic product listing with real-time updates.

Added filters, search functionality, and sorting options to enhance product discovery, making it easier for users to find items based on their preferences and needs.

Built cart functionality to manage user selections.

Integrated wishlist feature for product tracking.

Day 5: Testing & Backend Refinement

Key Achievements:

Conducted multiple testing approaches, uncovering key insights such as improved API response times, successful data migration validation, and seamless integration of frontend components.

Functional Testing: Ensured all components work as expected.

Performance Testing: Optimized API response times and frontend performance.

CSV Testing: Verified correct data import/export from CMS.

Day 6: Deployment Strategy

Key Achievements:

Established a deployment strategy for production readiness.

Configured environment variables for security and scalability.

Set up a staging environment using Vercel and GitHub Actions to test final features before deployment.

Performed staging tests, including:

Functional testing

Product listing validation

Checkout process verification

API response checks for responsiveness

Conclusion

This documentation provides a structured timeline of the Shoes Marketplace Project, covering essential phases from planning to deployment. Each step ensures a well-integrated, scalable, and user-friendly eCommerce experience.

