Day 6: Deployment Preparation and Staging Environment Setup

Key Achievements:

• Deployment Strategy:

o Hosted the application on Vercel for quick deployment. o Integrated GitHub repository for CI/CD.

• Environment Variables:

o Configured sensitive variables (e.g., API keys) in .env and uploaded them securely to Vercel.

• Staging Environment:

o Deployed a staging build to validate functionality in a production-like environment.

o Example .env File:

NEXT_PUBLIC_SANITY_PROJECT_ID=your_project_id

NEXT_PUBLIC_SANITY_DATASET=production_API_KEY=your_api_key

• Staging Testing:

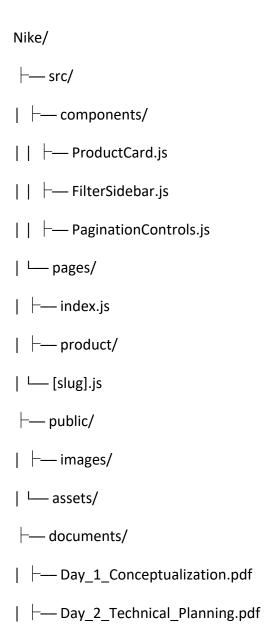
o Functional Testing: Verified key workflows like product listings and checkout. o Performance Testing: Used GTmetrix for analyzing speed and responsiveness. o Security Testing: Validated HTTPS, input handling, and secure API calls.

• Documentation:

o Created a README.md summarizing the project structure and deployment steps.

o Organized the GitHub repository with folders for src/, public/, and documents/.

GitHub Repository Structure



Conclusion

Over the six days, the Nike E-commerce Marketplace project progressed from concept to deployment, integrating robust features and ensuring a seamless user experience. With a well-structured GitHub repository, dynamic components, and comprehensive testing, the project is now ready for live deployment in a production environment.

The next steps include:

- 1. Addressing any unresolved issues documented in the staging tests.
- 2. Monitoring the live environment for user feedback and performance metrics.
- 3. Scaling the platform to include advanced features like multi-language support and predictive analytics.

This marks the successful completion of the Nike E-commerce Marketplace hackathon project!