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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/.