

Day 6

Deployment Preparation and Staging Environment Setup

Key Achievements:

- **Deployment Strategy:**
 - Hosted the application on Vercel for quick deployment.
 - Integrated GitHub repository for CI/CD.
- **Environment Variables:**
 - Configured sensitive variables (e.g., API keys) in `.env` and uploaded them securely to Vercel.
- **Staging Environment:**
 - Deployed a staging build to validate functionality in a production-like environment.
 - Example `.env` File:

```
NEXT_PUBLIC_SANITY_PROJECT_ID=your_project_id
NEXT_PUBLIC_SANITY_DATASET=production
API_KEY=your_api_key
```
- **Staging Testing:**
 - Functional Testing: Verified key workflows like product listings and checkout.
 - Performance Testing: Used GTmetrix for analyzing speed and responsiveness.
 - Security Testing: Validated HTTPS, input handling, and secure API calls.
- **Documentation:**
 - Created a `README.md` summarizing the project structure and deployment steps.
 - Organized the GitHub repository with folders for `src/`, `public/`, and `documents/`.