

Day 6 - Deployment Preparation and Staging Environment Setup

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Objective

Day 6 focused on **deploying the marketplace to a staging environment**, ensuring the setup is production-ready, and performing necessary configuration for a seamless deployment. This includes selecting a hosting platform, managing environment variables, and conducting staging tests.

Deployment Overview

The deployment process involved setting up a staging environment on **Netlify**, linking the GitHub repository, and configuring the necessary environment variables.

1. Hosting & Deployment

✓ **Hosting Platform Used:** Netlify

✓ **GitHub Repository Connected:** Successfully linked to Netlify

✓ **Environment Variables Configured:** All API keys and sensitive data securely stored in Netlify's dashboard

✓ **Deployment Status:** Successfully deployed without errors

◆ **Note:** Initially attempted deployment on **Vercel**, but faced several errors. Switched to **Netlify**, where deployment was smooth.

📁 **Live Website:** [Exclusive Tech Shop](#)

📁 **GitHub Repository:** [3rd-Hackathon-full-stack](#)

2. Staging Environment Testing

- ✅ **Functional Testing:** Ensured product listing, search, cart operations work as expected.
- ✅ **Performance Testing:** GTmetrix report remains the same as previously tested (B grade).
- ✅ **Security Testing:** Environment variables secured, and HTTPS enforced.

3. Documentation & Submission

- ✅ **CSV Test Report Submitted:** Previously created report reused as the project remains the same.
- ✅ **GitHub Repository Structured:** Organized files and documents for clarity.
- ⚠️ **README.md Pending:** Needs to be created for better documentation of deployment steps.

Next Steps

- Create a **README.md** file summarizing the project and deployment process.
- Perform additional security testing to ensure API security and input validation.
- Optimize further to improve GTmetrix score.

Final Notes:

Deployment was successful, and the staging environment is live on Netlify. Moving forward, adding proper documentation and refining performance will enhance project readiness. 🚀