

Shoes Marketplace Project: Day 6 - Deployment & Staging Setup

Areeba Irfan

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Overview

Objectives:

- Set up a **staging environment**.
- Configure **deployment & environment variables**.
- Ensure **production readiness** through testing.
- Organize project files in **GitHub**.

Professional Environments:

- **TRN**: Training
 - **DEV**: Development
 - **SIT**: System Integration Testing
 - **UAT**: User Acceptance Testing
 - **PROD**: Production
 - **DR**: Disaster Recovery
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Deployment & Staging Environment Setup

Steps:

1. **Choose a Hosting Platform:**
 - **Vercel**
 - Connect GitHub repository
2. **Configure Environment Variables:**
 - Store API keys, database credentials in **.env** file
 - Upload securely to hosting platform

3. Deploy to Staging:

- Deploy latest version
 - Validate build & check errors
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Testing in Staging

Key Testing Areas:

✓ **Functional Testing:** Validate core features (cart, checkout, payments) ✓ **Performance Testing:** Analyze speed (Lighthouse, GTmetrix) ✓ **Security Testing:** Verify HTTPS, API key security ✓ **Error Handling:** Fix issues found in staging

Documentation Updates:

- **README.md:** Project summary, installation guide
- **Test Reports:** Functional & performance test results
- **GitHub Repository:** Organized with structured folders