

Day 6: Deployment Preparation and Staging Environment Setup

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Overview

This report outlines the steps for deploying the marketplace application in a staging environment, including testing and documentation.

Key Achievements

1. Staging Environment Setup

- Hosting Platform: Vercel
- GitHub Repository connected.
- Environment variables securely configured.
- Deployment successfully validated.

2. Testing Conducted

- Functional Testing: Verified workflows (e.g., product listing, cart operations).
- Performance Testing: Used Lighthouse for speed and responsiveness.
- Security Testing: Validated input fields, ensured HTTPS, and protected sensitive data.

3. Documentation

- README.md created with project summary and deployment steps.
- Test cases and reports organized in GitHub repository.

Deployment Process

1. Hosting Platform Setup

- Selected Vercel for deployment.
- Linked GitHub repository and configured build settings.

2. Environment Variables

- Added securely in Vercel dashboard using `.env` file.

3. Deployment Validation

- Verified successful builds and application functionality.

4. Testing Overview

- Tools Used: Cypress, Lighthouse, Postman.

Resources

Deployment Link: <https://hackathon-figma-website-two.vercel.app/>

Repository Link: <https://github.com/Tahaaleem1/Hackathon-Figma-Website>

Conclusion

The staging environment is set up and tested successfully. Documentation is complete, and the application is ready for further deployment stages.