

# 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.*

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## 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.*
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## 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-3-foodstuck.vercel.app/>

**Repository Link:** <https://github.com/syedakhadija1/hackathon-3-foodstuck>

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## **Conclusion**

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