

# Day 6 - Deployment Preparation and Staging Environment Setup – Furniro

## Introduction:

On Day 6, the focus is on preparing the Furniro Marketplace for deployment by establishing a staging environment and ensuring the application is fully optimized for production. This involves deploying the app to a staging platform, conducting thorough testing to validate functionality, performance, and security, and updating all relevant documentation to reflect the changes.

## Key Learning Outcomes:

- **Staging Environment Setup:** Successfully deployed the application to Vercel, creating a production-like environment for testing.
- **Environment Variables:** Securely configured sensitive data, such as API keys, within Vercel to ensure data protection.
- **Testing:** Conducted comprehensive testing, including functional, performance, and security checks, to ensure the app meets production standards.
- **Documentation:** Updated and organized project documentation and reports to reflect the latest changes and deployment details.

## Deployment and Testing:

- **Platform:** The application was deployed to Vercel for both staging and production environments.
  - **Production URL:** <https://furnirofaiza.vercel.app>
- **Testing Conducted:**
  - **Functional Testing:** Verified that core features, such as product listings and cart functionality, operate as intended.
  - **Performance Testing:** Utilized Lighthouse to evaluate the app's speed, responsiveness, and overall performance.
  - **Security Testing:** Ensured secure handling of sensitive data and confirmed the implementation of HTTPS for secure communication.

## Final Checklist:

| Task                        | Status                              |
|-----------------------------|-------------------------------------|
| Deployment Preparation      | <input checked="" type="checkbox"/> |
| Staging Environment Testing | <input checked="" type="checkbox"/> |
| Documentation Update        | <input checked="" type="checkbox"/> |
| Form Submission Testing     | <input checked="" type="checkbox"/> |
| Final Review                | <input checked="" type="checkbox"/> |