

DAY 6 - DEPLOYMENT PREPARATION AND STAGING ENVIRONMENT SETUP

On Day 6, the focus is on preparing your marketplace for deployment by setting up a staging environment, configuring a hosting platform, and ensuring the application is fully ready for customers. Building on the testing and optimization efforts from Day 5, this stage ensures that your marketplace runs smoothly in a production-like environment.

Key tasks include:

- **Setting up a staging environment** to mirror the production setup.
- **Choosing a hosting platform** (e.g., Vercel, Netlify, AWS, or a custom server).

- **Configuring environment variables** for secure API integration.
- **Testing deployment readiness**, including performance checks and bug fixes.
- **Ensuring seamless operation** for real users before going live.

Step 1: Hosting Platform Setup

- Choose a Platform : Use Platform Like Vercel or Netlify for Quick Deployment

Step 2: Configure Environment Variables

Create a .envFile: Include sensitive variables like API key and tokens.

- NEXT_PUBLIC_SANITY_PROJECT_ID = “your project id”

- NEXT_PUBLIC_SANITY_DATASET= production
API_KEY = “your api key”

Step 3: Deploy to Staging

- Deploy Application: Deploy the Application to a staging environment through the hosting platform.

Step 4: Staging Environment Testing

1: Testing Types:

- Functional Testing : Verify all features, such as product listing, search, and cart operations.
- Performance Testing: Use Lighthouse or GTmetrix to analyze speed and responsiveness.
- Security Testing: Validate input fields, HTTPS usage, and secure API communications.

Step 5: Documentation Updates

Create README.md: Summarize all projects activities, including deployment steps and test case result.

TEST CASE REPORT:

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