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DAY 6 - DEPLOYMENT PREPARATION AND STAGING ENVIRONMENT SETUP

I successfully completed the deployment preparation and staging environment setup for the marketplace project. Here's an overview of the tasks accomplished:

1. Hosting Platform Setup:

- Chose **Vercel** as the hosting platform for deployment.
- Linked the GitHub repository to Vercel and configured build and deployment settings.

2. Environment Variable Configuration:

- Created a .env file to securely store sensitive information like API keys and project IDs.
- Uploaded the environment variables securely to Vercel's dashboard.

3. Deployment Process:

- Deployed the project to the staging environment.
- Encountered a few deployment errors during the process, including incorrect environment variable configurations and build issues.
- Debugged all errors successfully and ensured a smooth deployment.

4. Staging Environment Testing:

- Verified all application features like product listing, cart operations, and API integrations.
- Conducted performance testing using **Lighthouse** and ensured responsiveness and speed optimization.

5. Final Outcome:

- The project is now successfully deployed in the staging environment with all functionalities working as expected.
- All documentation, test reports, and project files are organized in the GitHub repository.
- A detailed README.md file summarizing all six days' activities is included.

