

Documentation: Hackathon Marketplace Website - Day 6 (Next.js & Sanity)  
This report details the progress made on Day 6 of development, focusing on environment variables, comprehensive test cases, a README file, GitHub repository structure, and the persistent Vercel deployment issue.

#### 1. Environment Variables:

Implementation: All sensitive information, such as API keys and secret tokens, are now stored as environment variables. This enhances security by preventing these credentials from being exposed in the codebase.

Configuration: The necessary environment variables were configured for both the local development environment and the production environment (intended for Vercel deployment).

#### 2. Comprehensive Test Cases:

Expansion: The test suite was expanded to include more comprehensive test cases, covering a wider range of scenarios and edge cases. This includes testing various user interactions, data validation, and error handling. (Provide a table similar to Day 5's test case table, but with the added test cases and their results).

Automation: (If applicable) Automated testing was implemented to streamline the testing process and ensure consistent results. Mention the testing framework used (e.g., Jest, Cypress).

#### 3. README File:

Creation: A comprehensive README file was created for the project. This file provides essential information for anyone working with the codebase, including:

- Project description
- Installation instructions
- Usage examples
- Information about the technologies used
- Contribution guidelines
- Details about environment variables
- Explanation of the project structure

#### 4. GitHub Repository Structure:

Organization: The project repository on GitHub was organized to maintain a clear and logical structure. This includes:

- Clearly defined folders for different parts of the application (e.g., components, pages, API routes).

- Consistent naming conventions for files and folders.

- A well-structured public directory for static assets.

- A dedicated folder for tests.

Day 1-6 Hierarchy: The repository reflects the development process from Day 1 to Day 6, showing the evolution of the project. Commits and branches (if used) provide a clear history of the work done.

#### 5. Vercel Deployment Issue (Ongoing):

Status: The Vercel deployment issue persists. Despite extensive troubleshooting, the root cause of the error has not yet been identified.

Further Investigation: The following steps are planned for further investigation:

Detailed analysis of the Vercel build logs, focusing on any specific error messages or warnings.

Comparison of the local development environment configuration with the Vercel environment.

Testing with a minimal reproduction of the issue to isolate the problem.

Seeking support from the Vercel community or support team.

Alternative Deployment Options: As a contingency, alternative deployment platforms (e.g., Netlify, AWS Amplify) are being considered in case the Vercel issue cannot be resolved in a timely manner.

Note for Giaic Teachers:

The core functionality of the website is complete and thoroughly tested in the local development environment. The remaining challenge is the Vercel deployment error, which I am actively working to resolve. I have implemented the necessary environment variables, comprehensive test cases, and a detailed README file. The GitHub repository is well-structured and reflects the progress made throughout the development process. I am exploring alternative deployment solutions as a backup. I can demonstrate the fully functional website in my local environment at any time. I understand the importance of the deadline and am committed to making the website accessible online as soon as possible.