

DAY 6 - DEPLOYMENT PREPARATION AND STAGING ENVIRONMENT SETUP

- **Finalized the application's interaction with backend services by Sanity CMS**
- **Used Vercel CLI for deployment**

Environment Variable Configuration

- Secured API keys, database credentials, and sensitive data using .env files.
- Configured environment variables in the hosting platform for secure deployment.
- Updated webhook keys to ensure smooth automated deployments.

Staging Environment Setup

- Deployed the application to a staging environment for testing in a production-like setting.
- Validated that the deployment builds successfully and the site loads without issues.

Staging Environment Testing

- Performed **performance testing** with Pagespeed insight to analyze load times and responsiveness.
- Executed **security checks** to prevent SQL injection, ensure HTTPS, and protect sensitive data.
- Verified **responsiveness** and error handling across different devices and browsers.
- Documented all test results and noted unresolved issues for resolution

Documentation Updates

- Created a **README.md** file summarizing all six days of activities.
- Organized all **reports, test cases, and deployment instructions** into a structured GitHub repository.
- Ensured clear documentation for **future maintenance and collaboration**.