# **Deployment Process for Next.js Furniture Website**

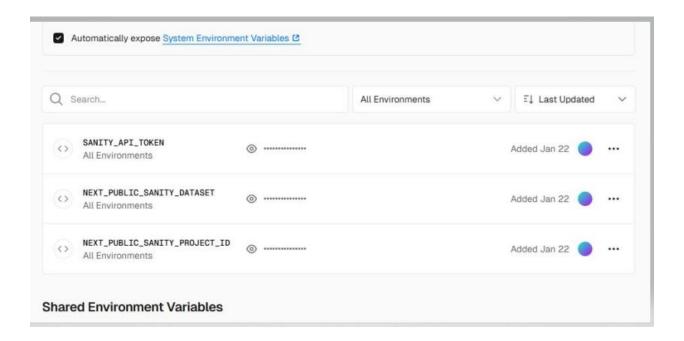
# **Day 6 – Deployment Preparation & Staging Environment Configuration**

# 1. Hosting Platform Setup & Configuration

- Platform Chosen: Vercel for seamless deployment and performance optimization.
- **Integration with GitHub**: Connected repository for CI/CD to ensure auto-deploy on new commits.
- **Build Settings**: Configured custom build settings to optimize for secure and efficient deployment.
- **Environment Variables**: Defined secure environment variables for sensitive information during build and runtime.

#### 2. Secure Environment Variables Configuration

- Created a .env file to handle sensitive configuration securely:
  - NEXT\_PUBLIC\_SANITY\_PROJECT\_ID: Identifier for connecting to Sanity CMS.
  - NEXT\_PUBLIC\_SANITY\_DATASET: Dataset used for storing production data.
  - o API\_KEY: Protected API keys for integration with third-party services.
- Uploaded the .env variables to Vercel for secure access during deployment.



# 3. Staging Deployment & Verification Process

- **Staging Deployment**: Successfully deployed the furniture website to Vercel's staging environment.
- **Deployment Status**: Build process completed without any issues.
- **Site Loading Test**: Verified staging site for proper functionality, including page performance and responsive design.

# **Performance Testing & Evaluation**

- Page Load Speed: Achieved optimal load times for both mobile and desktop users.
- **Browser Compatibility**: Tested across multiple browsers to ensure consistent user experience.

file:///C:/Users/DELL/localhost\_2025-01-22\_22-51-26.report.html http://localhost:3000/ 87 100 65 Performance Accessibility Best Practices Performance Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator. 50-89 90-100 ▲ 0-49 Expand view METRICS Largest Contentful Paint First Contentful Paint 0.8s4.0 s

Console Al assistance 丛	Developer resources Performance monitor X					
✓ CPU usage  ✓ JS heap size  ✓ DOM Nodes  ✓ JS event listeners  ☐ Documents  ☐ Document Frames	3:19:10 AM CPU usage - 100% - 50% - 50% - JS heap size - 20.0 MB	3:19:20 AM	3:19:30 AM	3:19:40 AM	3:19:50 AM	3:20:00 AM
☐ Layouts / sec ☐ Style recalcs / sec	DOM Nodes					