

Day 6-Staging Environment Deployment -Restaurant Website

Deployment Preparation and Staging Environment Setup Report for Restaurant Website

Step 1: Hosting Platform Setup

1. **Platform Chosen:**
The restaurant website has been deployed on **Vercel** for quick and efficient hosting.
2. **GitHub Repository Connection:**
The GitHub repository for the project has been successfully connected to Vercel, and build settings are configured.

Step 2: Environment Variables Configuration

1. **.env File Setup:**
The .env file has been created and includes sensitive environment variables such as:
 - `NEXT_PUBLIC_SANITY_PROJECT_ID`
 - `NEXT_PUBLIC_SANITY_DATASET`
 - `API_KEY`
2. **Environment Variables Uploaded to Vercel:**
The environment variables have been securely uploaded to Vercel's dashboard.

Step 3: Deployment to Staging

1. **Deployment to Staging:**
The website was successfully deployed to the staging environment on Vercel.
2. **Build Errors:**
During the deployment process, some build errors were encountered due to unused imports and unused `useState`. These errors were resolved by removing the unused code.
3. **Validation:**
The build process completed successfully after addressing the errors, and the website was deployed to the staging environment.

Step 4: Staging Environment Testing

1. **Functional Testing:**
Several test cases were executed to validate the website's functionality. These tests included verifying that products are displayed correctly on the homepage, filters and

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search functionality work accurately, and cart operations (add, update, remove) function as expected. All tests passed successfully.

2. **Performance Testing:**

Performance was tested using Lighthouse, yielding the following scores:

- Performance: **97**
- Accessibility: **78**
- Best Practices: **96**
- SEO: **91**

While performance and SEO are great, accessibility can be improved further.

3. **Security Testing:**

Input fields were tested with invalid data (e.g., long phone numbers and incorrect emails), and the system handled errors appropriately by providing feedback in the UI.