Day 6 – Deployment

Preparation and Staging Environment Setup

Overview

This document details the steps taken to successfully deploy the Avion marketplace website to Vercel, the challenges encountered during the deployment process, and their resolutions. It also confirms the successful deployment and functionality of the website.

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Deployment Process

1. Initial Deployment Attempt

- The first deployment of the website to Vercel was initiated. The following errors were encountered:
    - Error with &apos and &lqos:
        - These errors were related to character encoding in the codebase.
        - Resolution: Reviewed the code and replaced any encoded entities (&apos and &lqos) with their respective characters (e.g., ' and "). After fixing these, the deployment proceeded to the next step.
- Environment Variable Errors:
    - The deployment process flagged missing or incorrect environment variables.
    - Action Taken: Added the following environment variables to Vercel's settings:

        1. SANITY_API_KEY – API key for Sanity CMS.
        2. SANITY_DATASET – Dataset name used in Sanity.
        3. SANITY_PROJECT_ID – Project ID for Sanity CMS.

2. Error with Unnecessary API Token

- After setting the environment variables, the deployment process threw an error stating that the SANITY_API_TOKEN was not required.
- Resolution: Removed the unnecessary SANITY_API_TOKEN variable from Vercel's settings. After this, the deployment process ran without further issues.

Final Deployment

Steps:

1. Fixed all identified errors in the codebase and configuration.
2. Configured the required environment variables in Vercel:
    - SANITY_API_KEY
    - SANITY_DATASET
    - SANITY_PROJECT_ID
3. Removed the unused environment variable SANITY_API_TOKEN.
4. Re-deployed the application on Vercel.

Deployment Confirmation:

- Once the deployment completed successfully, the website was tested for functionality.

Post-Deployment Testing

Key Areas Tested:

1. **Component Functionality:**
    - Verified that all components, such as the landing page, product details, cart, and checkout pages, worked as expected.
2. **Responsiveness:**
    - Tested the website on different devices and screen sizes to ensure responsiveness.
3. **API Integration:**
    - Confirmed that the Sanity CMS API was correctly integrated, and data was being fetched/displayed as expected.

4. User Flows:
    o Tested user registration, login, adding products to the cart, and completing the checkout process.

Outcome:

- The website was confirmed to be fully functional, responsive, and working as expected in the staging environment.

Conclusion

The Avion marketplace website was successfully deployed to Vercel. All components are fully functional and responsive. This staging environment can now be used for further testing and user feedback before moving to production.

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