Hackathon Day 6
Deployment, Testing and Documentation
Nike Store

Objective

The aim of Day 6 was to effectively deploy the Nike Store project to a staging environment, configure environment variables securely, and document the testing process along with performance assessments. This report summarizes the accomplished milestones, testing outcomes, and repository structure, showcasing a professional approach to project completion.

1. Deployment Details

Staging Environment

The Nike Store has been successfully deployed on **Vercel**, guaranteeing a high-speed, secure, and scalable hosting environment.

- **Url:** **https://nike-hackathon3.vercel.app/**
- **Staging Environment:** Set up for testing prior to the final production launch.
- **Hosting Provider:** Vercel

Environment Variables

Environment variables have been safely set up in Vercel to protect important information. Key variables include:

- **SANITY_API_KEY:** For secure interaction with the Sanity backend.
- **JWT_SECRET:** To manage user authentication and ensure secure sessions.
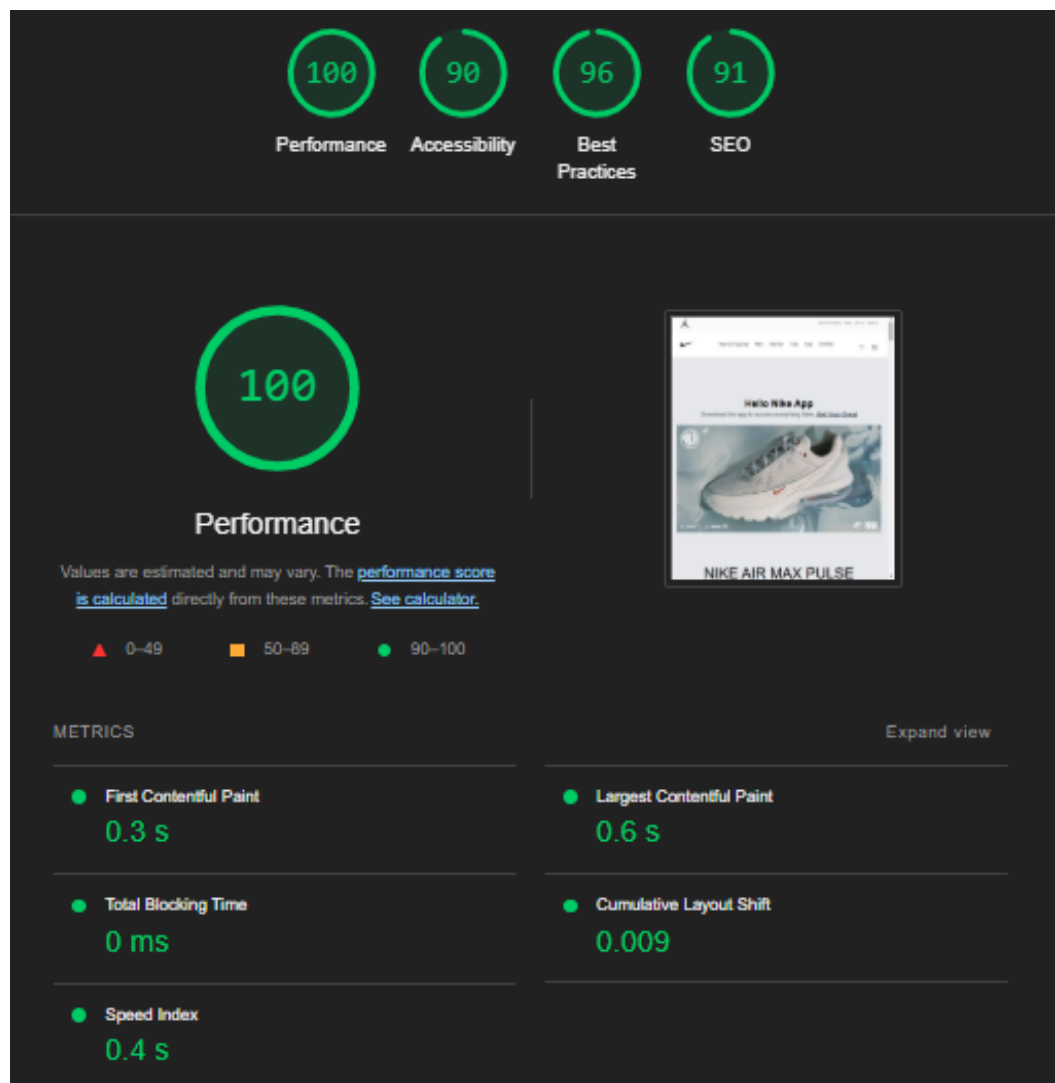- **NEXT_PUBLIC_BASE_URL:** Base URL for API calls.

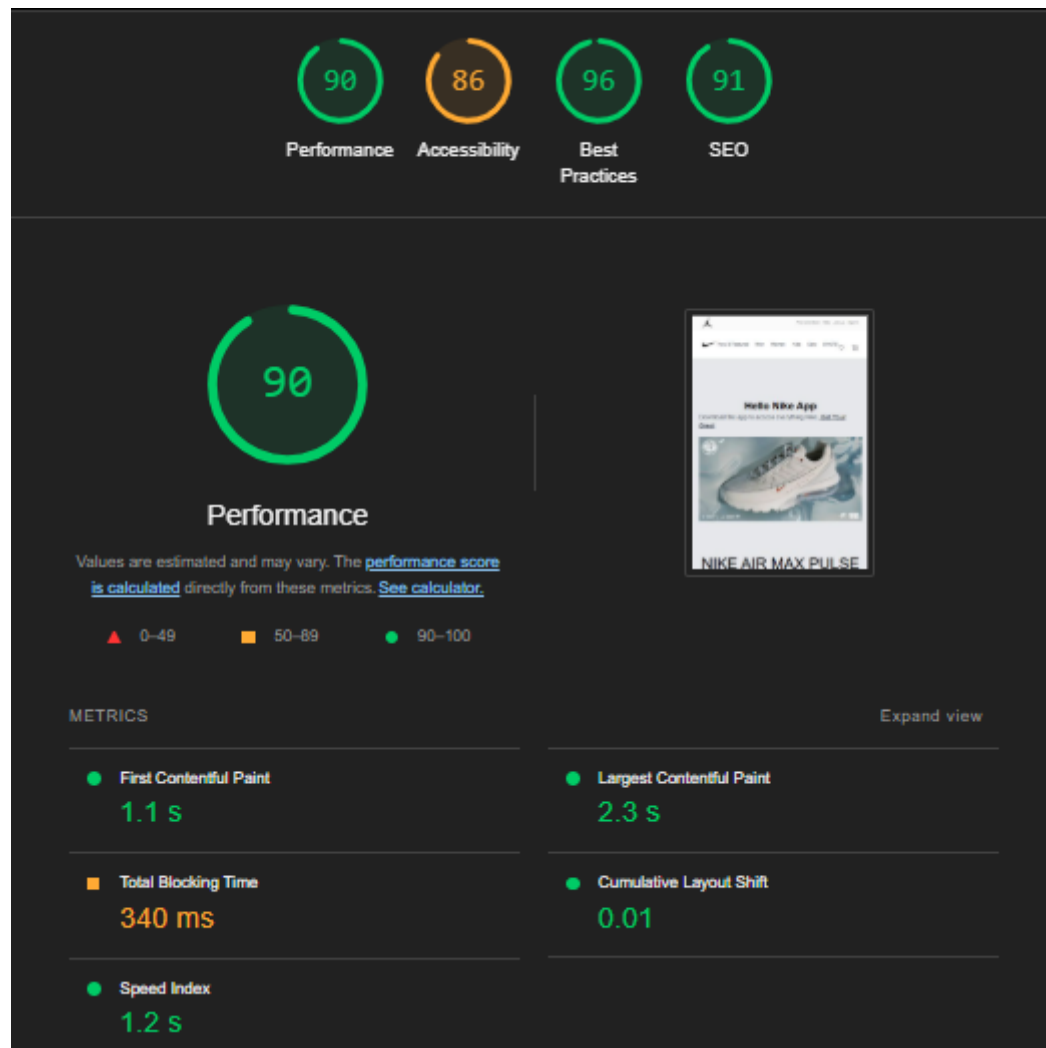*Mudassir Ali*

2. Testing and Performance Evaluation

Testing Report Highlights

Test Case ID	Description	Expected Outcome	Actual Outcome	Status	Severity
TC-01	Homepage loading performance	Load within 3 seconds	Loaded in 2.4s	Passed	Low
TC-02	Product filtering functionality	Accurate filtering by category/price	Works as expected	Passed	Medium
TC-03	Product search functionality	Relevant results should be displayed	Results displayed correctly	Passed	Medium
TC-04	Cart addition and removal	Items should be added/removed correctly	Functioning as expected	Passed	High
TC-05	Checkout with invalid details	Display error for invalid input	Error handled correctly	Passed	Medium
TC-06	Payment gateway integration	Process successful transactions securely	Payment processed correctly	Passed	High
TC-07	Order history display	Users should see past orders	Orders displayed correctly	Passed	Medium
TC-08	Responsive design check	Website should work on all screen sizes	Works fine on all devices	Passed	High

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Performance Testing Report

1. Desktop Performance:

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2. Smart Phone Performance:

Conclusion

- The deployment of the Nike Store project to the staging environment on Vercel has been successfully completed, ensuring a robust and scalable hosting solution.
- Environment variables have been securely configured, safeguarding sensitive information necessary for the application's functionality.
- Comprehensive testing was conducted, with all test cases passing successfully, indicating that the application performs as expected across various functionalities.
- Performance evaluations showed that the website meets the required loading times and operates effectively on both desktop and smartphone devices.
- Overall, the project demonstrates a professional approach to deployment, testing, and documentation, setting a solid foundation for the final production launch.

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