Day 6 - Deployment Preparation and Staging Environment Setup

Deployment Information:

- **Platform:** Vercel
- **GitHub Repository:** https://github.com/TayyabAli92/Nike-Shoes-Fully-Functionally-website
- **Staging Environment:** https://nike-shoes-topaz-seven.vercel.app/

Environment Setup Process

1.   Hosting Platform Configuration:

Chosen hosting service: Vercel.

Linked the GitHub repository with Vercel.

Set up build configurations and added environment variables for a secure deployment.

2. Environment Variables Configuration:

- Created a `.env` file containing the following variables:
- `NEXT_PUBLIC_SANITY_PROJECT_ID`: Identifier for the Sanity project.
- `NEXT_PUBLIC_SANITY_DATASET`: Name of the production dataset.
- `API_KEY`: Authentication key for third-party services.

- Securely uploaded the environment variables to Vercel.

NEXT_PUBLIC_SANITY_PROJECT_ID
All Environments
············ Added 7h ago

NEXT_PUBLIC_SANITY_DATASET
All Environments
············ Added 7h ago

SANOTY_API_TOKEN
All Environments
············ Added 7h ago

Staging Deployment:

- Successfully deployed the application to the staging environment.
- Ensured the build process completed without errors.
- Confirmed that the site loaded properly and functioned as expected.


```
C:\Users\Dell\Desktop\fully-functionally-e-commerce>npm run build

> template-3@0.1.0 build
> next build

  ▲ Next.js 15.0.4
  - Environments: .env.local

  Creating an optimized production build ...
✓ Compiled successfully


✓ Linting and checking validity of types
✓ Collecting page data
✓ Generating static pages (12/12)
✓ Collecting build traces
✓ Finalizing page optimization

Route (app)                                Size       First Load JS
┌ o /                                      4.53 kB          151 kB
├ o /_not-found                            905 B            101 kB
├ o /cart                                  1.73 kB          128 kB
├ o /checkout                              3.02 kB          121 kB
├ o /help                                  184 B            106 kB
├ o /join                                  184 B            106 kB
├ o /login                                 184 B            106 kB
├ o /product                               2.54 kB          161 kB
├ o /product-detail                        1.57 kB          107 kB
├ ƒ /product/[id]                          1.88 kB          151 kB
└ o /studio/[[...tool]]                     1.28 MB         1.42 MB
+ First Load JS shared by all              100 kB
  ├ chunks/1517-841e40f43c47304e.js        45.7 kB
  ├ chunks/4bd1b696-25c326edd8443693.js    52.5 kB
  └ other shared chunks (total)            2.3 kB


o  (Static)   prerendered as static content
ƒ  (Dynamic)  server-rendered on demand
```
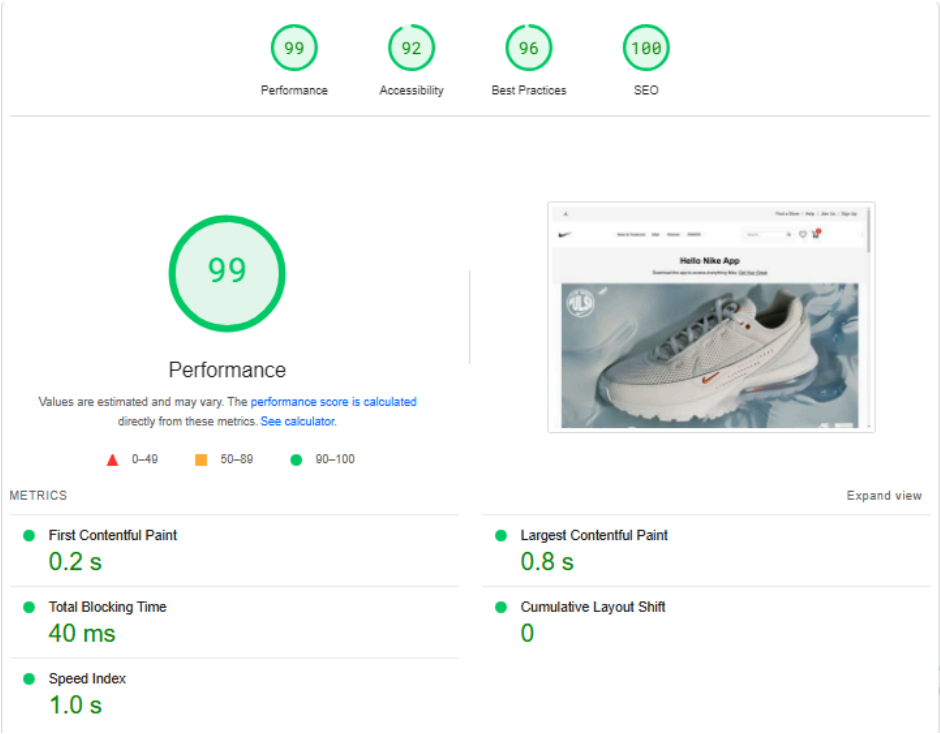
Performance Evaluation Report

1. **Desktop Performance:**

    The application was tested on desktop devices to evaluate loading speed, responsiveness, and overall performance. Metrics such as render time, interactivity, and resource utilization were analyzed to ensure optimal functionality.

2. . Mobile Performance:

        The application's performance on mobile devices was assessed, ensuring smooth navigation, fast load times, and responsiveness. Key metrics such as page speed, interaction delays, and visual stability were analyzed to optimize user experience.