Day 6 Deployment Preparation and Staging Environment Setup

Work Accomplished

1. Hosting Platform Setup

- Connected the GitHub repository to Netlify.

- Configured build and deployment settings for smooth staging deployment.

- Verified that the deployment process completed without errors.

Deploy log

> Initializing	✓	Complete
> Building	✓	Complete
> Deploying	✓	Complete
> Cleanup	✓	Complete
> Post-processing	✓	Complete

2. Environment Variables Configuration

- Created a .env file locally containing sensitive variables:

```
.env.local
1   NEXT_PUBLIC_BASE_URL=http://loca
2   NEXT_PUBLIC_SANITY_PROJECT_ID="c
3   NEXT_PUBLIC_SANITY_DATASET="proc
4   NEXT_PUBLIC_SANITY_API_TOKEN="sk
```

- Secured the variables within Netlify's environment settings dashboard to ensure confidentiality and proper functionality.

CLERK_SECRET_KEY
All scopes · Same value in all deploy contexts

NEXT_PUBLIC_BASE_URL
All scopes · Same value in all deploy contexts

NEXT_PUBLIC_CLERK_PUBLISHABLE_KEY
All scopes · Same value in all deploy contexts

NEXT_PUBLIC_SANITY_DATASET
All scopes · Same value in all deploy contexts

NEXT_PUBLIC_SANITY_PROJECT_ID
All scopes · Same value in all deploy contexts

SANITY_API_READ_TOKEN
All scopes · Same value in all deploy contexts

SANITY_API_TOKEN
All scopes · Same value in all deploy contexts

STRIPE SECRET KEY

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3. Staging Environment Deployment

- Successfully deployed the application to the staging environment on Netlify.
- Validated basic functionality, including:
  - Page loading without errors.
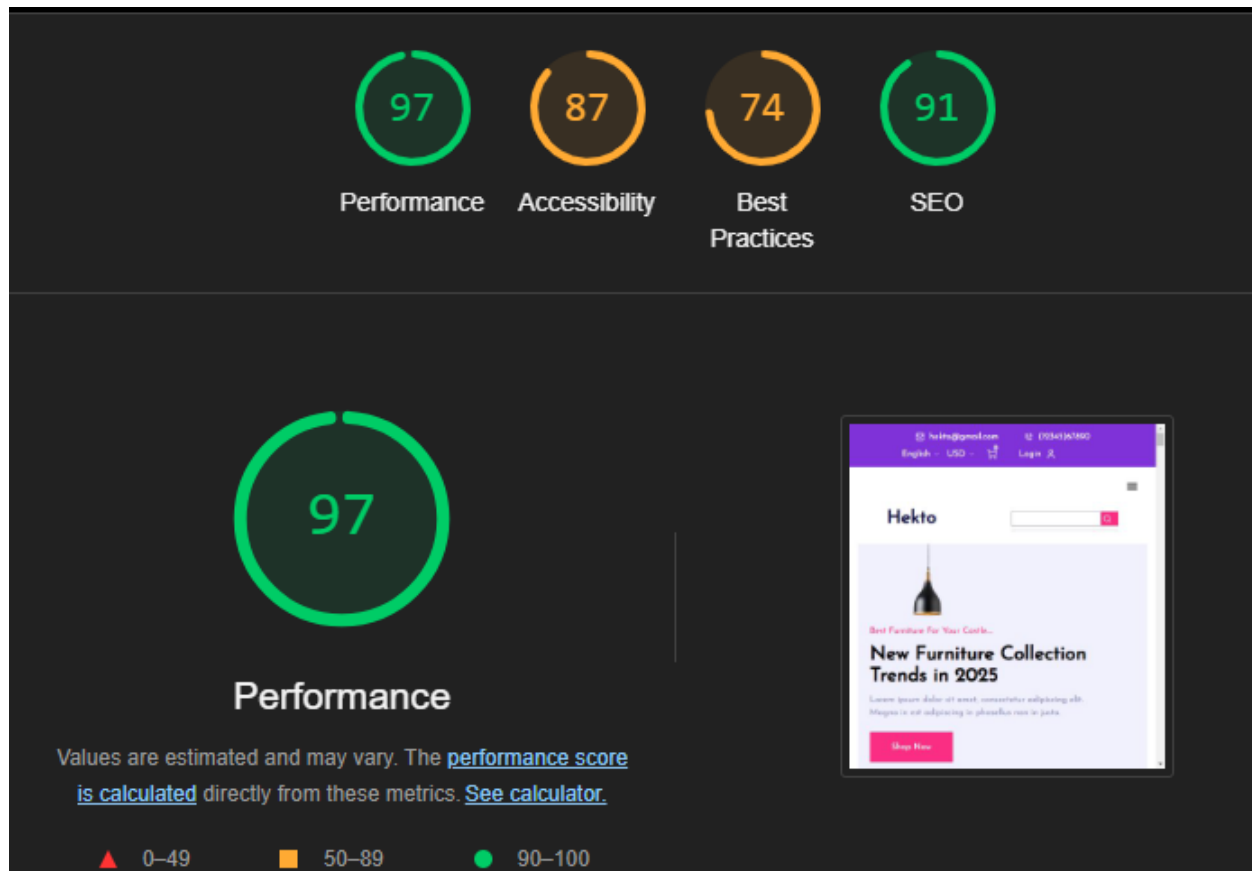
o   Proper functioning of APIs.

4. Staging Environment Testing

a. Functional Testing:

- Verified workflows, including navigation, form submissions, and API functionality.
- Ensured all interactive components were working as expected.

b. Performance Testing:

- Used **Lighthouse** to measure performance metrics such as:
  - o   Speed
  - o   Responsiveness
  - o   Accessibility

Expected Output Delivered

1. **Deployed Staging Link**: "https://ecommerce-hackathon.netlify.app/"
2. **GitHub Repository**: "https://github.com/shezafatima/Document"
   a. Contains:
      i. **Documents** folder with all reports and notes from Day 1 to Day 6.
      ii. Test case report in CSV format.
      iii. Performance testing results.
      iv. Deployment documentation, including a structured README.md file.

Checklist for Submission

A	B
Deployment preparation completed.	☑
Staging environment tested and validated.	☑
Documentation updated and submitted.	☑

Conclusion

The deployment preparation and staging environment setup were successfully completed. The application is ready for further evaluation and deployment to the production environment.