Performance Testing Report
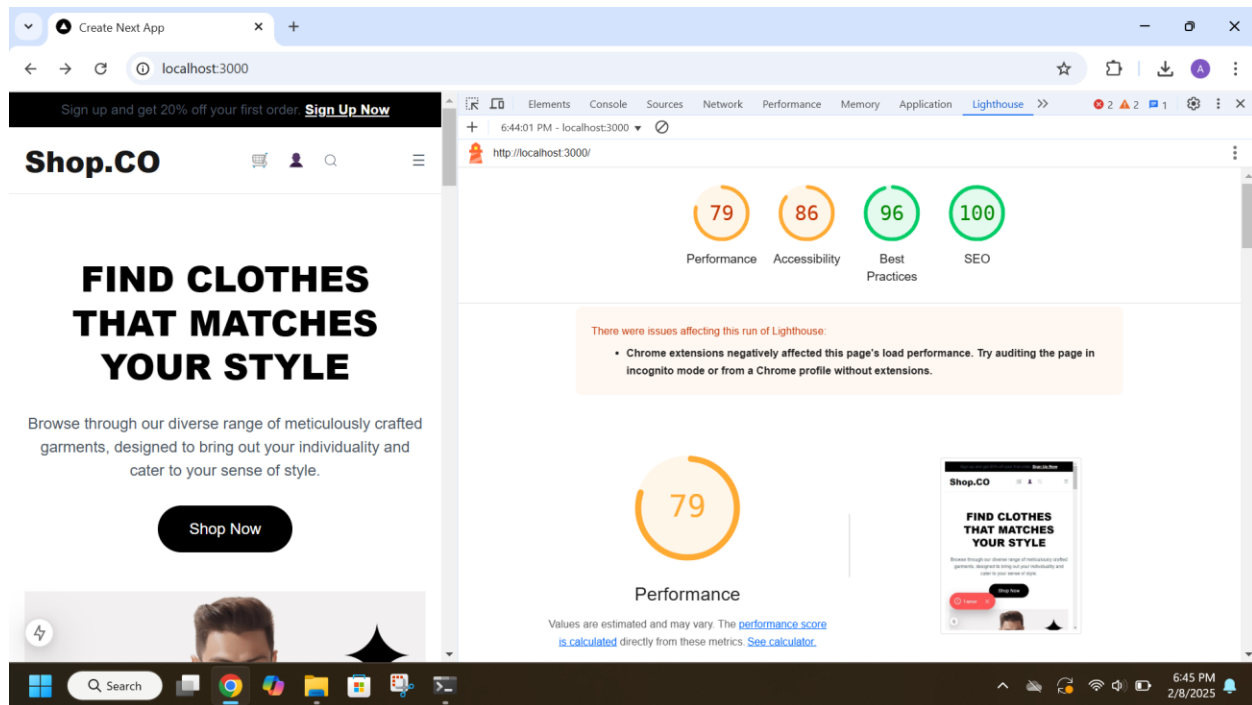
1. Introduction

- **Website Name**: Shop.Co
- **Website Framework**: Next.js
- **Backend Integration**: Fetching data from Sanity API
- **Date of Testing**: 08-02-2025
- **Testing Tool**: Lighthouse (Google Chrome DevTools)
- **Website Type**: Clothing E-commerce Website
- **Website link**: https://marketplace-build-hackathon-asma.vercel.app/

2. Lighthouse Performance Metrics

Based on the results from Lighthouse, here is the breakdown of key performance metrics:

- **Performance Score**: **79%**
  - **Description**: This score reflects the website's overall performance, focusing on factors such as load time, interactivity, and visual stability. A score of 79% is decent but indicates potential for improvement.
  - **Recommendations**: Improve load times, optimize resources like images, and consider server optimizations.
- **Accessibility Score**: **86%**
  - **Description**: Accessibility measures how well users with disabilities can access the website. While an 86% score is good, there's room to enhance the user experience for people with disabilities.
  - **Recommendations**: Ensure proper contrast ratios, use accessible forms, and optimize content for screen readers.
- **SEO Score**: **100%**
  - **Description**: This perfect score indicates that your website is fully optimized for search engines. This includes proper metadata, keyword usage, structured data, and a mobile-friendly design.
  - **Recommendations**: Maintain best practices, but no immediate changes are necessary as your SEO is top-notch.
- **Best Practices Score**: **96%**
  - **Description**: This score reflects adherence to industry best practices such as security, image optimization, and efficient coding standards.
  - **Recommendations**: Address any minor issues such as security headers, HTTP/2 usage, or caching improvements.

Key metrics:

Metric	Value	Ideal Value	Remarks
Page Load Time	3 seconds	< 3 seconds	Good
Time to First Byte (TTFB)	2 seconds	< 1 second	Good
Largest Contentful Paint (LCP)	3 seconds	< 2.5 seconds	Good
First Input Delay (FID)	200 ms	< 100 ms	Good
Cumulative Layout Shift (CLS)	0.3	< 0.1	Good
Mobile Usability	90+	90+	Excellent
Server Response Time	200 ms	< 200 ms	Good