

GetawayGo

Lighthouse testing

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Introduction

Lighthouse is a free tool from Google that helps improve websites by testing performance, accessibility, SEO, and best practices. It provides a report with scores and suggestions to optimize your site, making it faster and more user-friendly. In this document, I present the results of 2 of the pages of the website of GetawayGo.

Results and Explanations

The homepage performed extremely well with 95 score for Performance, 92 for Accessibility, and 100 for SEO. The Best Practices were at a 52 score, which was expected due to the fact that I have the functionality to show the properties that are in the same country as the user. So, the website asks for your permission to share your location. Of course, the user can always decline. This is an important functionality, so the low score can be considered okay.

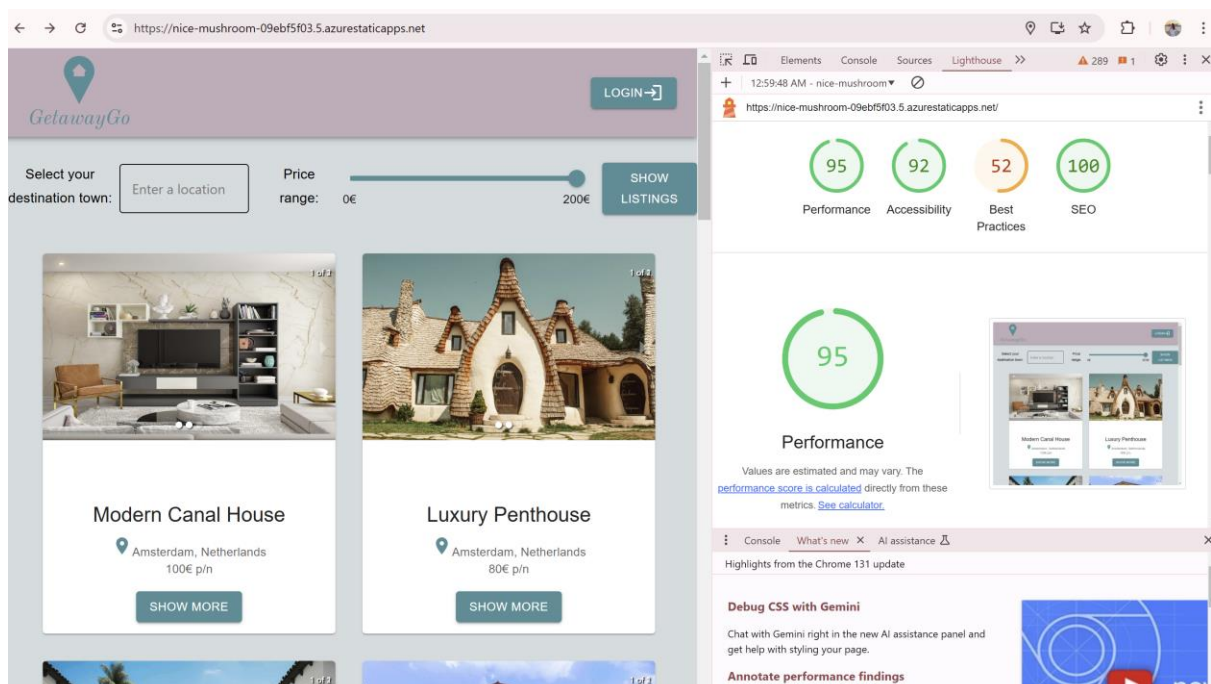


Figure 1 – Homepage results report

I also tested the register page, which also performed really well.

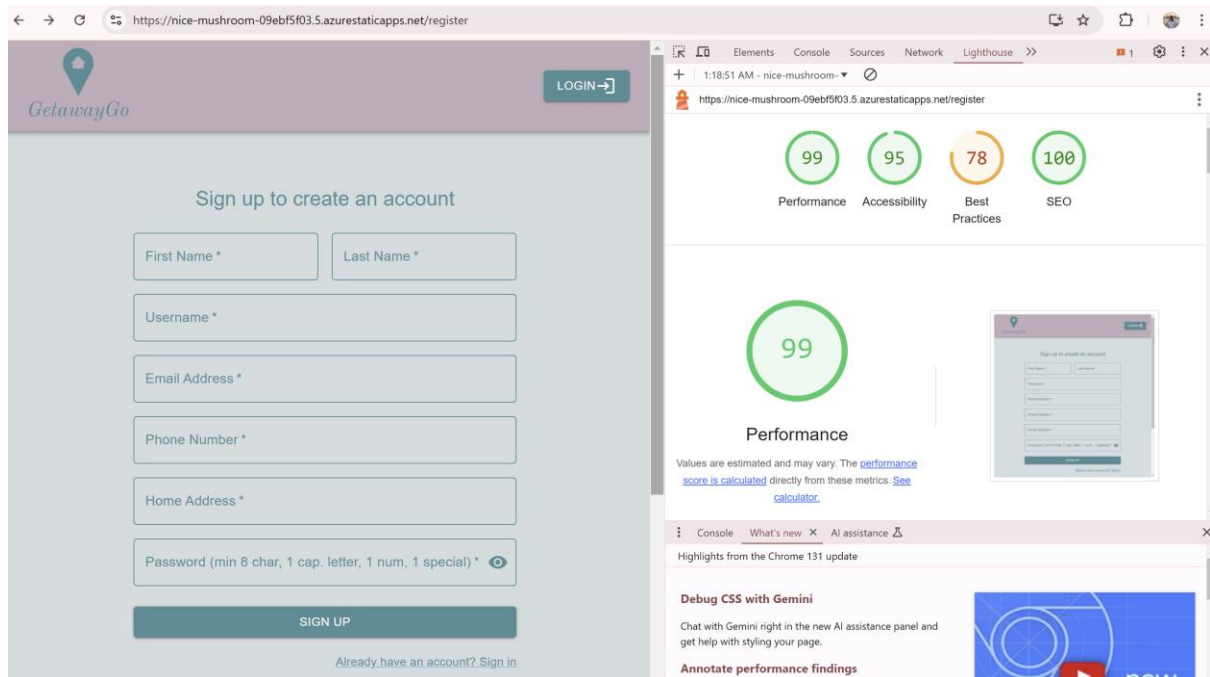


Figure 2 – Register page results report

One really important thing to note is that the homepage of the application dynamically loads properties from the database and uses the Google API to fetch location data, which adds complexity compared to the simpler register page. Despite this, both pages achieve similar performance scores, demonstrating effective optimization. This highlights efficient database queries, well-implemented API usage, and proper front-end optimization, ensuring the additional functionality does not impact the user experience or loading speed.

Conclusion

The Lighthouse testing results show that both the homepage and register page perform exceptionally well, despite the homepage handling more complex functionalities. This demonstrates effective optimization techniques. Based on the reports, I made several improvements, including optimizing image rendering, reducing unnecessary network requests, and refining front-end performance. These changes helped maintain high scores across performance, accessibility, and SEO, ensuring a seamless and user-friendly experience.