



SECV2223-02

WEB PROGRAMMING

SEMESTER 2  
2024/2025

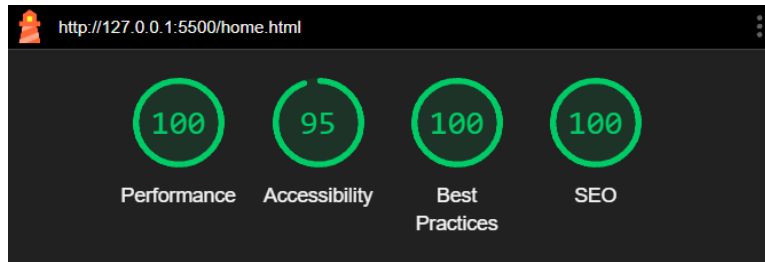
ASSIGNMENTS - 2: REFLECTION AND AUDITING RESULTS  
REPORT

**TITLE: PERSONAL PORTFOLIO WEBSITE WITH HTML, CSS  
AND JAVASCRIPT**

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## Portfolio Website Auditing Result using Google Lighthouse Tools



**Figure 1.1:** Portfolio website auditing results for both mobile and desktop using Google Lighthouse Tools.

### 1.1.1 Reflection on My Portfolio Website Design and Audit Improvements.

For Assignment 2 in Web Programming (SECV2223), I developed and constructed a personal portfolio website using HTML, CSS, and JavaScript, according to semantic HTML, Flexbox/CSS Grid, and responsive design principles. My objective was to develop a nice, user-friendly site while obtaining an excellent rating on Google Lighthouse auditing tools in Performance, Accessibility, Best Practices, and SEO.

My design approach started with establishing the website structure that has three pages Home, About Me, Projects pages, by using semantic tags for better organization and accessibility. I utilised CSS Flexbox for the navigation and hero parts, and CSS Grid for the project layout, delivering a responsive design with media queries for mobile devices. I supplied a biography, placeholder professional photograph, two project examples, and connections to GitHub completing the content criteria. The visual design focused on readability with a restricted color palette, Arial font, and suitable font sizes, adhering to the text guideline of employing no more than three font types.

The Google Lighthouse audit results shows that my website had an excellent result by getting 100 in Performance, 95 in Accessibility, 100 in Best Practices and 100 in SEO on both mobile and desktop. The results are monument to the efforts taken to provide a speedy, accessible and standards compliant website experience. Since Accessibility is the only one that scored 95, I try to make an adjustment by including informative alt text to all images. After doing all that the score for Accessibility still was not improving because one image had insufficient explanation.

This whole process from basic concept to attaining good audit ratings helped me improve as a developer. It underlined the significance of performance, accessibility, and user-focused design. Moving ahead, I will continue implementing these concepts in future projects, constantly aiming to produce high-quality online experiences.

## Appendices

Gardner, E. (2025, February 25). *Full stack engineer with deep front-end experience.*

Ethan Gardner. <https://www.ethangardner.com/>

W3Schools.com. (n.d.). [https://www.w3schools.com/css/css3\\_flexbox.asp](https://www.w3schools.com/css/css3_flexbox.asp)

W3Schools.com. (n.d.-b). [https://www.w3schools.com/css/css\\_grid.asp](https://www.w3schools.com/css/css_grid.asp)

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