BACHELOR OF COMPUTER SCIENCE
(BIOINFORMATIC)

SECV2223 WEB PROGRAMMING

SESSION 2024/2025 - SEMESTER 02
Section 01

ASSIGNMENT 2: EVALUATE WEBSITE USING LIGHTHOUSE

DATE OF SUBMISSION : 11 MAY 2025

PREPARED BY :

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googlechrome.github.io/lighthouse/viewer/?psiurl=https%3A%2F%2Flianadarwisyah.github.io%2Fassignment-2-WB%2F%23&strategy=desktop&category=performa...

Verify it's you

https://lianadarwisyah.github.io/assignment-2-WB/#

96 Performance
100 Accessibility
100 Best Practices
91 SEO

96

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49　　■ 50–89　　● 90–100

METRICS   Expand view

● First Contentful Paint   ● Largest Contentful Paint
  0.2 s   0.5 s

● Total Blocking Time   ■ Cumulative Layout Shift
  0 ms   0.122

● Speed Index
  0.7 s

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96　100　100　91

100

Accessibility

These checks highlight opportunities to improve the accessibility of your web app. Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so manual testing is also encouraged.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)   Hide

○ Interactive controls are keyboard focusable   ⌄
○ Interactive elements indicate their purpose and state   ⌄
○ The page has a logical tab order   ⌄
○ Visual order on the page follows DOM order   ⌄
○ User focus is not accidentally trapped in a region   ⌄
○ The user's focus is directed to new content added to the page ⌄
○ HTML5 landmark elements are used to improve navigation   ⌄

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100

Best Practices

TRUST AND SAFETY

○ Ensure CSP is effective against XSS attacks

○ Use a strong HSTS policy

○ Ensure proper origin isolation with COOP

○ Mitigate clickjacking with XFO or CSP

PASSED AUDITS (14)   Show

NOT APPLICABLE (3)   Show

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SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on Core Web Vitals. Learn more about Google Search Essentials.

CONTENT BEST PRACTICES

⚠ Document does not have a meta description

Format your HTML in a way that enables crawlers to better understand your app's content.

ADDITIONAL ITEMS TO MANUALLY CHECK (1)   Show

Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (7)   Show