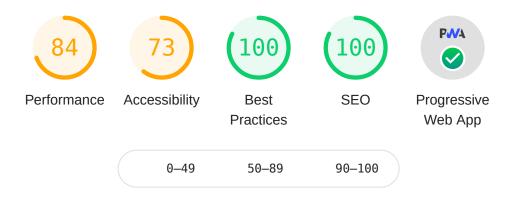


Passed audits (19)





## Performance

Metrics			_
First Contentful Paint	3.1 s	First Meaningful Paint	3.1 9
Speed Index	4.3 s	First CPU Idle	3.1 9
Time to Interactive	3.1 s	Max Potential First Input Delay	20 ms
View Trace			
/alues are estimated and may vary. The per	formance score is <u>based</u>	only on these metrics.	
	ę	4 4	
•	performance of your app	lication. These numbers don't directly affect to	he
Diagnostics — More information about the Performance score.  Ensure text remains visible during webfer		lication. These numbers don't <u>directly affect</u> t	
Performance score.		lication. These numbers don't <u>directly affect</u> t	he
Performance score.  Ensure text remains visible during webfore.	ont load	lication. These numbers don't directly affect t	\ \
Performance score.  Ensure text remains visible during webformance main-thread work — 3.0 s	ont load chains found		`



## Accessibility

These checks highlight opportunities to improve the accessibility of your web app. Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

Navigation — These are opportunities to improve keyboard navigation in your application.

▲ The page does not contain a heading, skip link, or landmark region
 ✓ Names and labels — These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.
 ▲ Form elements do not have associated labels
 ✓ Additional items to manually check (11) — These items address areas which an automated testing tool cannot cover. Learn more in our guide on conducting an accessibility review.
 Passed audits (8)
 ✓ Not applicable (25)



### **Best Practices**

Passed audits (15)



These checks ensure that your page is optimized for search engine results ranking. There are additional factors Lighthouse does not check that may

<b>Additional items to manually check (1)</b> — Run these additional validators on your site to check additional SEO best practices.	~
Passed audits (9)	~
Not applicable (4)	~



# Progressive Web App

These checks validate the aspects of a Progressive Web App. Learn more.

### Fast and reliable

Page load is fast enough on mobile networks	~
Current page responds with a 200 when offline	~
start_url responds with a 200 when offline	~
Installable	
Uses HTTPS	~
Registers a service worker that controls page and start_url	~
Web app manifest meets the installability requirements	~
PWA Optimized	
Redirects HTTP traffic to HTTPS	~
Configured for a custom splash screen	~
Sets an address-bar theme color	~
Content is sized correctly for the viewport	~
Has a <meta name="viewport"/> tag with width or initial-scale	~
Contains some content when JavaScript is not available	~
Provides a valid apple-touch-icon	~

 $\textbf{Additional items to manually check (3)} \ \ - \ \ \text{These checks are required by the baseline } \\ \underline{\textbf{PWA Checklist}} \ \ \text{but are not} \\$ 

#### **Runtime Settings**

URL https://cs3216-a3-quizard.web.app/login

**Fetch time** Sep 27, 2019, 12:38 PM GMT+8

**Device** Emulated Desktop

**Network throttling** 150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)

CPU throttling 4x slowdown (Simulated)

User agent (host) Mozilla/5.0 (X11; Linux x86\_64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/77.0.3865.75 Safari/537.36

User agent (network) Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_13\_6) AppleWebKit/537.36 (KHTML,

like Gecko) Chrome/74.0.3694.0 Safari/537.36 Chrome-Lighthouse

CPU/Memory Power 624

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