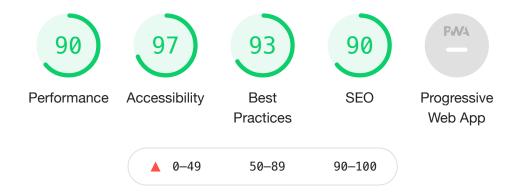


http://127.0.0.1:8000/





### Performance

Metrics			=
First Contentful Paint	0.6 s	Time to Interactive	0.6 s
Speed Index	0.6 s	Total Blocking Time	0 ms
Largest Contentful Paint	2.1 s	Cumulative Layout Shift	0.021

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

#### View Original Trace



















Opportunities — These suggestions can help your page load faster. They don't <u>directly affect</u> the Performance score.

Opportunity	Estimated Savings
▲ Properly size images	1.4 s 🗸
Serve images in next-gen formats	0.68 s 🗸
Eliminate render-blocking resources	0.44 s 🗸
Efficiently encode images	0.16 s V

**Diagnostics** — More information about the performance of your application. These numbers don't <u>directly affect</u> the Performance score.

	Serve static assets with an efficient cache policy — 6 resources found	~
	Avoid chaining critical requests — 5 chains found	~
	Keep request counts low and transfer sizes small − 12 requests • 1,900 KiB	~
	Largest Contentful Paint element - 1 element found	~
	Avoid large layout shifts — 5 elements found	~
Pas	ssed audits (25)	~



# 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.

Contrast - These are opportunities to improve the legibility of your content.

▲ Background and foreground colors do not have a sufficient contrast ratio.

Additional items to manually check (10) — These items address areas which an automated testing tool cannot cover.

Learn more in our guide on conducting an accessibility review.

Passed audits (16)

Not applicable (24)



## **Best Practices**

### **User Experience**

▲ Displays images with incorrect aspect ratio

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 affect your search ranking. <u>Learn more</u>.

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

▲ Document does not have a meta description	~
Additional items to manually check (1) — 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	~
<b>A</b>	Current page does not respond with a 200 when offline	~
<b>A</b> :	start_url does not respond with a 200 when offline No usable web app manifest found on page.	~
	Installable	
	Uses HTTPS	~
<b>▲</b> I	Does not register a service worker that controls page and start_url	~
<u> </u>	Web app manifest does not meet the installability requirements Failures; No manifest was fetched.	~

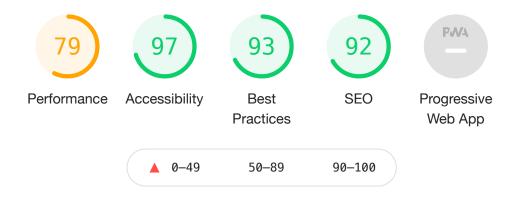
	Does not redirect HTTP traffic to HTTPS	`
<b>A</b>	Is not configured for a custom splash screen Failures: No manifest was fetched.	•
<b>A</b>	Does not set a theme color for the address bar.  Failures: No manifest was fetched, No ` <meta name="theme-color"/> ` tag found.	•
	Content is sized correctly for the viewport	,
	Has a <meta name="viewport"/> tag with width or initial-scale	•
	Contains some content when JavaScript is not available	•
A	Does not provide a valid apple-touch-icon	•
A	Manifest doesn't have a maskable icon No manifest was fetched	

П.		C-44:
Кι	ıntıme	Settings

URL	http://127.0.0.1:8000/
Fetch Time	Dec 13, 2020, 11:51 PM EST
Device	Emulated Desktop
Network throttling	40 ms TCP RTT, 10,240 Kbps throughput (Simulated)
CPU throttling	1x slowdown (Simulated)
Channel	devtools
User agent (host)	Mozilla/5.0 (Macintosh; Intel Mac OS X 11_0_1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36
User agent (network)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4143.7 Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	2265
Axe version	3.5.5



http://127.0.0.1:8000/





# Performance

Metrics			=
First Contentful Paint	1.7 s	Time to Interactive	2.2 s
Speed Index	1.7 s	Total Blocking Time	0 ms
▲ Largest Contentful Paint	5.7 s	Cumulative Layout Shift	0.034

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

#### View Original Trace





















Opportunities — These suggestions can help your page load faster. They don't <u>directly affect</u> the Performance score.

Opportunity	Estimated Savings
▲ Properly size images	7.35 s ∨
▲ Serve images in next-gen formats	4.2 s ×
▲ Efficiently encode images	1.05 s ∨
▲ Eliminate render-blocking resources	1.02 s ×
Remove unused JavaScript	0.45 s 🗸
Remove unused CSS	0.29 s 🗸

**Diagnostics** — More information about the performance of your application. These numbers don't <u>directly affect</u> the Performance score.

▲ Image elements do not have explicit width and height	~
▲ Serve static assets with an efficient cache policy — 6 resources found	~
Avoid chaining critical requests — 5 chains found	~
Keep request counts low and transfer sizes small − 12 requests • 2,004 KiB	~
Largest Contentful Paint element - 1 element found	~
Avoid large layout shifts — 4 elements found	~
Avoid long main-thread tasks — 1 long task found	~
Passed audits (22)	~



# 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.

**Contrast** — These are opportunities to improve the legibility of your content.

▲ Background and foreground colors do not have a sufficient contrast ratio. 

Additional items to manually check (10) — These items address areas which an automated testing tool cannot cover. 

Learn more in our guide on conducting an accessibility review.

Passed audits (16) 

Not applicable (24)



**Best Practices** 

#### **User Experience**

▲ Displays images with incorrect aspect ratio	~
Passed audits (15)	~
Not applicable (1)	~



These checks ensure that your page is optimized for search engine results ranking. There are additional factors Lighthouse does not check that may affect your search ranking. <u>Learn more</u>.

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

Additional items to manually check (1) — Run these additional validators on your site to check additional SEO best practices.

Passed audits (11)

Not applicable (2)



# 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 does not respond with a 200 when offline	~
▲ start url does not respond with a 200 when offline No usable web app manifest found on page.	~

	Installable	
	Uses HTTPS	\
<b>A</b>	Does not register a service worker that controls page and start_url	\
<b>A</b>	Web app manifest does not meet the installability requirements Failures: No manifest was fetched.	~
	PWA Optimized	
<u> </u>	Does not redirect HTTP traffic to HTTPS	~
<b>A</b>	Is not configured for a custom splash screen Failures: No manifest was fetched.	~
<b>A</b>	Does not set a theme color for the address bar.  Failures: No manifest was fetched, No ` <meta name="theme-color"/> ` tag found.	~
<b>A</b>	Content is not sized correctly for the viewport The viewport size of 389px does not match the window size of 360px.	~
	Has a <meta name="viewport"/> tag with width or initial-scale	~
	Contains some content when JavaScript is not available	<b>~</b>
<b>A</b>	Does not provide a valid apple-touch-icon	~
	Manifest doesn't have a maskable icon No manifest was fetched	~

Duntimo	Cattinga

Additional items to manually check (3) — These checks are required by the baseline <u>PWA Checklist</u> but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

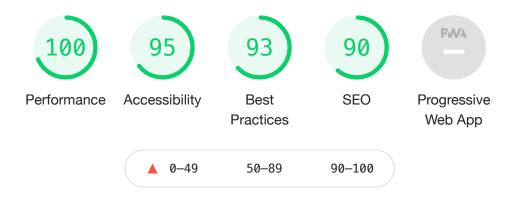
	Runtime Settings
URL	http://127.0.0.1:8000/
Fetch Time	Dec 13, 2020, 11:49 PM EST
Device	Emulated Moto G4
Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
CPU throttling	4x slowdown (Simulated)
Channel	devtools
User agent (host)	Mozilla/5.0 (Macintosh; Intel Mac OS X 11_0_1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36
User agent (network)	Mozilla/5.0 (Linux; Android 7.0; Moto G (4)) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4143.7 Mobile Safari/537.36 Chrome-Lighthouse

CPU/Memory Power 2262

Axe version 3.5.5



http://127.0.0.1:8000/quiz/





## Performance

Metrics			=
First Contentful Paint	0.4 s	Time to Interactive	0.4 s
Speed Index	0.4 s	Total Blocking Time	0 ms
Largest Contentful Paint	0.7 s	Cumulative Layout Shift	0

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

### View Original Trace



Opportunities — These suggestions can help your page load faster. They don't <u>directly affect</u> the Performance score.

Opportunity	Estimated Savings
Eliminate render-blocking resources	0.21 s 🗸
▲ Remove unused JavaScript	Error! V
▲ Remove duplicate modules in JavaScript bundles	Error! V
▲ Avoid serving legacy JavaScript to modern browsers	Error! V

**Diagnostics** — More information about the performance of your application. These numbers don't <u>directly affect</u> the Performance score.

Passed audits (26)	
Avoid large layout shifts — 1 element found	~
Largest Contentful Paint element - 1 element found	~
Keep request counts low and transfer sizes small − 9 requests • 358 KiB	~
Avoid chaining critical requests — 5 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.

Contrast - These are opportunities to improve the legibility of your content.

 ▲ Background and foreground colors do not have a sufficient contrast ratio.

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

 ▲ Heading elements are not in a sequentially-descending order

 Additional items to manually check (10) — These items address areas which an automated testing tool cannot cover.

 Learn more in our guide on conducting an accessibility review.

 Passed audits (16)

 Not applicable (23)



## **Best Practices**

#### **User Experience**

Displays images with incorrect aspect ratio

Passed audits (15)

Not applicable (1)



These checks ensure that your page is optimized for search engine results ranking. There are additional factors Lighthouse does not check that may affect your search ranking. <u>Learn more</u>.

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

▲ Document does not have a meta description

Additional items to manually check (1) — 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

**Uses HTTPS** 

	Page load is fast enough on mobile networks	~
	Current page does not respond with a 200 when offline	~
<b>A</b>	start_url does not respond with a 200 when offline No usable web app manifest found on page.	~
	Installable	

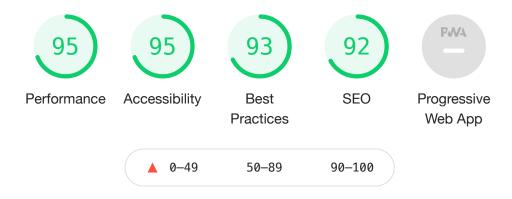
	Does not register a service worker that controls page and start_url	~
	Web app manifest does not meet the installability requirements Failures: No manifest was fetched.	~
	PWA Optimized	
<b>A</b>	Does not redirect HTTP traffic to HTTPS	~
	Is not configured for a custom splash screen Failures: No manifest was fetched.	~
<b>A</b>	Does not set a theme color for the address bar.  Failures: No manifest was fetched, No ` <meta name="theme-color"/> ` tag found.	~
	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	~
<b>A</b>	Does not provide a valid apple-touch-icon	~
	Manifest doesn't have a maskable icon No manifest was fetched	~
	ditional items to manually check (3) — These checks are required by the baseline PWA Checklist but are not tomatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.	~

### Runtime Settings

URL	http://127.0.0.1:8000/quiz/
Fetch Time	Dec 13, 2020, 11:54 PM EST
Device	Emulated Desktop
Network throttling	40 ms TCP RTT, 10,240 Kbps throughput (Simulated)
CPU throttling	1x slowdown (Simulated)
Channel	devtools
User agent (host)	Mozilla/5.0 (Macintosh; Intel Mac OS X 11_0_1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36
User agent (network)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4143.7 Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	2281
Axe version	3.5.5



http://127.0.0.1:8000/quiz/





# Performance

Metrics			=	
First Contentful Paint	1.5 s	Time to Interactive	1.5 s	
Speed Index	1.5 s	Total Blocking Time	0 ms	
Largest Contentful Paint	2.9 s	Cumulative Layout Shift	0	

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

### View Original Trace



Opportunities — These suggestions can help your page load faster. They don't directly affect the Performance score.

Opportunity	Estimated Savings
▲ Serve images in next-gen formats	0.98 s ×
Eliminate render-blocking resources	0.72 s ×
Efficiently encode images	0.6 s ×
Properly size images	0.3 s 🗸
Remove unused JavaScript	0.3 s ×
Remove unused CSS	0.15 s 🗸

**Diagnostics** — More information about the performance of your application. These numbers don't <u>directly affect</u> the Performance score.

▲ Serve static assets with an efficient cache policy — 3 resources found	~
Avoid chaining critical requests — 5 chains found	~
Keep request counts low and transfer sizes small − 9 requests • 349 KiB	~
Largest Contentful Paint element - 1 element found	~
Passed audits (25)	~



# 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.

**Contrast** — These are opportunities to improve the legibility of your content.

▲ Background and foreground colors do not have a sufficient contrast ratio.

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

▲ Heading elements are not in a sequentially-descending order

Additional items to manually check (10) — These items address areas which an automated testing tool cannot cover.

Learn more in our guide on conducting an accessibility review.

Passed audits (16)

✓

Not applicable (23)



**Best Practices** 

#### **User Experience**

▲ Displays images with incorrect aspect ratio	~
Passed audits (15)	~
Not applicable (1)	~



These checks ensure that your page is optimized for search engine results ranking. There are additional factors Lighthouse does not check that may affect your search ranking. <u>Learn more</u>.

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

Additional items to manually check (1) — Run these additional validators on your site to check additional SEO best practices.

Passed audits (11)

Not applicable (2)



# 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	~
<b>A</b>	Current page does not respond with a 200 when offline	~
<b>A</b>	start_url does not respond with a 200 when offline No usable web app manifest found on page.	~

### Installable

▲ Does not register a service worker that controls page and start_url	
Web app manifest does not meet the installability requirements Failures: No manifest was fetched.	
PWA Optimized	
▲ Does not redirect HTTP traffic to HTTPS	
Is not configured for a custom splash screen Failures: No manifest was fetched.	
Does not set a theme color for the address bar.	
Failures: No manifest was fetched, No ` <meta name="theme-color"/> ` tag found.	
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	
▲ Does not provide a valid apple-touch-icon	
Manifest doesn't have a maskable icon No manifest was fetched	
Additional items to manually check (3) — These checks are required by the baseline PWA Checklist but are not	

#### Runtime Settings

	Runtime Settings
URL	http://127.0.0.1:8000/quiz/
Fetch Time	Dec 13, 2020, 11:53 PM EST
Device	Emulated Moto G4
Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
CPU throttling	4x slowdown (Simulated)
Channel	devtools
User agent (host)	Mozilla/5.0 (Macintosh; Intel Mac OS X 11_0_1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36
User agent (network)	Mozilla/5.0 (Linux; Android 7.0; Moto G (4)) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4143.7 Mobile Safari/537.36 Chrome-Lighthouse
CDII/Memory Dower	2160

12/13/2020

GFU/INICITIOTY FOWER 2100

Axe version 3.5.5