https://client-8vxepibh6-liyao-zhangs-projects.vercel.app/app

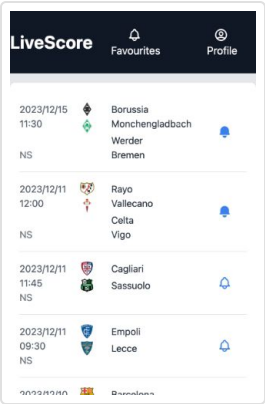| 84	100	91	87	PWA
Performance	Accessibility	Best Practices	SEO	PWA

84

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
0.8 s	2.9 s

Total Blocking Time	Cumulative Layout Shift
100 ms	0.198

Speed Index	
2.9 s	

View Treemap
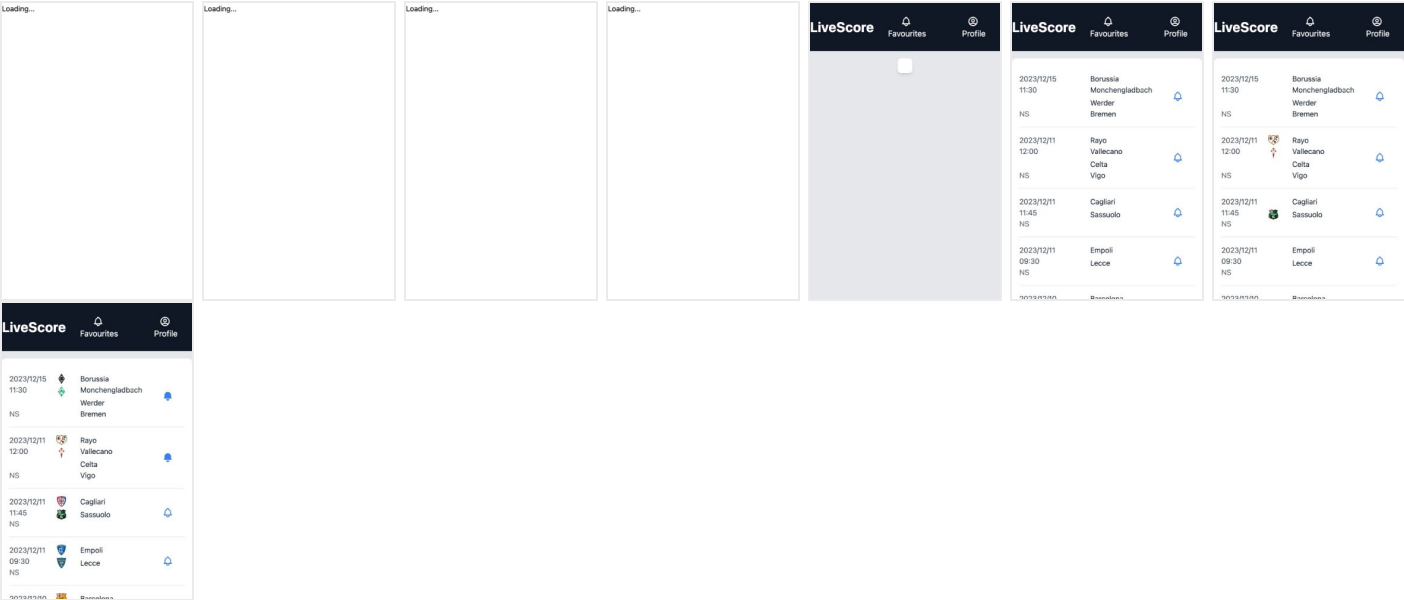
Show audits relevant to: All   FCP   LCP   TBT   CLS

OPPORTUNITIES

Opportunity	Estimated Savings
▲ Properly size images	2.01s ⌄
▲ Serve images in next-gen formats	1.36s ⌄
Preconnect to required origins	0.34s ⌄

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

DIAGNOSTICS

▲ Serve static assets with an efficient cache policy — 25 resources found	⌄
Avoid an excessive DOM size — 868 elements	⌄
◯ Avoid chaining critical requests — 1 chain found	⌄
◯ User Timing marks and measures — 2 user timings	⌄
◯ Largest Contentful Paint element — 2,900 ms	⌄
◯ Avoid large layout shifts — 1 element found	⌄
◯ Avoid long main-thread tasks — 2 long tasks found	⌄

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (29)   Show

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.

NAVIGATION

○ The page contains a heading, skip link, or landmark region	⌄

These are opportunities to improve keyboard navigation in your application.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)   Show

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (11)   Show

NOT APPLICABLE (48)   Show

91

Best Practices

GENERAL

⚠️ Browser errors were logged to the console   ⌄

⚠️ Issues were logged in the `Issues` panel in Chrome Devtools   ⌄

◯ Detected JavaScript libraries   ⌄

TRUST AND SAFETY

◯ Ensure CSP is effective against XSS attacks   ⌄

PASSED AUDITS (11)   Show

NOT APPLICABLE (1)   Show

87

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.

CRAWLING AND INDEXING

⚠️ Page is blocked from indexing   ⌄

To appear in search results, crawlers need access to your app.

MOBILE FRIENDLY

⚠️ Tap targets are not sized appropriately — 40% appropriately sized tap targets   ⌄

Make sure your pages are mobile friendly so users don't have to pinch or zoom in order to read the content pages. Learn how to
make pages mobile-friendly.

ADDITIONAL ITEMS TO MANUALLY CHECK (1)   Show

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

PASSED AUDITS (11)   Show

NOT APPLICABLE (1)   Show

PWA

PWA

These checks validate the aspects of a Progressive Web App. [Learn what makes a good Progressive Web App](#).

INSTALLABLE

Web app manifest and service worker meet the installability requirements   ⌄

PWA OPTIMIZED

Configured for a custom splash screen   ⌄

Sets a theme color for the address bar.   ⌄

Content is sized correctly for the viewport   ⌄

Has a `<meta name="viewport">` tag with `width` or `initial-scale`   ⌄

🔺 Manifest doesn't have a maskable icon   ⌄

ADDITIONAL ITEMS TO MANUALLY CHECK (3)   Show

These checks are required by the baseline [PWA Checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

◼ Captured at Dec 6, 2023,   ◼ Emulated Moto G Power with   ◼ Single page load
   11:37 PM PST   Lighthouse 11.1.0

Initial page load

Slow 4G throttling

Using Chromium 119.0.0.0 with devtools

Generated by **Lighthouse** 11.1.0 | File an issue

Initial page load

Slow 4G throttling

Using Chromium 119.0.0.0 with devtools