http://localhost:3000/browse

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**48** Performance

**86** Accessibility

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PWA Progressive Web App

| 0–49 | 50–89 | 90–100 |

**48**
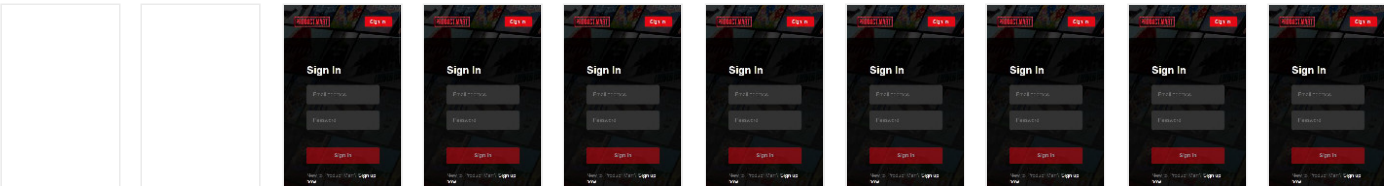
# Performance

## Metrics

| | | | |
|---|---|---|---|
| ▲ First Contentful Paint | 6.1 s | Time to Interactive | 6.3 s |
| ▲ Speed Index | 6.1 s | Total Blocking Time | 200 ms |
| ▲ Largest Contentful Paint | 8.3 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 directly affect the Performance score.

| Opportunity | Estimated Savings |
|---|---|
| ▲ Remove unused JavaScript | 1.8 s ⌄ |
| ▲ Minify JavaScript | 1.65 s ⌄ |
| ▲ Serve images in next-gen formats | 0.9 s ⌄ |
| Preconnect to required origins | 0.3 s ⌄ |

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

⚠ Image elements do not have explicit `width` and `height`                                    ⌄

⚠ Serve static assets with an efficient cache policy  — 4 resources found                      ⌄

Avoid chaining critical requests  — 3 chains found                                             ⌄

Keep request counts low and transfer sizes small  — 9 requests • 1,191 KiB                     ⌄

Largest Contentful Paint element  — 1 element found                                            ⌄

Avoid long main-thread tasks  — 4 long tasks found                                             ⌄

**Passed audits (25)**                                                                         ⌄

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## 86

# 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.

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

**Passed audits (11)**                                                                         ⌄

**Not applicable (29)**                                                                        ⌄

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## 93

# Best Practices

**User Experience**

⚠ Displays images with incorrect aspect ratio                                                  ⌄

**Passed audits (14)** ⌄

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92

# SEO

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. [Learn more](#).

**Crawling and Indexing** — To appear in search results, crawlers need access to your app.

⚠ robots.txt is not valid  — 16 errors found                                    ⌄

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

**Passed audits (12)**                                                           ⌄

**Not applicable (1)**                                                           ⌄

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PWA
—

# 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                                                                        ⌄

⚠ 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 ⌄
automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

## Runtime Settings

| | |
|---|---|
| **URL** | http://localhost:3000/browse |
| **Fetch Time** | Nov 16, 2020, 9:27 PM GMT+8 |
| **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 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.4240.198 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** | 510 |

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