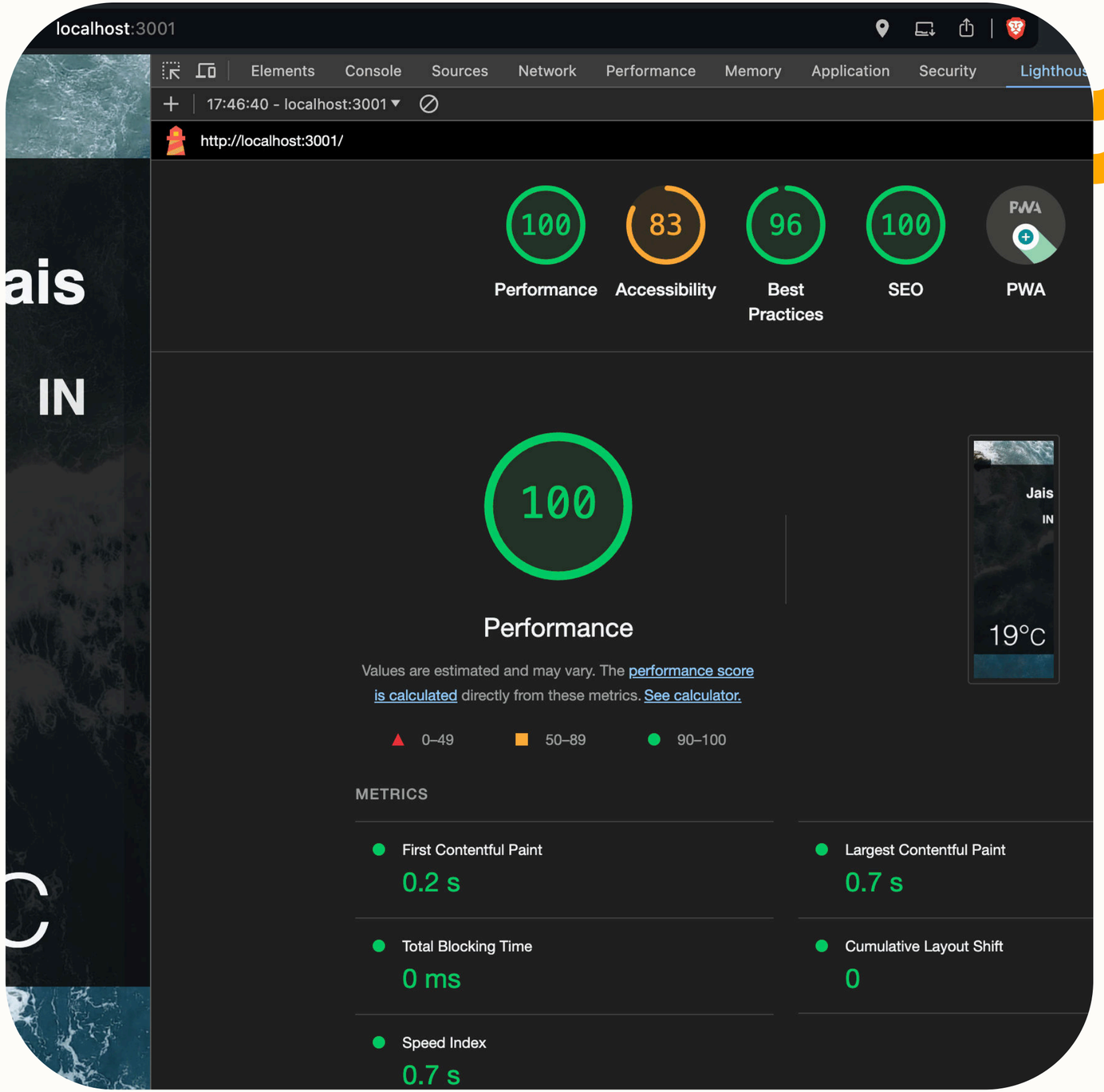
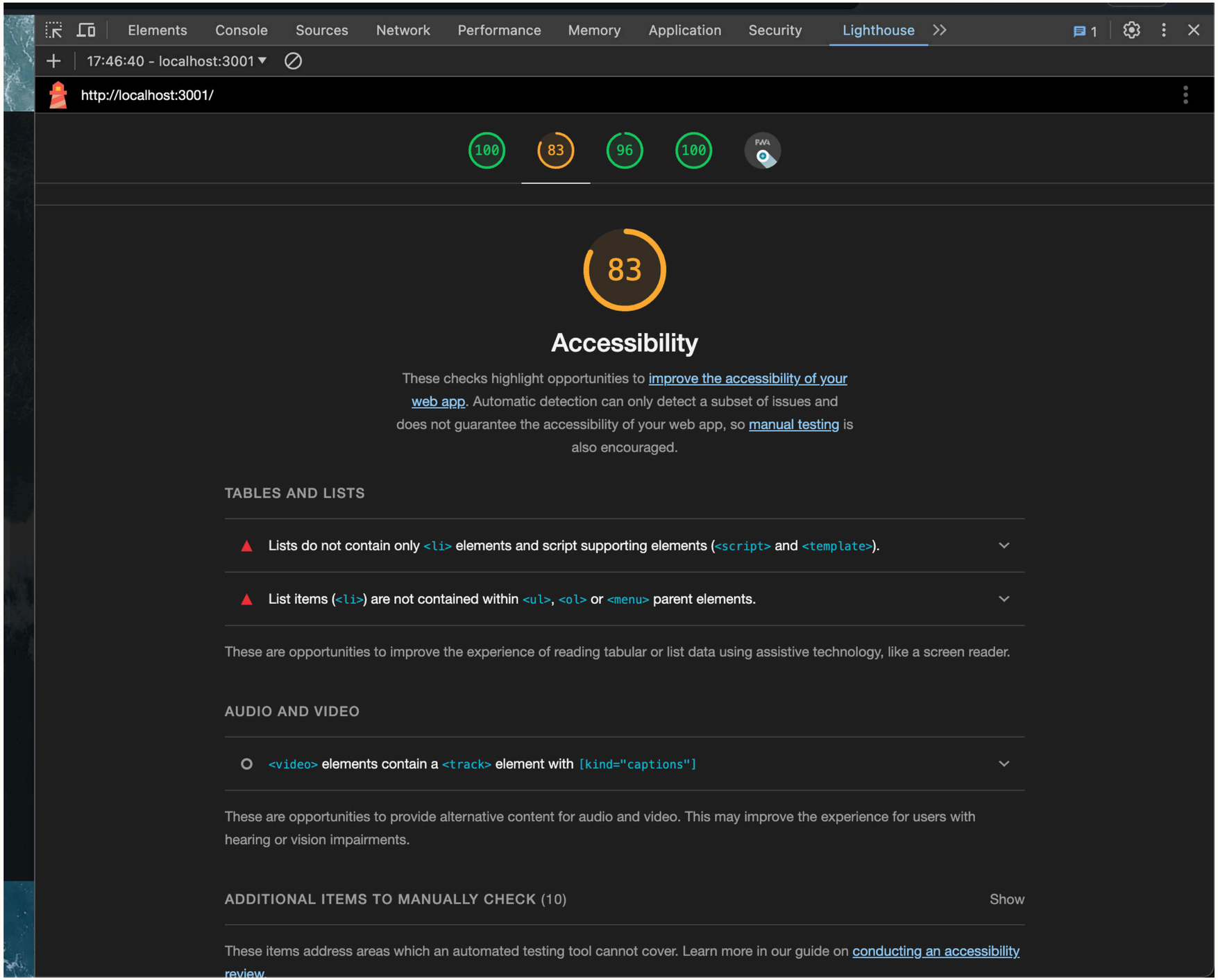
Web App Performance Analysis Report

Introduction

Understanding the **importance** of web app performance and its impact on user experience. Exploring strategies for *optimizing* performance through efficient coding and resource management.

- Performance
- Accessibility
- Best Practices
- SEO




Elements
Console
Sources
Network
Performance
Memory
Application
Security
Lighthouse
17:46:40 - localhost:3001
http://localhost:3001/
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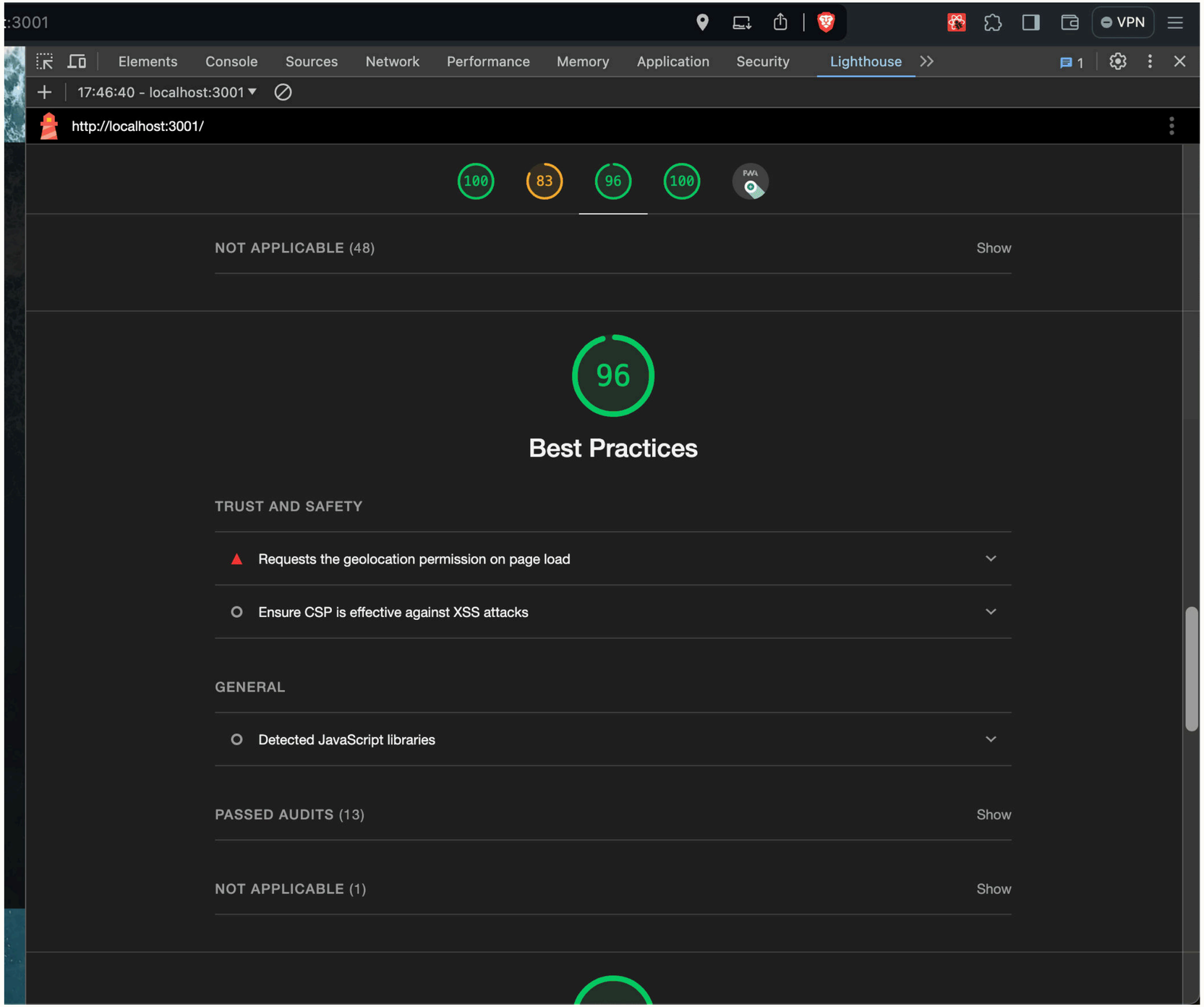
83
96
100
PWA
83
Accessibility
These checks highlight opportunities to improve the accessibility of your web app. Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so manual testing is also encouraged.
TABLES AND LISTS
Lists do not contain only <li> elements and script supporting elements (<script> and <template>).
List items (<li>) are not contained within <ul>, <ol> or <menu> parent elements.
These are opportunities to improve the experience of reading tabular or list data using assistive technology, like a screen reader.
AUDIO AND VIDEO
<video> elements contain a <track> element with [kind="captions"]
These are opportunities to provide alternative content for audio and video. This may improve the experience for users with hearing or vision impairments.
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.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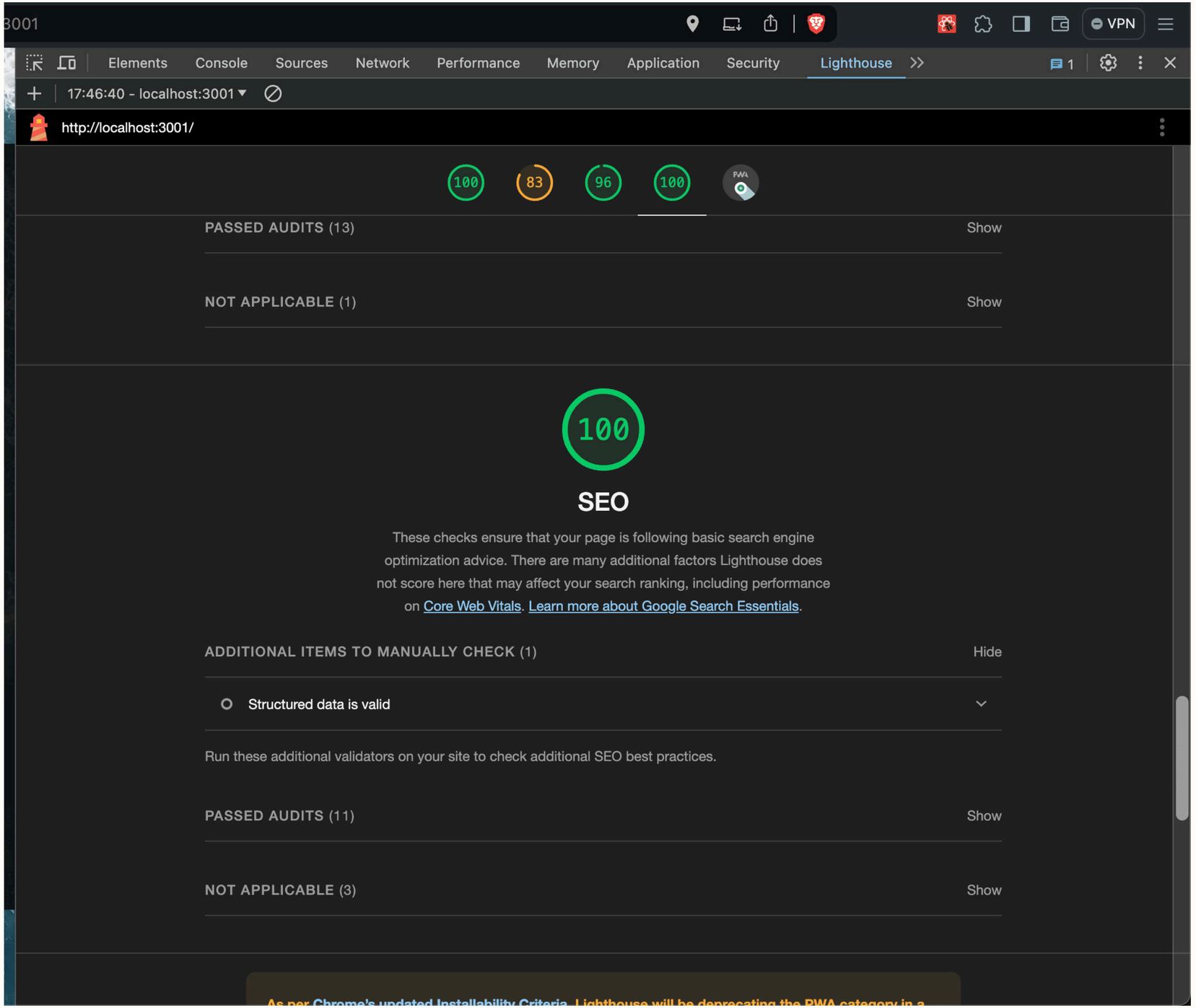
PWA
NOT APPLICABLE (48)
Show
96
Best Practices
TRUST AND SAFETY
Requests the geolocation permission on page load
Ensure CSP is effective against XSS attacks
GENERAL
Detected JavaScript libraries
PASSED AUDITS (13)
Show
NOT APPLICABLE (1)
Show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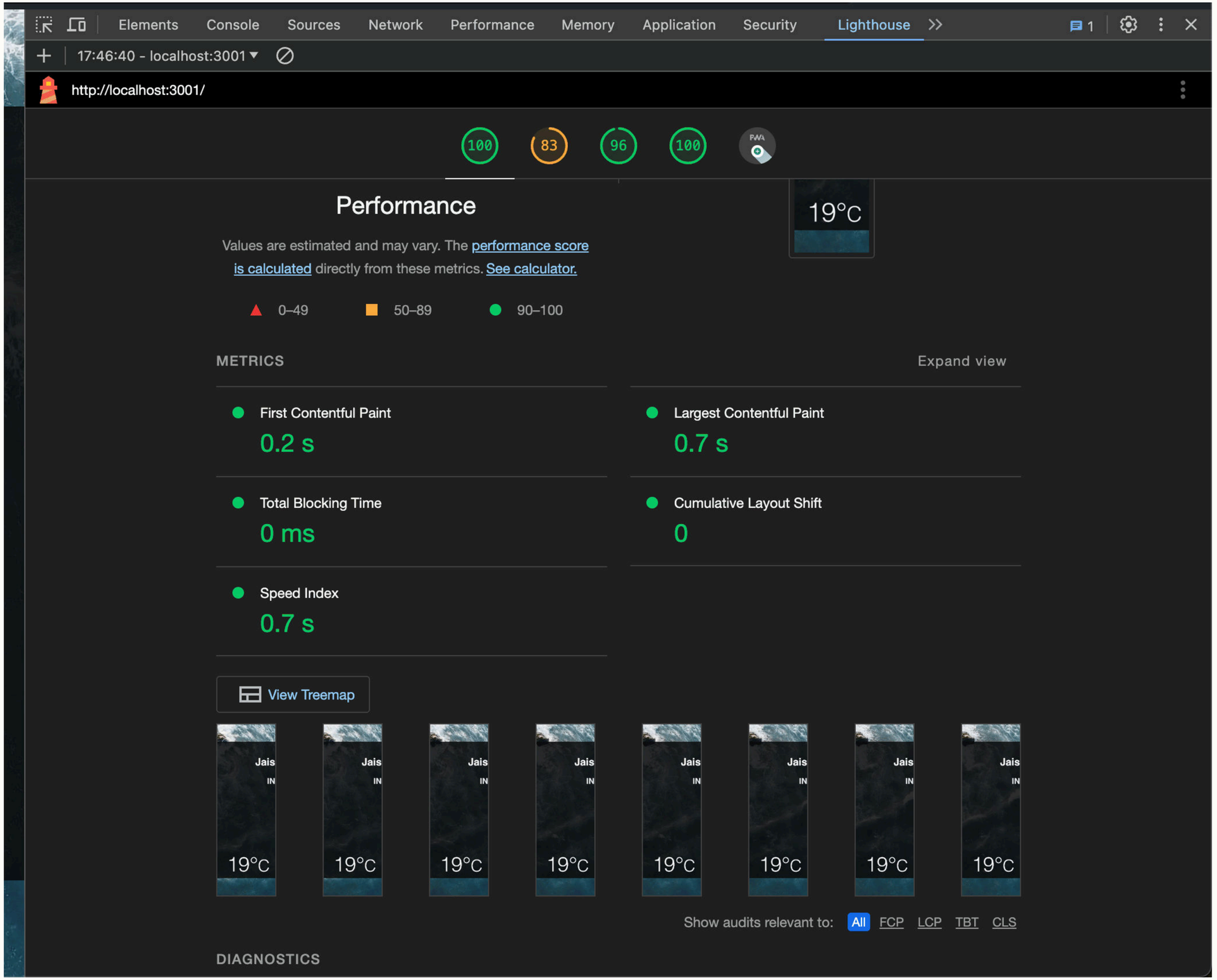
PWA
PASSED AUDITS (13)
Show
NOT APPLICABLE (1)
Show
100
SEO
These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on Core Web Vitals. Learn more about Google Search Essentials.
ADDITIONAL ITEMS TO MANUALLY CHECK (1)
Hide
Structured data is valid
Run these additional validators on your site to check additional SEO best practices.
PASSED AUDITS (11)
Show
NOT APPLICABLE (3)
Show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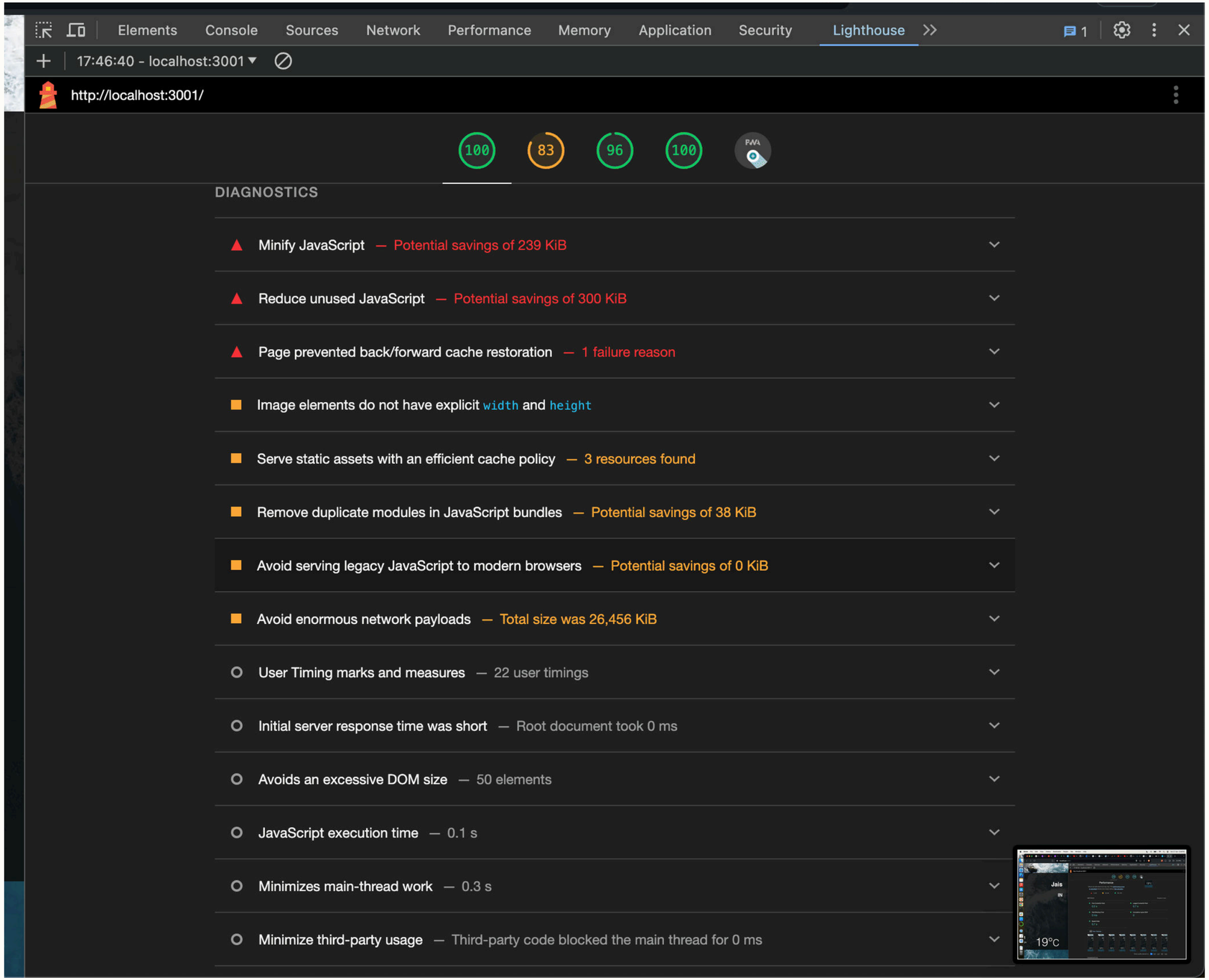
Performance
19°C
Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.
0–49
50–89
90–100
METRICS
Expand view
First Contentful Paint
0.2 s
Largest Contentful Paint
0.7 s
Total Blocking Time
0 ms
Cumulative Layout Shift
0
Speed Index
0.7 s
View Treemap
Jais
IN
19°C
Show audits relevant to:
All
FCP
LCP
TBT
CLS
DIAGNOSTICS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DIAGNOSTICS
Minify JavaScript — Potential savings of 239 KiB
Reduce unused JavaScript — Potential savings of 300 KiB
Page prevented back/forward cache restoration — 1 failure reason
Image elements do not have explicit width and height
Serve static assets with an efficient cache policy — 3 resources found
Remove duplicate modules in JavaScript bundles — Potential savings of 38 KiB
Avoid serving legacy JavaScript to modern browsers — Potential savings of 0 KiB
Avoid enormous network payloads — Total size was 26,456 KiB
User Timing marks and measures — 22 user timings
Initial server response time was short — Root document took 0 ms
Avoids an excessive DOM size — 50 elements
JavaScript execution time — 0.1 s
Minimizes main-thread work — 0.3 s
Minimize third-party usage — Third-party code blocked the main thread for 0 ms

Network Performance

Understanding the impact of **network** latency and bandwidth on web app performance. Techniques for reducing latency and optimizing data transfer for improved user experience.

Conclusion

Summarizing the key strategies for optimizing web app performance and their impact on user satisfaction. Emphasizing the ongoing *importance* of performance analysis and improvement.

Thanks!