

Performance Testing Report

1. Introduction

- **Test Overview:**
 - **Test Date:** January 21, 2025
 - **Test Environment:** <https://marketplace-builder-hackathon-2025-c7f6.vercel.app>
 - **Testing Tool Used:** Lighthouse 12.2.1 (or other testing tools)
 - **Device Emulation:** Desktop
 - **Throttling Settings:** Default throttling
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2. Performance Results

- **Performance Score:** 82/100
This score reflects the overall performance of the site.
 - **First Contentful Paint (FCP):** 0.4s
The time it takes for the first visible content to appear.
 - **Largest Contentful Paint (LCP):** 0.5s
The time it takes for the largest content element to load.
 - **Total Blocking Time (TBT):** 410ms
Total time the page is blocked from responding to user input during loading.
 - **Cumulative Layout Shift (CLS):** 0.001
The amount of unexpected layout shift during page load.
 - **Speed Index:** 0.7s
How quickly the visible content of the page loads.
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3. Identified Performance Issues

- **Extensions affecting page load performance:** Recommend testing in Incognito mode to avoid interference from browser extensions.
- **Defer offscreen images:** Potential savings of 55 KiB.

- **Minify CSS:** Potential savings of 2 KiB.
 - **Ensure text remains visible during webfont load:** Image loading optimization recommended.
 - **Avoid legacy JavaScript:** Potential savings of 8 KiB.
 - **Reduce unused CSS/JS:** Potential savings of 42 KiB in CSS and 598 KiB in JavaScript.
 - **Avoid long main-thread tasks:** 3 long tasks detected.
 - **Avoid large layout shifts:** 1 layout shift identified.
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4. Recommendations for Improvement

- **Defer offscreen images:** This will reduce unnecessary load and improve performance.
 - **Minify and optimize CSS and JavaScript:** Reducing the size of unused CSS and JS files will lead to faster load times.
 - **Ensure proper loading of web fonts:** This will improve visual stability.
 - **Optimize JavaScript execution:** Reduce execution time to improve responsiveness.
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5. Conclusion

My site performs well with a **Performance score of 82**. However, there are areas for improvement, particularly in reducing unused resources and improving the loading of offscreen images. Implementing the recommended optimizations will result in better performance, accessibility, and user experience.

6. Appendices

- **Full Lighthouse Report:**

file:///C:/Users/LAPTOP%20WORLD/Downloads/marketplace-builder-hackathon-2025-c7f6.vercel.app_2025-01-21_19-36-27.html