

# Performance Testing Report

## Overview

This report provides insights into the performance of the website based on Lighthouse performance metrics.

## Test Details

- URL: <https://giaic-hackathon-3-7th-day-task.vercel.app/>
- State: Failed
- Device: Mobile
- Lighthouse Version: 12.2.1
- Request Time: Just now

## Performance Scores by Region

Region	Score	FCP	LCP	TBT
US West	70/100	2.5s	24.2s	113ms
US East	69/100	2.5s	24.7s	190ms
Finland	0/100	-	-	-
Germany	71/100	2.5s	23.7s	57ms
Japan	69/100	2.9s	16s	87ms
Australia	68/100	3.1s	19.7s	60ms

## Key Findings & Recommendations

- Largest Contentful Paint (LCP) is High:**
  - LCP values exceed 16 seconds in multiple regions.
  - **Recommendation:** Optimize images, use lazy loading, and reduce server response time.
- First Contentful Paint (FCP) Delays:**
  - FCP is around 2.5 - 3.1s, indicating render delays.
  - **Recommendation:** Reduce JavaScript execution time and optimize render-blocking resources.
- Total Blocking Time (TBT) Varies Across Regions:**
  - TBT is highest in US East (190ms).
  - **Recommendation:** Minimize long-running JavaScript tasks and defer non-critical scripts.

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## 4. **High Resource Load and Size**:

- Total transferred size is 5.42 MB with 38 requests.
- **Recommendation**: Implement compression (Gzip/Brotli), minify CSS/JS, and reduce unused resources.

## 5. **Accessibility & Best Practices**:

- Accessibility score 85/100 indicates improvement areas.
- **Recommendation**: Improve contrast ratios, add alt texts, and enhance semantic HTML structure.

## Conclusion

While SEO and Best Practices scores are excellent, performance issues significantly impact page load time. Optimizing LCP, FCP, TBT, and reducing resource size will greatly enhance website performance.

## Next Steps

1. Implement recommended optimizations.
2. Re-run Lighthouse tests post-optimization.
3. Monitor performance over time and address new bottlenecks.