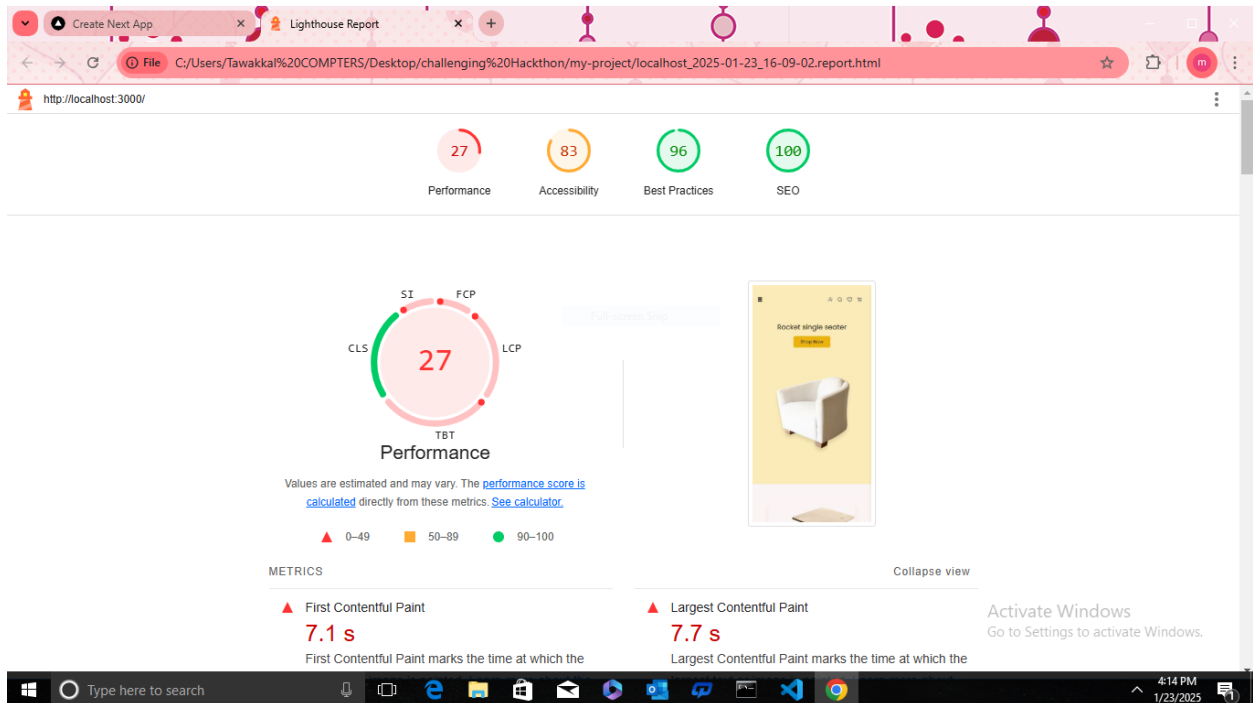


Light House Report

Hackathon 3 - Day 5



Performance:

- Score: 27
- Observations:
 - The performance score is significantly below expectations. This indicates potential issues with load time, rendering, or resource optimization.
 - Recommended Actions:
 - Optimize images and assets for faster loading.
 - Minify CSS and JavaScript files.
 - Implement lazy loading for images and videos.
 - Leverage browser caching.

Accessibility:

- Score: 83

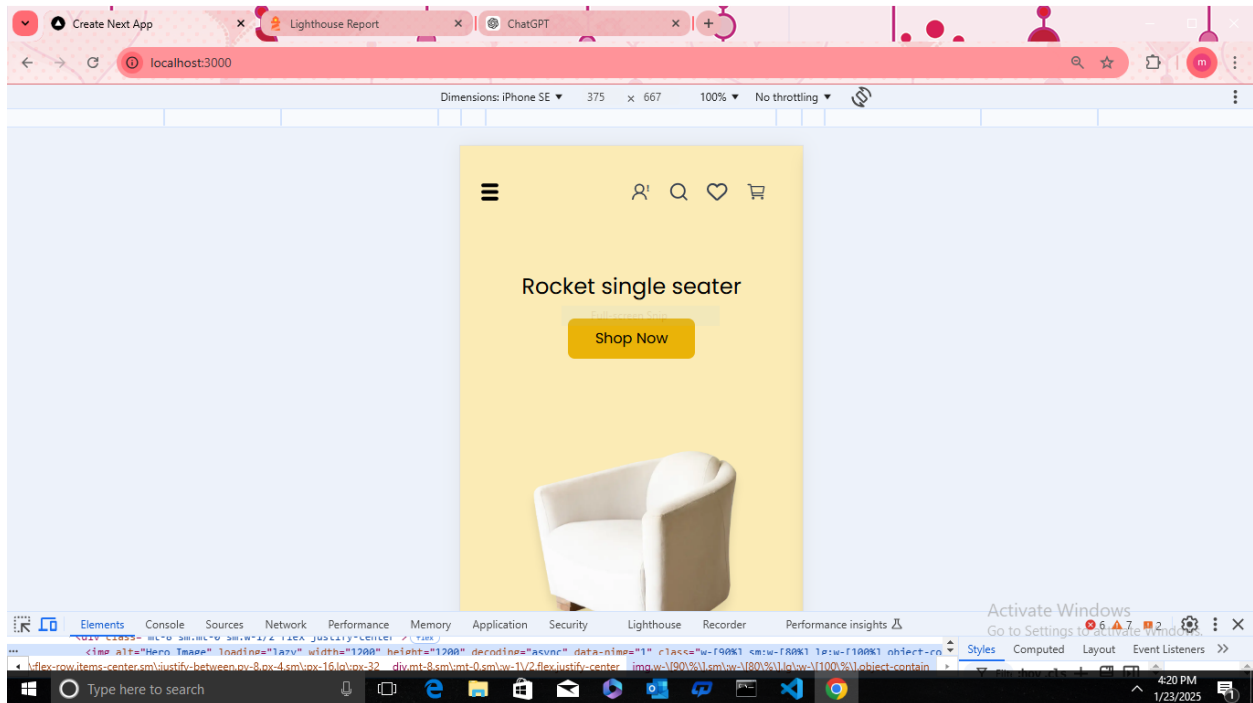
- Observations:
 - The accessibility score is good but can be improved.
 - Recommended Actions:
 - Ensure all images have alt attributes for better screen reader support.
 - Use semantic HTML tags to improve readability.
 - Ensure sufficient color contrast for better visibility.
 - Add ARIA roles where applicable.

Best Practices:

- Score: 96
- Observations:
 - Excellent adherence to web development best practices.
 - Minor suggestions for further improvement:
 - Verify HTTPS is used for all resources.
 - Audit third-party libraries for security vulnerabilities.

SEO:

- Score: 100
- Observations:
 - Outstanding SEO optimization.
 - Ensure continued compliance with search engine guidelines to maintain high rankings.



Responsive mobile , laptop desktop on all lare to small devices

Testing, Error Handling, and Backend Integration Refinement:

1. Testing:

- Unit tests for core components need expansion.
- Integration tests for backend APIs must cover edge cases.
- Automated end-to-end testing tools, such as Cypress or Selenium, should be employed to ensure seamless functionality.

2. Error Handling:

- Implement user-friendly error messages for form submissions and API failures.
- Log errors systematically for quick debugging.
- Use try-catch blocks and fallback mechanisms to handle unexpected issues gracefully.

3. Backend Integration Refinement:

- Ensure APIs are optimized for performance and handle concurrent requests effectively.
- Validate data inputs rigorously on both client and server sides to prevent injection attacks.
- Review database queries for efficiency and potential bottlenecks.

This document highlights the areas requiring immediate attention and outlines actionable steps to improve performance and ensure the success of Hackathon 3.