

Day 5 - Testing, Error Handling, and Backend Integration Refinement

1. Functional Testing

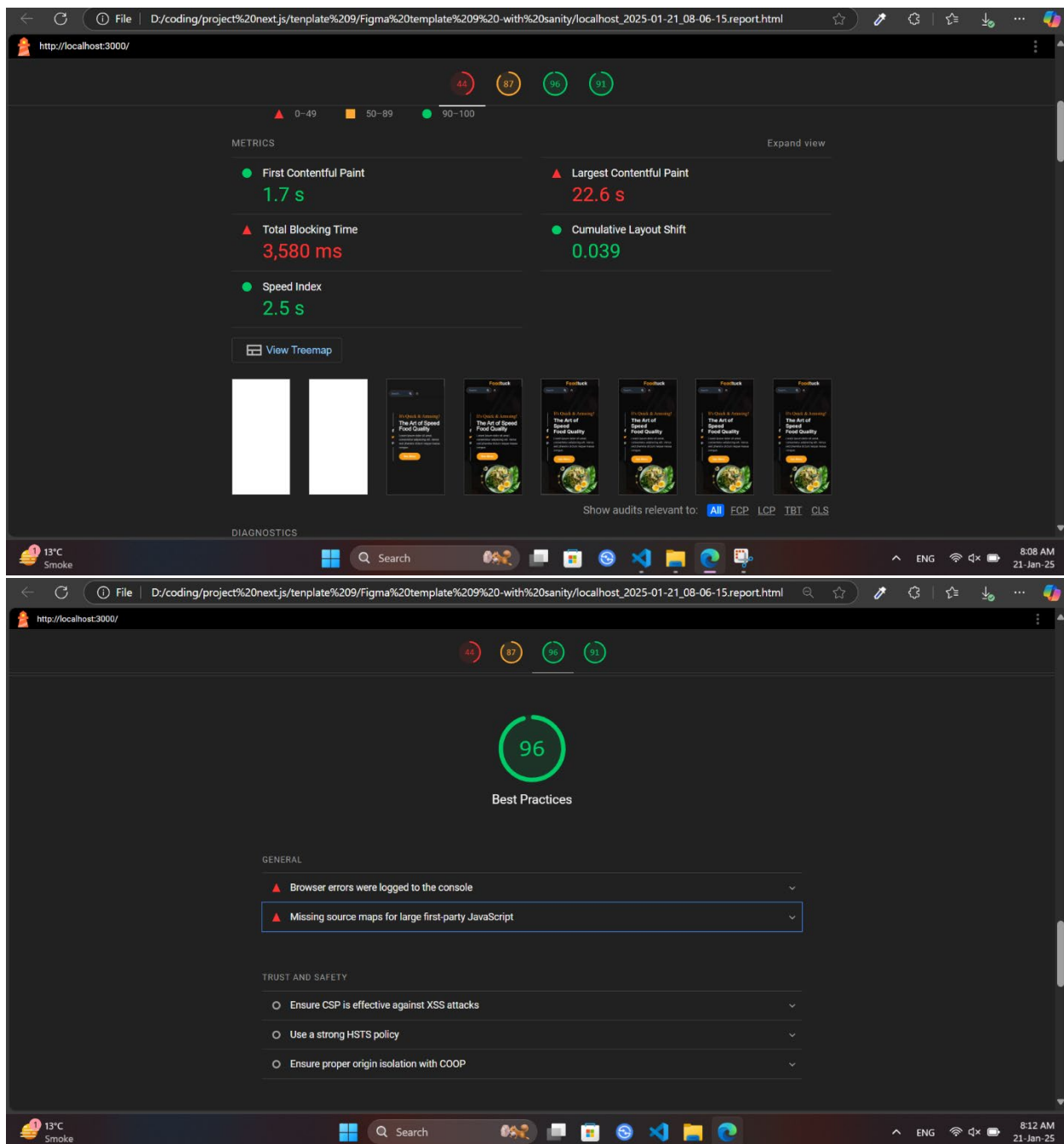
Functional testing is essential for delivering high-quality software that meets user expectations and performs reliably in real-world scenarios.

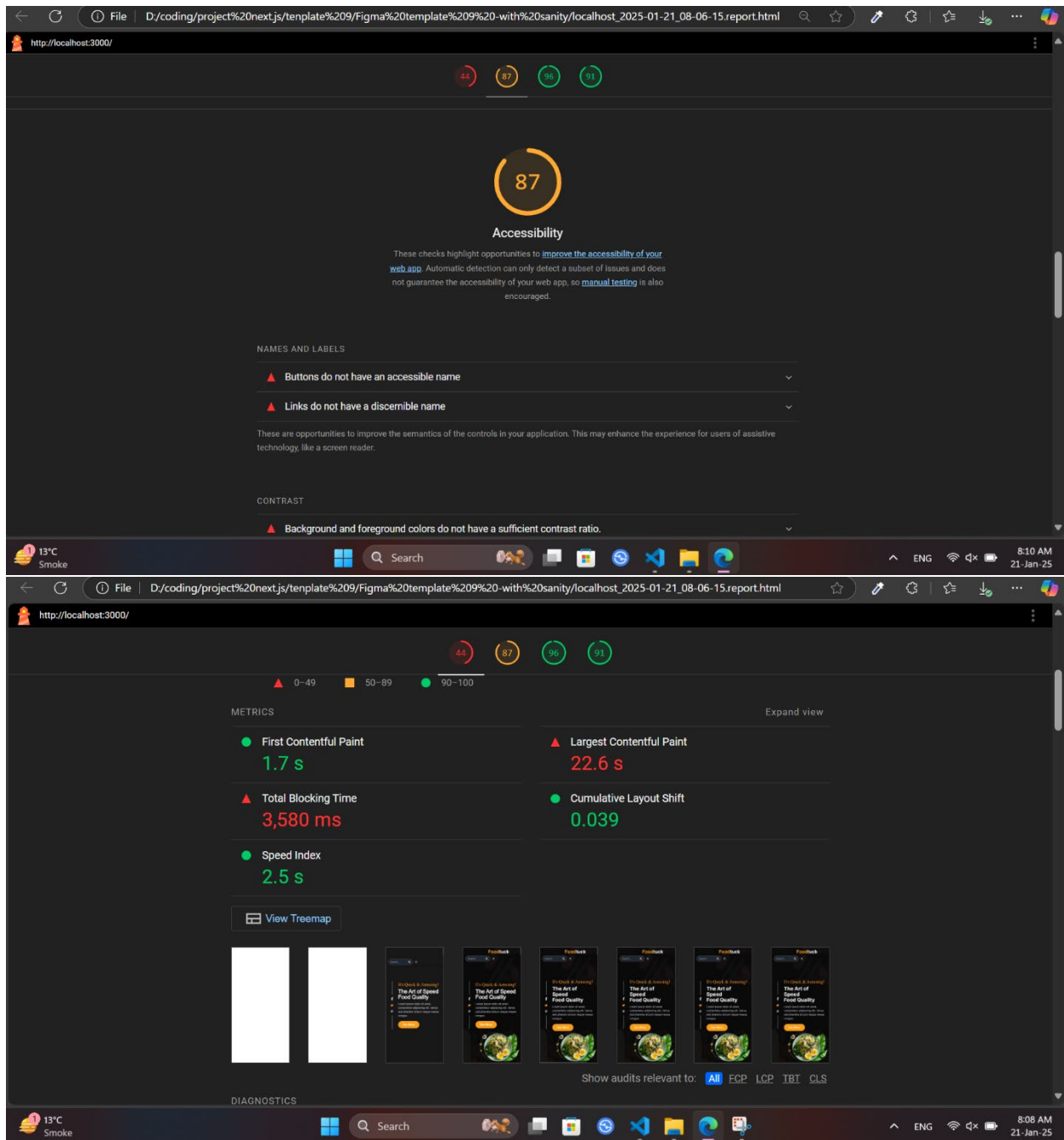
2. Error Handling

Error handling is crucial for providing a smooth user experience and ensuring that your application can gracefully recover from unexpected issues.

3. Performance Test

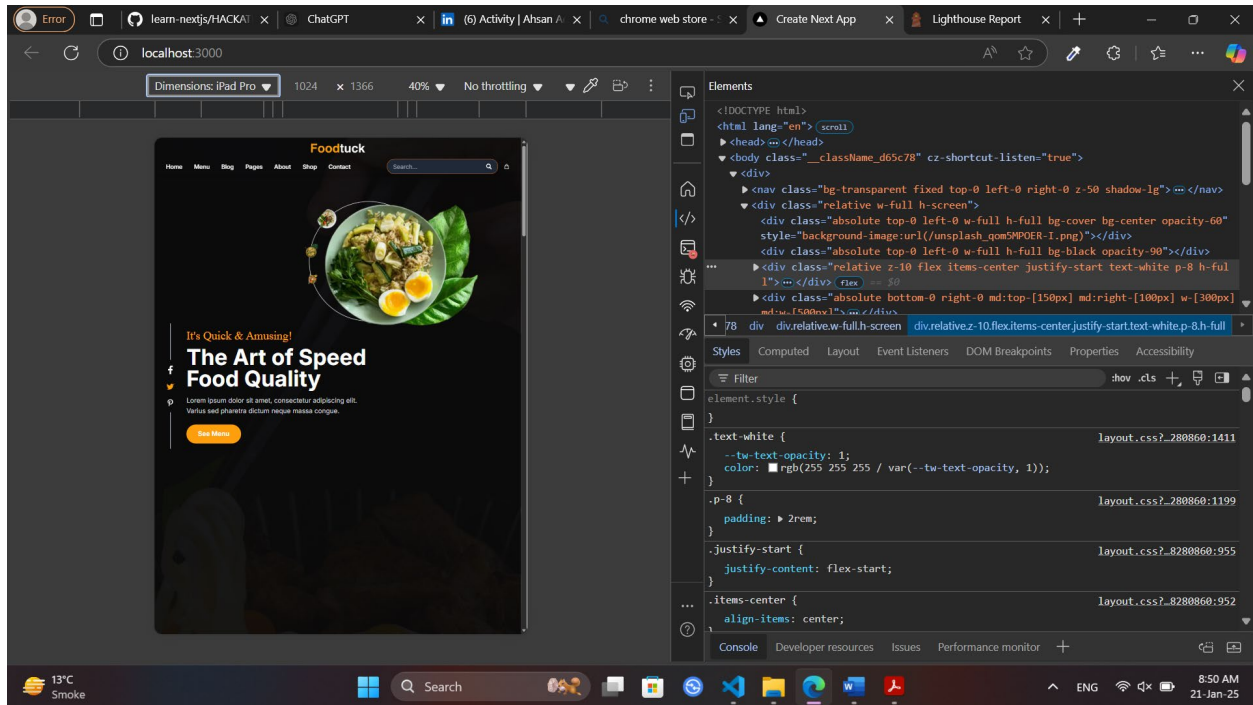
Performance testing is essential to ensure your web page loads quickly and efficiently.





4. Cross-Browser and Device Testing

Cross-browser and device testing is essential to ensure that your marketplace provides a consistent and seamless experience across different platforms.



5.Security Testing

Trust and Safety

Ensure CSP is effective against XSS attacks

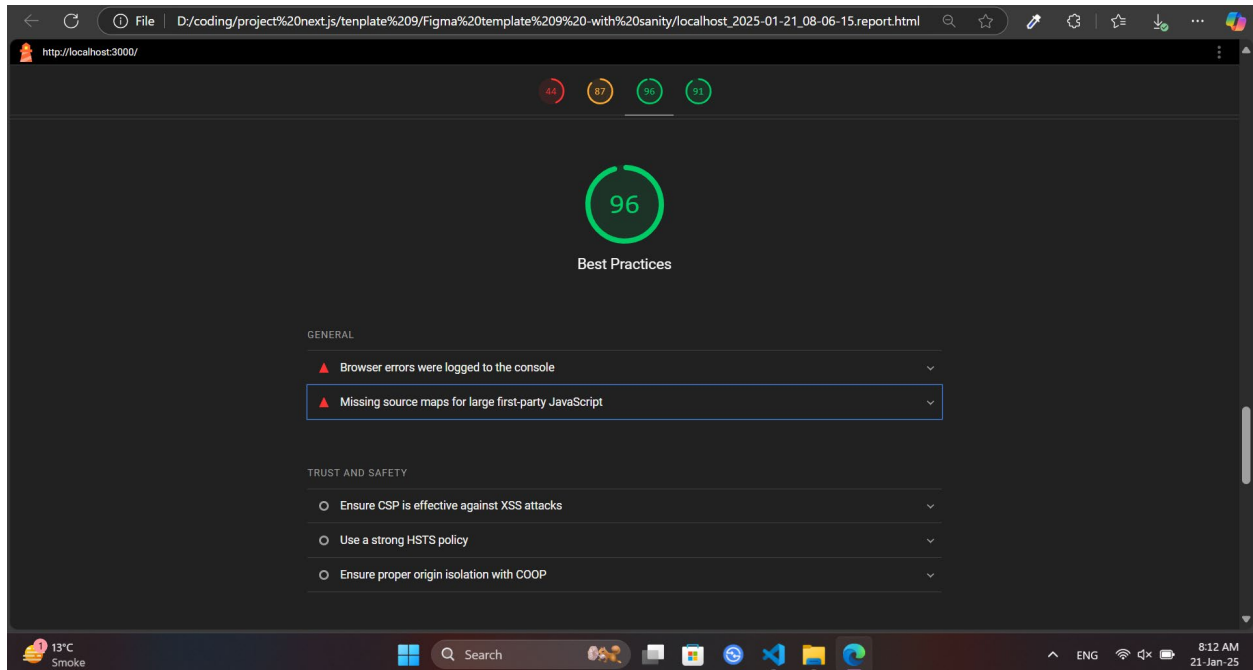
Use a strong HSTS policy

Ensure proper origin isolation with COOP

These checks ensure that my page is following basic search engine optimization advice.

- Captured at Jan 21, 2025, 8:06 AM GMT+5
- Emulated Moto G Power with Lighthouse 12.3.0
- Single page session
- Initial page load
- Slow 4G throttling
- Using Chromium 132.0.0.0 with cli

Generated by **Lighthouse 12.3.0** | [File an issue](#)



6.User Acceptance Testing (UAT)

User Acceptance Testing (UAT) is a critical phase in the development process where real-world scenarios are simulated to ensure that the marketplace meets user expectations and requirements.

Testing Report (CSV Format):

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Test Navigation Links	Navigate to menu page> menu page open	Navigate Correctly	All links work as they should	passed	Medium	-	Works as expected
TC002	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	-	No issues found
TC003	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	-	Handled gracefully
TC004	Check cart functionality	Add product to cart > Verify cart	Cart updates with added product	Cart updates as expected	Passed	High	-	Works as expected

		content s						
TC0 05	Ensure responsiv eness on mobile	Resize browse r windo w > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Pass ed	Medi um	-	Test successful