# **HTML TESTING REPORT**

**HTML Validation Testing Report**

**Project Information**

Project Name: Website HTML Validation  
Test Cycle Duration: 10/09/2025 to 10/09/2025  
Prepared By: Nonopha Blaweni  
Test Environment: Ubuntu-latest runner with HTML5 Validator GitHub Action

**Test Objective**

The objective of this testing phase was to validate the HTML files across the codebase for compliance with HTML5 standards, ensuring proper markup structure, valid attributes, and correct tag placement.

**Summary of Testing**

| **Metric** | **Count** |
| --- | --- |
| Total HTML Files Tested | 6 |
| Total Validation Errors | 6 (across 4 files) |
| Critical Errors Fixed | All |
| Recommendations Provided | Yes |

**Defect Summary**

| **Defect ID** | **File** | **Line** | **Description** | **Severity** | **Status** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- |
| DEF-001 | fashion.html | 88 | Improper attribute spacing, stray characters, missing alt attribute on <img> | High | Fixed | Attributes fixed, invalid attributes removed, alt added |
| DEF-002 | fashion.html | 229 | <style> tag inside <body> | Medium | Fixed | <style> tag moved to <head> |
| DEF-003 | chat.html | 82 | Stray <script> tag misplaced | Medium | Fixed | <script> placed before closing </body> |
| DEF-004 | chat.html | 116 | Extra </body> end tag | High | Fixed | Only one valid closing </body> tag remains |
| DEF-005 | tech.html, sports.html | 80, 77 | <style> tags inside <body> | Medium | Fixed | Moved all <style> elements to <head> |
| DEF-006 | sports.html | 110-112 | Invalid image tag attributes, missing src attribute | High | Fixed | Removed invalid attributes, added valid src and alt |

**Key Observations**

* Most errors were structural and attribute-related, commonly due to misplaced style and script tags.
* Missing or invalid attributes on <img> tags were frequently flagged, highlighting accessibility concerns.
* Correcting these issues enhances both compliance and maintainability of HTML code.

**Conclusion**

The HTML validation testing phase successfully identified and resolved critical markup issues across multiple source files. The fixes improve the robustness and standards compliance of the website's HTML code, enhancing user experience and compatibility.