

TEST SUMMARY REPORT

Introduction: This document summarizes the testing results of the website Markup Standards and the web loading performance.

Test items: two websites: <https://www.foxnews.com/> and <https://www.austincc.edu>

References: Test plan, Test cases, Bug report.

Test Summary

a) Test Case Information:

	https://www.foxnews.com	https://www.austincc.edu
Test cases planned:	3	3
Test cases implemented:	3	3
Test cases executed:	3	3
Test cases passed:	0	1
Test cases failed:	3	2
Test cases pending:	0	0

b) Defect Report Information:

	https://www.foxnews.com	https://www.austincc.edu
Total defects found:	3	2
Defects found in functional test:	0	0
Defects found in regression test cycle 1:	N/A	N/A
Defects found in regression test cycle 2:	N/A	N/A

TEST PLAN

For W3C Standards and Website Performance.

1. Introduction:

This test plan is designed for testing the W3C Markup Standards and Website Performance on the two following websites:

- Educational website: <https://www.austincc.edu>
- Online News website: <https://www.foxnews.com/>

2. Proposed schedule:

No.	Tasks	Assigned members	Estimated Time	Remarks
1.	Analyze required document	Test designer	4 hours	
2.	Design test plan	Test designer	2 hours	
3.	Create test cases	Test designer	2 hours	
4.	Execute test cases	Tester	1 hours	
5.	Report test bugs	Tester	1 hour	
6	Report test summary	Tester	1 hour	

3. Resource requirements:

a. Hardware:

- Desktop computer or laptop with a stable internet connection.

b. Testing tools:

- Test W3C Markup Validation: <http://validator.w3.org/>
- Link Validator Tool: <http://validator.w3.org/checklink>
- Free Webpage loading test: <http://www.webpagetest.org/>

c. Staffing:

- Testing team members

d. Training:

- Test plan document and required specifications.

4. Testing Features:

a. Features to be tested:

- Validate the markup standards.
- Check all links working.
- Web load testing.

b. Regression testing of prior features:

N/A

5. Features not to be tested:

These below features are not tested as they are not required in this assignment.

- Security, database integrity, webpage content, browser compatibility.

6. Test Deliverable:

- Test plan
- Test case docs
- Test summary
- Bug reports

7. Dependencies:

a. Hardware:

- Internet connection with a stable internet speed.

b. Software:

There is at least one web browser available in the computer, prefer to be used with the latest version Chrome browser because of its stability and speed.

c. Staffing

Testers with experience in working on windows and setting up required testing environment.

d. Training:

Testing environment, testing tools.

8. Entrance / Exit criteria:

a. Entrance criteria:

- Test plans.
- Test case docs.
- Test environment setting up.

b. Exit criteria:

- 100% required test cases executed
- Expected testing results pass at least 95%.
- Only minor bugs found.

TEST CASES

Test Case ID: 001

Purpose: Validate the markup standards for the website <https://www.foxnews.com/>

Prerequisites: Your computer should be connected to the Internet and Chrome browser is available. Using testing tool at <https://validator.w3.org/>

Steps: Steps to carry out the test.

No.	Details	Expected results	Actual Results
1	On Chrome browser opening, go to the testing tool at https://validator.w3.org/	The Markup Validation Service page should be loaded.	As expected
2	Under "Validate by URI", at "Address", paste the website address https://www.foxnews.com/ > then click "Check" and waiting until the testing process finishes.	Errors should not be showed in the returned result.	102 errors and 20 warnings were showed.

Test Case ID: 002

Purpose: Check all links working for the website <https://www.foxnews.com/>

Prerequisites: Your computer should be connected to the Internet and Chrome browser is available. . Using testing tool at <https://validator.w3.org/checklink>

Steps: Steps to carry out the test.

No.	Details	Expected results	Actual Results
1	On Chrome browser opening, go to the testing tool at https://validator.w3.org/checklink	The Link Checker page should be loaded.	As expected
2	Enter the website address https://www.foxnews.com/ > then click "Check" and waiting until the testing process finishes.	All links should be working and there should not be broken links existing.	- Error: 403 Forbidden with 7 occurrences. - Error: 500 Connection with 4 occurrences. Although error 404-not found is showed in the result, links are working fine when checking manually.

Test Case ID: 003

Purpose: Test web loading for the website <https://www.foxnews.com/>

Prerequisites: Your computer should be connected to the Internet and Chrome browser is available. Use the testing tool at <https://gtmetrix.com/>

Steps: Steps to carry out the test.

No.	Details	Expected results	Actual Results
1	On Chrome browser opening, go to the testing tool at https://gtmetrix.com/	The page should be loaded.	As expected
1	Enter the website address https://www.foxnews.com/ > then click "Test your site", and waiting until the testing process finishes.	The good performance of the checked website should pass the average Performance Scores, with - PageSpeed Score at 72% - YSlow Score at 71%.	The performance Scores of the checked website are currently below the average performance scores with - PageSpeed Score at 20%. - YSlow Score at 45%.

Test Case ID: 004

Purpose: Validate the markup standards for the website <https://www.austincc.edu/>

Prerequisites: Your computer should be connected to the Internet and Chrome browser is available. Using testing tool at <https://validator.w3.org/>

Steps: Steps to carry out the test.

No.	Details	Expected results	Actual Results
1	On Chrome browser opening, go to the testing tool at https://validator.w3.org/	The Markup Validation Service page should be loaded.	As expected
2	Under "Validate by URI", at "Address", paste the website address https://www.austincc.edu/ > then click "Check" and waiting until the testing process finishes.	Errors should not be showed in the returned result.	15 errors and 24 warnings were showed.

Test Case ID: 005

Purpose: Check all links working for the website <https://www.austincc.edu/>

Prerequisites: Your computer should be connected to the Internet and Chrome browser is available. . Using testing tool at <https://validator.w3.org/checklink>

Steps: Steps to carry out the test.

No.	Details	Expected results	Actual Results
1	On Chrome browser opening, go to the testing tool at https://validator.w3.org/checklink	The Link Checker page should be loaded.	As expected
2	Enter the website address https://www.austincc.edu/ > then click “Check” and waiting until the testing process finishes.	All links should be working and there should not be issues found with broken links.	Although there are some broken links reported in the result, but these links are working fine when checking manually. > As expected.

Test Case ID: 006

Purpose: Test web loading for the website <https://www.austincc.edu/>

Prerequisites: Your computer should be connected to the Internet and Chrome browser is available. Use the testing tool at <https://gtmetrix.com/>

Steps: Steps to carry out the test.

No.	Details	Expected results	Actual Results
1	On Chrome browser opening, go to the testing tool at https://gtmetrix.com/	The page should be loaded.	As expected
2	Enter the website address https://www.austincc.edu/ > then click “Test your site” and waiting until the testing process finishes.	The good performance of the checked website should pass the average Performance Scores, with - PageSpeed Score at 72% - YSlow Score at 71%.	The performance Scores of the checked website are currently below the average performance scores with - PageSpeed Score at 42%. - YSlow Score at 44%.

BUG REPORT

Bug ID: 001

Bug Description: Error – the scheme attribute on the meta element is obsolete.

Product: <https://www.foxnews.com/>

Severity: Normal

Priority: Normal

Assigned to: ABC

Reported By: Vy Hoang

Reported On: 2/12/2020

Reason: Defect

Status: Open

Environment: Windows 10, Chrome Browser version 79.0.3945.130

Description:

When testing the website using markup validation service, there are some issues with the error: scheme attribute on the meta element is obsolete.

Steps To Reproduce:

- 1) On Chrome browser opening, go to the testing tool at <https://validator.w3.org/>
- 2) Under “Validate by URI”, at “Address”, paste the website address <https://www.foxnews.com/> > then click “Check”.
- 3) Waiting for the testing process finished.

Actual result: Error: The `scheme` attribute on the `meta` element is obsolete.

Expected result: Error should not be showed in the returned result.

Bug ID: 002

Bug Description: Error: 403 – the link is forbidden

Product: <https://www.foxnews.com/>

Severity: Normal

Priority: Normal

Assigned to: ABC

Reported By: Vy Hoang

Reported On: 2/12/2020

Reason: Defect

Status: Open

Environment: Windows 10, Chrome Browser version 79.0.3945.130

Description:

During checking the links in the website using the tool Link Checker at <https://validator.w3.org/checklink>, there are some broken links found with the error: 403 - the link is forbidden.

Steps To Reproduce:

- 1) On Chrome browser opening, go to the testing tool at <https://validator.w3.org/checklink>
- 2) Enter the website address <https://www.foxnews.com/> > then click "Check".
- 3) Waiting for the testing process finished.

Actual result: Error: 403 Forbidden, such as links at Line: 8 <https://assets.tapad.com/>

Expected result: Error should not be showed in the returned result.

Bug ID: 003

Bug Description: The web loading speed does not meet the average performance scores.

Product: <https://www.austincc.edu/>

Severity: High

Priority: Normal

Assigned to: ABC

Reported By: Vy Hoang

Reported On: 2/12/2020

Reason: Defect

Status: Open

Environment: Windows 10, Chrome desktop.

Description:

Test the website loading speed via <https://gtmetrix.com/> and notice the PageSpeed Score and YSlow Score are below the average performance scores recommended.

Steps To Reproduce:

- 1) On Chrome browser opening, go to the testing tool at <https://gtmetrix.com/>
- 2) Enter the website address <https://www.austincc.edu/> > then click "Test your site" .
- 3) Waiting for the testing process finished.

Actual result:

- PageSpeed Score at 42%.
- YSlow Score at 44%.

Expected result:

- PageSpeed Score at 72%
- YSlow Score at 71%.

