Lantana CDA Stylesheet

Test Plan

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# Executive Summary

Lantana is going to test the rendering stylesheets against a selection of the 36 sample files from the HL7 Examples Taskforce. Functionality and display mediums are tested against a suite of environments to ensure that the stylesheets are robust enough to be useable by a large number of users. Testing will also serve as a reference to create comprehensive instructions and documentation, making the product easier to install and use for users in the general public.

Testing will be completed by September 17, 2016.

# Timeline

|  |  |
| --- | --- |
| DATE | MILESTONE |
| 08-09-2016 | Formal Test Plan Complete |
| 09-09-2016 | Begin Test Plan |
| 13-09-2016 | Browser Testing Complete |
| 14-09-2016 | Screen Testing Complete |
| 15-09-2016 | Environment Testing Complete |
| 17-09-2016 | Resolve Bugs Identified |

# Test Plan

## Test Files

The files will be tested against a selection of the 36 CDA files posted on Github by the CDA example task force. These well documented sample files aim to cover a variety of use cases, serving as ideal candidates to test the stylesheet against. Additional files include QRDA files, pre-CCDA, an HAI CDA document.

## Test Cases

### Screen Sizes

Screen sizes to test against are selected against the most common screen sizes in the world as of December, 2015.

<http://gs.statcounter.com/#desktop-resolution-ww-monthly-201512-201512-bar>

|  |  |  |
| --- | --- | --- |
| Screen Resolution | Criteria | Grading |
| 1366x768 | Resizing functionality working, no table overlapping | Pass/Fail |
| 1920x1080 |
| 1024x768 |
| 1280x800 |
| 1440x900 |

### Browsers

Browsers to test against are selected against the most common internet browsers in the world as fo December, 2015

<http://gs.statcounter.com/#desktop-browser-ww-monthly-201512-201512-bar>

|  |  |  |
| --- | --- | --- |
| Application | Criteria | Grading |
| Chrome | Javascript functionality retained:   * Smooth Scrolling * Item Reorganization * Table of contents context highlighting | Each function is a pass/fail |
| Internet Explorer |
| Firefox |
| Safari\* |

### Environments

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Description | Criteria | Grading |
| XSLT Transformer | Test which XSL transformation engines work best | Are there any display differences from the reference screenshot | Pass/fail |
| Editor | Using oXygen vs. XML Spy, the two most common editors, as well as calling the XSL transformer from the command line | Transformation successful with no errors | Pass/fail |
| OS Environment | Using Linux to perform the transformation as well as windows | Transformation successful with no errors | Pass/fail |
| File Encoding | Transformation is done on files with UTF-16 and UNICODE (not UTF-8) | Transformation successful with no errors | Pass/fail |

# Resolution Plan

Identified issues will be logged on the Github site and prioritized by the project lead to determine whether or not it should be fixed before the initial release. Testing will also flesh out documentation for the project as a whole, adding more precise instructions for other users to recreate the reference outputs posted by Lantana on the project’s github site.