

**s o f i a**

# **Test Report**

*XML Parser and Writer Test*

# Document Control

Editor	Date	Update
Sam Raeburn	26/02/2015	Included tests run to date on parser

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# Test Report

## 1.0 Test of Parser/Writer

### 1.0.0 Summary of testing

I am testing the XML parser to ensure it behaves as required. It is a key and integral part of our product so must behave exactly as intended with little to no issues.

#### 1.0.1 Prerequisites

Parser/Writer must be written

#### 1.0.2 Test importance

High

#### 1.0.3 Test results

Test Case	Expected Results	Obtained Results
Attempt parsing a non-existent XML file "iDontExist.xml"	The parser should add an error to the 'errorList' stating that the specified file could not be found	Passed
Attempt parsing a file which does not include all types of media (no image. Audio and video were used as test case) "missingImageAudioVideoData.xml"	The parser should behave completely normally without adding any errors to the list since a lesson could be created which does not contain these media types	Passed
Attempt parsing an XML file which states it has an image but does not specify the file location. "missingImageLocation.xml"	The parser should add an error to the list stating that the file location is missing	Passed
Attempt parsing an XML file which does not contain relevant information about default settings "missingDefaults.xml"	The parser should not add an error to the list as this information is not strictly necessary. May need to add this in future though.	Passed
Attempt parsing an XML file which does not contain document info "missingDocumentInfo.xml"	The parser should add an error to the list stating that the	Failed – the parser behaved normally with the errorList

	<b>document info was not found</b>	<b>remaining empty</b>
<b>Attempt parsing an XML file which does not specify locations on the screen to draw media. “noLocations.xml”</b>	<b>The parser should add to the ‘errorList’ stating which locations were missing for which media types</b>	<b>Passed</b>
<b>Attempt parsing an XML file which has defined the pass boundary above the maximum marks possible “passBoundaryTest.xml”</b>	<b>The parser should add to the ‘errorList’ specifying that it is impossible to pass the lesson</b>	<b>Failed – The parser did not add an error</b>
<b>Attempt parsing an XML file which has incorrectly formatted colours (not 8 digit hex) “colourFormatting.xml”</b>	<b>The parser should add to the ‘errorList’ specifying which colours have been wrongly defined</b>	<b>Failed – The parser did not add an error to the list</b>
<b>Attempt parsing an XML file which defines the location of an object greater than 1 or negative “incorrectLocation.xml”</b>	<b>The parser should add to the ‘errorList’ specifying which objects have been attempted to be drawn incorrectly</b>	<b>Failed – The parser did not add an error to the list</b>
<b>Check that the data specified in an XML file is correctly stored by the java program “testXML.xml”</b>	<b>The data in each variable should equal the data specified in the XML</b>	<b>Passed</b>
<b>Check that the defaults are recognised and stored correctly if the relevant data is not separately specified</b>	<b>The font, font size, font colour and background colour should be set by the defaults</b>	<b>Failed – All of the defaults were recognised apart from background colour which it seems the program got confused with font colour</b>
<b>Check that the writer creates a new XML file</b>	<b>The writer should create a new file when the writeXML method is called</b>	<b>Passed</b>
<b>Check that the XML file created by the writer contains the correct data</b>	<b>The writer should create an XML file which contains the same information as the XML file which was previously parsed by the parser</b>	<b>Failed – it outputs ‘solid’ as ‘sold’ in the graphics section of the XML.</b>

#### 1.0.4 Changes made due to test

### **1.0.5 Additional comments on test**