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Test Report

XML Parser and Writer Retest

Document Control

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1.0 Test of XML Parser and Writer

1.0.0 Summary of testing
Parsing and writing of XML files is crucial to the functionality of the program and any issues must be found as soon as possible in order to limit errors which will be produced further on in development. This document outlines the tests completed to ensure that the software written to parse and write XML files is up to a necessary standard.

1.0.1 Prerequisites
Parser must be complete

1.0.2 Test importance
Extremely high.

1.0.3 Test results

Test Case	Expected Results	Obtained Results
Attempt to parse a non-existent XML file	The parser should add an error to the error list	**PASS**
Attempt parsing a file which does not include all types of media (i.e. a blank slide)	The parser should behave normally, no warnings or errors should occur	**PASS**
Attempt parsing a file which contains no slides	The parser should add an error to the list	**PASS**
Attempt parsing an XML file which has incorrectly formatted colours (not 8-digit hex)	The parser should add an error to the list unless the colour which is incorrectly defined has a replacement value in the default section (background colour etc.)	**PASS**
Check that the data specified in an XML file is correctly stored by the java program	All data specified in the XML should appear in the java program	**PASS**
Check that the default values are recognised and stored correctly if the relevant data is missing	If a value is incorrectly formatted or non-existent the program should recognise if it has a default replacement and replace the value if needed	**PASS**
Check that the writer creates a new XML file	When the write button is pressed any stored data should be written to an XML file	**PASS**

Check that the XML file created by the writer contains the correct data	Any run time data should be stored in the XML file when it is written to an XML file	**PASS**
Attempt parsing a file which does not include document info (author, date, version etc.)	**Parser should add an error if author, version, comment or group id are missing. Otherwise add a warning**	**PASS**
Attempt parsing a file which does not include default information	**The parser should add an error to the list**	**PASS**
Attempt parsing a file which contains grade settings but does not contain information about pass boundaries	**The parser should add an error to the list**	**PASS**
Attempt parsing a file which does not include grade setting information	**The parser should add a warning to the list**	**FAIL – No warning added to list**
Attempt parsing a file which does not contain information about the slide number or background colour	**The background colour should be set to the default whilst the slide number should cause a warning**	**FAIL – background colour is set to default but no warning added for missing slide number**
Attempt parsing a file which contains a text object but no information about start points	**The parser should add an error to the list**	**PASS**
Attempt parsing a file which contains a text object but no information about end points	**The parser should add a warning to the list**	**PASS**
Attempt parsing a file which contains a text object but no information about font, font size or font colour	**An error shouldn't occur but all should be set to the default values**	**PASS**
Attempt parsing a file which contains a text object but no information about rich text	**No error or warning should be added**	**PASS**
Attempt parsing an XML file which does contains an image file but no information about location	**The parser should add an error to the list**	**PASS**
Attempt parsing a file which contains an image object but does not contain information about	**The parser should add an error to the list**	**PASS**

a source file		
Attempt parsing a file which contains an image but the source file is non existent	**The parser should not add an error to the list**	**PASS**
Attempt parsing a file which contains an online image object but the URL is incorrectly formatted	**The parser should not add an error to the list**	**PASS**
Attempt parsing a file which contains an image object with no information about scale	**The parser should apply 1 as this value**	**PASS**
Attempt parsing a file which contains an image object with no information about rotation	**The parser should apply 0 as this value**	**PASS**
Attempt parsing a file which contains an image object with incorrectly formatted information for source file and start positions	**The parser should add an error to the list**	**PASS**
Attempt parsing a file which contains an image object with incorrectly formatted information for everything other than source file and start locations	**The parser should add a warning to the list**	**PASS**
Attempt parsing a file which contains an audio object with no information about source file or start locations	**The parser should add errors to the list**	**PASS**
Attempt parsing a file which contains an audio object without stating whether to hide or show progress bar	**The parser should hide the progress bar by default**	**FAIL**
Attempt parsing a file which contains a video object with no information for source file or start positions	**The parser should add errors to the list**	**PASS**
Attempt parsing a file which contains a video object with no information about a screenshot	**The parser should add a warning to the list**	**PASS**

Attempt parsing a file which contains a graphics object with no information about the type, position, colour or whether it is solid or not	The parser should add errors to the list	PASS
Attempt parsing a file which contains a graphics object with no information about the rotation, line thickness or line colour	The parser should add warnings to the list and default the thickness to 0.5 and rotation to 0	Currently defaults thickness to 1, reqs say 0.5.
Attempt parsing a file which contains a graphics object which states that it will use shading but does not define shading colour	The parser should add an error to the list	PASS
Attempt parsing a file which contains an answer box object with no information about start locations, character limit, correct answers, marks whether the answer is numerical or whether the question is retry-able	The parser should add an error to the list for each missing piece of information	PASS
Attempt parsing a file which which contains a multiple choice object but no information about start positions, type, orientation, marks, whether the question is retry-able and defines no correct answers	The parser should add an error to the list for each missing piece of information	FAIL – no error added if no answers defined

1.0.4 Changes made due to test

1.0.5 Additional comments on test