

s o f i a

Test Report

Integration Test

Document Control

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Test Report

1.0 Integration Testing

1.0.0 Summary of testing

Integration testing is used in order to ensure that all modules of code work as desired when they are used together.

1.0.1 Prerequisites

Various modules must be completed.

1.0.2 Test importance

High

1.0.3 Test results

| Test Case | Expected Results | Obtained Results |
|--|---|------------------|
| The following tests ensure that the text handler (a bought module) operates as required when used within LearnEasy. XML used – TextTesting.xml | | |
| Define a text object in XML | Should appear correctly in LearnEasy | Pass |
| Change font size of a text object in XML | Should appear correctly in LearnEasy | Pass |
| Change font in XML | Should appear correctly in LearnEasy | Pass |
| Change font type in XML | Should appear correctly in LearnEasy | Pass |
| The following tests ensure that the graphics handler (a bought module) operates as required when used within LearnEasy | | |
| Define a graphics object in XML | Should appear correctly in LearnEasy | Pass |
| Change the graphics type in XML | Should appear correctly in LearnEasy | Pass |
| Change the graphics shading in XML | Should appear correctly in LearnEasy | Pass |
| Change the graphics shadow in XML | Should appear correctly in LearnEasy | Pass |
| Change the graphics size in XML | Should appear correctly in LearnEasy | Pass |
| The following tests ensure that the preview functionality of TeachEasy works as required. I have included this in integration testing as the preview mode is essentially a stripped down version of LearnEasy, thus I am testing the integration of LearnEasy and TeachEasy | | |
| Create a lesson in TeachEasy and view it in preview mode | The lesson should appear correctly in preview mode, as if it were being opened in learn easy | PASS |

| | | |
|--|---|-------------|
| Reach the end of a lesson in preview mode | Certificates are not supported in preview mode so the lesson should simply end when it reaches the final page | Pass |
| Attempt to use file -> open in preview mode | This is unsupported so should not be possible | Pass |
| Check that all other features of LearnEasy are present | This should include attempting to answer questions and attempting to change page without answering all questions | Pass |
| The following tests ensure that a lesson file saved by TeachEasy can be opened by LearnEasy and all data is displayed correctly | | |
| Create a lesson in TeachEasy, save it as an XML file and open this XML file in LearnEasy | The lesson opened in LearnEasy should be identical to the one created in TeachEasy | Pass |
| The following tests ensure that when a correct log in is given the program launches the correct program (either LearnEasy or TeachEasy) | | |
| Complete TeachEasy log in screen | TeachEasy should launch | Pass |
| Complete LearnEasy log in screen | LearnEasy should launch | Pass |

1.0.4 Changes made due to test

1.0.5 Additional comments on test

As well as all of the tests outlined above; all of the retests of media handlers can be classed as integration testing since the tests were completed whilst in the editor or via viewing the corresponding data in LearnEasy.