

s o f i a

# **Test Report**

*Stress Test*

# Document Control

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# Table of Contents

<b>1.0</b>	<b>Stress testing of program</b>	<b>4</b>
1.0.0	<i>Summary of testing</i>	4
1.0.1	<i>Prerequisites</i>	4
1.0.2	<i>Test importance</i>	<i>Error! Bookmark not defined.</i>
1.0.3	<i>Test results</i>	4
1.0.4	<i>Changes made due to test</i>	5
1.0.5	<i>Additional comments on test</i>	5

# Test Report

## 1.0 Test of Video Handler

### 1.0.0 Summary of testing

In order for the program to function as required it should be able to cope with vast amounts of data. In order to test this a strategy known as stress testing will be used.

### 1.0.1 Prerequisites

Both LearnEasy and TeachEasy must be complete

### 1.0.3 Test results

Test Case	Expected Results	Obtained Results
In TeachEasy open a lesson comprising of over 200 pages and each page containing at least a video, graphic, text, question and image.	The program should be able to handle the data since it only renders one page at a time.	The program takes an extended length of time to run but once it has loaded the pages behaves normally.
In TeachEasy open a lesson comprising of over 2000 pages and each page containing at least a video, graphic, text, question and image.	The program should be able to handle the data since it only renders one page at a time.	The program takes an extended length of time to run but once it has loaded the pages behaves normally.
In TeachEasy open a lesson comprising of over 65000 pages and each page containing at least a video, graphic, text, question and image.	The program should be able to handle the data since it only renders one page at a time.	The program takes an extended length of time to run but once it has loaded the pages behaves normally.
In LearnEasy open a lesson comprising of over 200 pages and each page containing at least a video, graphic, text, question and image.	The program should be able to handle the data since it only renders one page at a time.	The program takes an extended length of time to run but once it has loaded the pages behaves normally.
In LearnEasy open a lesson comprising of over 2000 pages and each page containing at least a video, graphic, text, question and image.	The program should be able to handle the data since it only renders one page at a time.	The program takes an extended length of time to run but once it has loaded the pages behaves normally.
In LearnEasy open a lesson comprising of over 65000 pages and each page containing at least a video, graphic, text, question and image.	The program should be able to handle the data since it only renders one page at a time.	The program takes an extended length of time to run but once it has loaded the pages behaves normally.

<b>image.</b>		
<b>In LearnEasy open a lesson comprising of over 65000 pages with a warning on each page.</b>	<b>Upon opening the lesson a list of all of the warnings should be displayed</b>	<b>PASS</b>
<b>In LearnEasy open a lesson which only comprises of one page. The single page should contain a vast amount of data such as 10 videos</b>	<b>It is possible that java will run out of heap space</b>	<b>Behaves as normal</b>
<b>In TeachEasy open a lesson which only comprises of one page. The single page should contain a vast amount of data such as 10 videos</b>	<b>It is possible that java will run out of heap space</b>	<b>Behaves as normal</b>

**1.0.4 Changes made due to test**

None

**1.0.5 Additional comments on test**

The XML files used to complete this test are:

StressTest1.xml – Used to test that the programs can handle a large amount of pages

StressTest2.xml – Used to test that the programs can handle a large amount of data on each page