



MEMORANDUM for the Record

Subj: Avilar WebMentor SCORM Version 1.2 Test Results

Date: March 15, 2002

SCOPE

On March 15, 2002, the ADL Co-Lab Testbed received the enclosed e-mail verification from Avilar informing the ADL Co-Lab of upgrades to its flagship Learning Management System, WebMentor. Most noteworthy, Avilar has provided the ADL Co-Lab with definitive evidence, based on the attached self-test log, that Avilar continues its support of the ADL initiative by moving its SCORM 1.1 conforming LMS to SCORM 1.2 conformance. Unlike a number of LMS vendors who make claims of SCORM conformance through press releases without providing testlogs to support their claims, Avilar has consistently provided the ADL Co-Lab with test log evidence of SCORM conformance beginning with SCORM 1.0, SCORM 1.1 and now SCORM 1.2.

SIGNIFICANCE

Avilar was the first LMS vendor to install a SCORM 1.1 conformant LMS in the ADL Co-Lab network with installations noted at each of the 3 Co-Labs. Since that time, the Alexandria Co-Lab has frequently provided users with access to WebMentor for the purpose of demonstrating features of SCORM conformant content at the SCORM 1.1 level. The process of loading courses on LMS applications at the SCORM 1.1 level required the use of a Content Structure Format (CSF) file to describe the organization of the content. However, with SCORM 1.2, the use of the CSF is no longer a valid option in that CSF is embedded into the organization element of the IMS content packaging manifest. Without an upgrade of WebMentor to SCORM 1.2, the testbed would be constrained to content installation at the SCORM 1.1 level. With the upgrade of WebMentor to SCORM 1.2, SCORM 1.2 content can be imported and demonstrated in a commercial LMS.

Avilar is to be commended for its support as a leading early adopter of SCORM and its demonstration of SCORM 1.2 conformance.

TESTER

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RESULTS

Conclusive: SCORM 1.2 Conformant.

Installation: As a result of successful SCORM 1.2 testing, WebMentor Version 4.0g has been targeted for installation and demonstration in the Testbed.

DESCRIPTION

AVILAR Webmentor Version 4.0g

SCORM Conformance Test Suite LMS Run-Time Environment Test Suite Test Results

Course 1 Results	Course 2 Results
SCO 1 Results	SCO 1 Results
SCO 2 Results	SCO 2 Results
SCO 3 Results	SCO 3 Results
SCO 4 Results	
SCO 5 Results	
SCO 6 Results	
SCO 7 Results	
SCO 8 Results	
SCO 9 Results	





SCO 01 has been launched.





Validating SCO launch sequence.



The SCO has been launched in the appropriate sequence.



Attempting to find the LMS API implementation.



Found API.



Attempting to audit the API function implementations...

- ✔ LMSInitialize found.
- ✔ LMSFinish found.
- ✔ LMSGetValue found.
- ✔ LMSSetValue found.
- ✔ LMSCommit found.
- ✔ LMSGetLastError found.
- ✔ LMSGetErrorString found.
- ✔ LMSGetDiagnostic found.
- ✔ The LMS appears to implement all required API functions.



Attempting to call LMSInitialize function



LMSInitialize completed successfully



Beginning mandatory data model element test.



LMSGetValue(cmi.core._children) returned:
"credit,entry,exit,lesson_location,lesson_mode,lesson_status,score,session_time,student_id,student_name,total_time"



LMSGetValue(cmi.core.student_id) returned: "JOE"



LMSGetValue(cmi.core.student_name) returned: "Student, Joe"



LMSSetValue(cmi.core.lesson_location, "end") succeeded



LMSGetValue(cmi.core.lesson_location) returned: "end"



LMSGetValue(cmi.core.credit) returned: "credit"



LMSGetValue(cmi.core.lesson_status) returned: "not attempted"



LMSSetValue(cmi.core.lesson_status, "completed") succeeded



LMSGetValue(cmi.core.lesson_status) returned: "completed"



LMSGetValue(cmi.core.entry) returned: "ab-initio"




LMSGetValue(cmi.core.score._children) returned: "max,min,raw"

- ✓ LMSSetValue(cmi.core.score.raw, "0") succeeded
- ✓ LMSSetValue(cmi.core.score.raw) returned: "0"
- ✓ LMSSetValue(cmi.core.session_time, "00:01:00") succeeded
- ✓ LMSSetValue(cmi.core.exit, "") succeeded
- ✓ LMSSetValue(cmi.suspend_data, "none") succeeded
- ✓ LMSSetValue(cmi.suspend_data) returned: "none"
- ✓ LMSSetValue(cmi.launch_data) returned: "SCO1LaunchData"
- ✓ The LMS returned cmi.core.launch_data equal to the <adlcp:datafromlms> value provided in the Content Package for this SCO.
Content Package <adlcp:datafromlms> value: "SCO1LaunchData"
LMS returned: "SCO1LaunchData"

 Attempting to call LMSCommit function

✓ LMSCommit completed successfully

 Attempting to call LMSFinish function

✓ LMSFinish completed successfully

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 SCO 02 has been launched.

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 Validating SCO launch sequence.

✓ The SCO has been launched in the appropriate sequence.

 Testing API Functions

 Testing LMSInitialize with incorrect parameter value

 Calling LMSInitialize("2")

✓ LMSInitialiize returned "false" and set the API Error Code to "201" (Invalid argument

error) as expected.



Now attempting to call LMSInitialize function correctly.



LMSInitialize returned "true" and set the API Error Code to "0" (No error)



Attempting to call LMSInitialize again for this SCO



LMSInitialize returned error code "101" (General exception) as expected



Testing LMSSetValue return values and error conditions



Calling LMSSetValue("cmi.core.score.raw", "10") - (valid call for mandatory data model element)



LMSSetValue returned "true" and set the API Error Code to "0" (No error)



Calling LMSSetValue with invalid data model element name



Attempting LMSSetValue("cmi.core.none", "10") Expecting return value of "false" and error code "201" (Invalid argument error) or "401" (Not implemented error).



LMSSetValue returned "false" and set error code "201" (Invalid argument error)



Calling LMSSetValue with read-only data model element



Attempting LMSSetValue("cmi.core.student_id", "10"). Expecting return value of "false" and error code "403" (Element is read only) or "201" (Invalid argument error).



LMSSetValue returned "false" and set error code "403" (Element is read only)



Calling LMSSetValue with invalid data type for data model element



Attempting LMSSetValue("cmi.core.exit", "foo"). Expecting return value of "false" and error code "405" (Incorrect Data Type) or "201" (Invalid argument error).



LMSSetValue returned "false" and set error code "405" (Incorrect Data Type)



Calling LMSSetValue with a reserved element (. _children)



Attempting LMSSetValue("cmi.core._children", "foo"). Expecting return value of "false" and error code "402" (Invalid set value, element is a keyword) or "201" (Invalid argument error), or "403" (Element is read only).



LMSSetValue returned "false" and set error code "402" (Invalid set value, element is a keyword)



Calling LMSSetValue for list element with illegal non-sequential index value



Attempting LMSSetValue("cmi.objectives.9.id", "O09"). Expecting return value of "false" and error code "405" (Incorrect data type) or "201" (Invalid argument error) or "401" (Not implemented).



LMSSetValue returned "false" and set error code "405" (Incorrect Data Type)



Attempting LMSSetValue("cmi.core.lesson_status", "not attempted"). Expecting return value of "false" and error code "405" (Incorrect data type) or "201" (Invalid argument error)



LMSSetValue returned "false" and set error code "405" (Incorrect Data Type)



Testing LMSSetValue return values and error conditions



Calling LMSSetValue with invalid data model element name.



Attempting LMSSetValue("cmi.core.none") Expecting error code "201" (Invalid argument error) or "401" (Not implemented error).



LMSSetValue returned "" and set error code "201" (Invalid argument error)



Calling LMSSetValue with write-only data model element.



Attempting LMSSetValue("cmi.core.session_time") Expecting error code "404" (Element is write only) or "201" (Invalid argument error).



LMSSetValue returned "" and set error code "404" (Element is write only)



Calling LMSSetValue for _children on data model category that has no children



Attempting LMSSetValue("cmi.launch_data._children") Expecting error code "202" (Element cannot have children) or "201" (Invalid argument error).



LMSSetValue returned "" and set error code "202" (Element cannot have children)



Calling LMSSetValue for _count on data model element that is not an array/list



Attempting LMSSetValue("cmi.launch_data._count") Expecting error code "203" (Element not an array - Cannot have count) or "201" (Invalid argument error).



LMSSetValue returned "" and set error code "203" (Element not an array - cannot have count)



Testing LMSGetErrorString and LMSGetDiagnostic return values

- ✓ LMSGetErrorString("0") returned: "No error" as expected.
- ✓ LMSGetDiagnostic("0") returned: ""
- ✓ LMSGetErrorString("101") returned: "General exception" as expected.
- ✓ LMSGetDiagnostic("101") returned: ""
- ✓ LMSGetErrorString("201") returned: "Invalid argument error" as expected.
- ✓ LMSGetDiagnostic("201") returned: ""
- ✓ LMSGetErrorString("202") returned: "Element cannot have children" as expected.
- ✓ LMSGetDiagnostic("202") returned: ""
- ✓ LMSGetErrorString("203") returned: "Element not an array - cannot have count" as expected.
- ✓ LMSGetDiagnostic("203") returned: ""
- ✓ LMSGetErrorString("301") returned: "Not initialized" as expected.
- ✓ LMSGetDiagnostic("301") returned: ""
- ✓ LMSGetErrorString("401") returned: "Not implemented error" as expected.
- ✓ LMSGetDiagnostic("401") returned: ""
- ✓ LMSGetErrorString("402") returned: "Invalid set value, element is a keyword" as expected.
- ✓ LMSGetDiagnostic("402") returned: ""
- ✓ LMSGetErrorString("403") returned: "Element is read only" as expected.
- ✓ LMSGetDiagnostic("403") returned: ""
- ✓ LMSGetErrorString("404") returned: "Element is write only" as expected.
- ✓ LMSGetDiagnostic("404") returned: ""
- ✓ LMSGetErrorString("405") returned: "Incorrect Data Type" as expected.
- ✓ LMSGetDiagnostic("405") returned: ""

- ✓ LMSErrorString("") returned: "" as expected.
- ✓ LMSErrorDiagnostic("") returned: ""
- ✓ LMSSetValue(cmi.core.lesson_status, "completed") succeeded
- ✓ LMSSetValue(cmi.core.exit, "") succeeded
- ✓ LMSSetValue(cmi.core.session_time, "03:01:39.52") succeeded

i Testing LMSErrorCommit with incorrect parameter value

i Calling LMSErrorCommit("xyz")

- ✓ LMSErrorCommit returned "false" and set the API Error Code to "201" (Invalid argument error) as expected.

i Attempting to call LMSErrorCommit function

- ✓ LMSErrorCommit completed successfully

i Testing LMSErrorFinish with incorrect parameter value

i Calling LMSErrorFinish("yahtzee!")

- ✓ LMSErrorFinish returned "false" and set the API Error Code to "201" (Invalid argument error) as expected.

i Attempting to call LMSErrorFinish function

- ✓ LMSErrorFinish completed successfully

i *****

i SCO 03 has been launched.

i *****

i Validating SCO launch sequence.

- ✓ The SCO has been launched in the appropriate sequence.



Testing API Functions



Calling LMSGetLastError() - (prior to calling LMSInitialize)



Attempting LMSGetLastError(). Expecting return error code value of "0" (No Error).



LMSGetLastError returned "0"



Calling LMSSetValue("cmi.core.score.raw", "10") - (prior to calling LMSInitialize)



LMSSetValue returned "false" and set the API Error Code to "301" (Not initialized) as expected



Calling LMSGetValue("cmi.core.student_id") - (prior to calling LMSInitialize)



LMSGetValue returned "" and set the API Error Code to "301" (Not initialized) as expected



Calling LMSCommit("") - (prior to calling LMSInitialize)



LMSCommit returned "false" and set the API Error Code to "301" (Not initialized) as expected



Calling LMSFinish("") - (prior to calling LMSInitialize)



LMSFinish returned "false" and set the API Error Code to "301" (Not initialized) as expected



Attempting to call LMSInitialize function



LMSInitialize completed successfully



LMSGetValue(cmi.core.credit) returned a value that is of the correct datatype: credit



LMSSetValue(cmi.core.lesson_status, "failed") succeeded



LMSSetValue(cmi.core.score.raw, "25") succeeded



The test course is being taken for "credit"



LMSSetValue(cmi.core.exit, "") succeeded



LMSSetValue(cmi.core.session_time, "03:01:39.52") succeeded



Attempting to call LMSCommit function



LMSCommit completed successfully



Attempting to call LMSFinish function



LMSFinish completed successfully





SCO 04 has been launched.





Validating SCO launch sequence.



The SCO has been launched in the appropriate sequence.



Attempting to call LMSInitialize function



LMSInitialize completed successfully



LMSGetValue(cmi.core.entry) returned a value that is of the correct datatype: ab-
initio



LMSSetValue(cmi.core.lesson_location, "#paragraph3") succeeded



LMSSetValue(cmi.core.lesson_status, "incomplete") succeeded



LMSSetValue(cmi.core.exit, "logout") succeeded



LMSSetValue(cmi.core.session_time, "03:01:39.52") succeeded



LMSSetValue(cmi.suspend_data, "A=1,B=2,C=3") succeeded



Attempting to call LMSCommit function



LMSCommit completed successfully



Attempting to call LMSFinish function



LMSFinish completed successfully



This appears to be the second entry into SCO04



Attempting to call LMSInitialize function



LMSInitialize completed successfully



Testing to determine LMS ability to save state for mandatory items across sessions



LMSGetValue(cmi.core.lesson_location) returned a value that is of the correct datatype: #paragraph3



cmi.core.lesson_location value matches previously set value



LMSGetValue(cmi.suspend_data) returned a value that is of the correct datatype: A=1,B=2,C=3



cmi.suspend_data value matches previously set value



LMSGetValue(cmi.core.total_time) returned a value that is of the correct datatype: 03:01:39.52



cmi.core.total_time returned correctly



LMSSetValue(cmi.core.lesson_status, "incomplete") succeeded



LMSSetValue(cmi.core.exit, "suspend") succeeded



LMSSetValue(cmi.core.session_time, "00:12:48.22") succeeded



LMSGetValue(cmi.core.entry) returned a value that is of the correct datatype:



Attempting to call LMSCommit function



LMSCommit completed successfully



Attempting to call LMSFinish function



LMSFinish completed successfully



This appears to be the third entry into SCO04



Attempting to call LMSInitialize function



LMSInitialize completed successfully



Testing to determine LMS ability to save state for mandatory items across sessions



LMSGetValue(cmi.core.total_time) returned a value that is of the correct datatype: 03:14:27.74

-  cmi.core.total_time returned correctly
-  LMSSetValue(cmi.core.credit) returned a value that is of the correct datatype: credit
-  LMSSetValue(cmi.core.lesson_status, "failed") succeeded
-  LMSSetValue(cmi.core.score.raw, "25") succeeded
-  LMSSetValue(cmi.core.exit, "") succeeded
-  Attempting to call LMSCCommit function
-  LMSCCommit completed successfully
-  Attempting to call LMSFinish function
-  LMSFinish completed successfully

-  *****
-  SCO 05 has been launched.
-  *****
-  Validating SCO launch sequence.
-  The SCO has been launched in the appropriate sequence.
-  Attempting to call LMSInitialize function
-  LMSInitialize completed successfully
-  Beginning data model optional element implementation auditing.
-  LMSSetValue(cmi.core.score.max, "100") succeeded
-  LMSSetValue(cmi.core.score.max) returned: "100"
-  LMSSetValue(cmi.core.score.min, "00") succeeded
-  LMSSetValue(cmi.core.score.min) returned: "00"
-  LMSSetValue(cmi.core.lesson_mode) returned: "normal"
-  LMSSetValue(cmi.comments, "These are my comments") succeeded

- ✔✔ LMSSetValue(cmi.comments, " These are my comments again") succeeded
- ✔✔ LMSGetValue(cmi.comments) returned: "These are my comments These are my comments again"
- ✔✔ LMSGetValue(cmi.comments_from_lms) returned: ""
- ✔✔ LMSGetValue(cmi.objectives._children) returned: "id,mastery_time,score,status"
- ✔✔ LMSGetValue(cmi.objectives._count) returned: "0"
- ✔✔ LMSSetValue(cmi.objectives.0.id, "X990") succeeded
- ✔✔ LMSGetValue(cmi.objectives.0.id) returned: "X990"
- ✔✔ LMSGetValue(cmi.objectives.0.score._children) returned: "max,min,raw"
- ✔✔ LMSSetValue(cmi.objectives.0.score.raw, "75") succeeded
- ✔✔ LMSGetValue(cmi.objectives.0.score.raw) returned: "75"
- ✔✔ LMSSetValue(cmi.objectives.0.score.max, "100") succeeded
- ✔✔ LMSGetValue(cmi.objectives.0.score.max) returned: "100"
- ✔✔ LMSSetValue(cmi.objectives.0.score.min, "00") succeeded
- ✔✔ LMSGetValue(cmi.objectives.0.score.min) returned: "00"
- ✔✔ LMSSetValue(cmi.objectives.0.status, "completed") succeeded
- ✔✔ LMSGetValue(cmi.objectives.0.status) returned: "completed"
- ✔✔ LMSSetValue(cmi.objectives.1.id, "X991") succeeded
- ✔✔ LMSGetValue(cmi.objectives.1.id) returned: "X991"
- ✔✔ LMSGetValue(cmi.objectives.1.score._children) returned: "max,min,raw"
- ✔✔ LMSSetValue(cmi.objectives.1.score.raw, "75") succeeded
- ✔✔ LMSGetValue(cmi.objectives.1.score.raw) returned: "75"
- ✔✔ LMSSetValue(cmi.objectives.1.score.max, "100") succeeded
- ✔✔ LMSGetValue(cmi.objectives.1.score.max) returned: "100"

- ✔✔ LMSSetValue(cmi.objectives.1.score.min, "00") succeeded
- ✔✔ LMSGetValue(cmi.objectives.1.score.min) returned: "00"
- ✔✔ LMSSetValue(cmi.objectives.1.status, "completed") succeeded
- ✔✔ LMSGetValue(cmi.objectives.1.status) returned: "completed"
- ✔✔ LMSSetValue(cmi.objectives.2.id, "X992") succeeded
- ✔✔ LMSGetValue(cmi.objectives.2.id) returned: "X992"
- ✔✔ LMSGetValue(cmi.objectives.2.score._children) returned: "max,min,raw"
- ✔✔ LMSSetValue(cmi.objectives.2.score.raw, "75") succeeded
- ✔✔ LMSGetValue(cmi.objectives.2.score.raw) returned: "75"
- ✔✔ LMSSetValue(cmi.objectives.2.score.max, "100") succeeded
- ✔✔ LMSGetValue(cmi.objectives.2.score.max) returned: "100"
- ✔✔ LMSSetValue(cmi.objectives.2.score.min, "00") succeeded
- ✔✔ LMSGetValue(cmi.objectives.2.score.min) returned: "00"
- ✔✔ LMSSetValue(cmi.objectives.2.status, "completed") succeeded
- ✔✔ LMSGetValue(cmi.objectives.2.status) returned: "completed"
- ✔✔ LMSSetValue(cmi.objectives.3.id, "X993") succeeded
- ✔✔ LMSGetValue(cmi.objectives.3.id) returned: "X993"
- ✔✔ LMSGetValue(cmi.objectives.3.score._children) returned: "max,min,raw"
- ✔✔ LMSSetValue(cmi.objectives.3.score.raw, "75") succeeded
- ✔✔ LMSGetValue(cmi.objectives.3.score.raw) returned: "75"
- ✔✔ LMSSetValue(cmi.objectives.3.score.max, "100") succeeded
- ✔✔ LMSGetValue(cmi.objectives.3.score.max) returned: "100"
- ✔✔ LMSSetValue(cmi.objectives.3.score.min, "00") succeeded
- ✔✔ LMSGetValue(cmi.objectives.3.score.min) returned: "00"

- ✔ LMSSetValue(cmi.objectives.3.status, "completed") succeeded
- ✔ LMSGetValue(cmi.objectives.3.status) returned: "completed"
- ✔ LMSGetValue(cmi.objectives._count) returned: "4"
- ✔ LMSGetValue(cmi.student_data._children) returned:
"attempt_number,attempt_records,mastery_score,max_time_allowed,time_limit_action,tries,tries_during_lesson"
- ✔ LMSGetValue(cmi.student_data.mastery_score) returned: "80"
- ✔ LMSGetValue(cmi.student_data.max_time_allowed) returned: "00:00:05"
- ✔ LMSGetValue(cmi.student_data.time_limit_action) returned: "continue,message"
- ✔ The cmi.student_data.mastery_score value "80" matches the <masteryscore> defined in the Content Package for this SCO
- ✔ The cmi.student_data.max_time_allowed value "00:00:05" matches the <adlcp:maxtimeallowed> defined in the Content Package for this SCO
- ✔ The cmi.student_data.time_limit_action value "continue,message" matches the <adlcp:timelimitaction> defined in the Content Package for this SCO
- ✔ LMSGetValue(cmi.student_preference._children) returned:
"audio,language,lesson_type,speed,text,text_color,text_location,text_size,video,windows"
- ✔ LMSSetValue(cmi.student_preference.audio, "9") succeeded
- ✔ LMSGetValue(cmi.student_preference.audio) returned: "9"
- ✔ LMSSetValue(cmi.student_preference.language, "US/English") succeeded
- ✔ LMSGetValue(cmi.student_preference.language) returned: "US/English"
- ✔ LMSSetValue(cmi.student_preference.speed, "5") succeeded
- ✔ LMSGetValue(cmi.student_preference.speed) returned: "5"
- ✔ LMSSetValue(cmi.student_preference.text, "1") succeeded
- ✔ LMSGetValue(cmi.student_preference.text) returned: "1"
- ✔ LMSSetValue(cmi.core.lesson_status, "completed") succeeded
- ✔ LMSSetValue(cmi.core.exit, "") succeeded



LMSSetValue(cmi.core.session_time, "03:01:39.52") succeeded



Attempting to call LMSCommit function



LMSCommit completed successfully



Attempting to call LMSFinish function



LMSFinish completed successfully





SCO 06 has been launched.





Validating SCO launch sequence.



The SCO has been launched in the appropriate sequence.



Attempting to call LMSInitialize function



LMSInitialize completed successfully



Beginning cmi.interactions data model element implementation auditing.



LMSGetValue(cmi.interactions._children) returned:
"correct_responses,id,latency,objectives,result,student_response,time,type,weighting"



LMSGetValue(cmi.interactions._count) returned: "0"



LMSSetValue(cmi.interactions.0.id, "I000") succeeded



LMSGetValue(cmi.interactions.0.objectives._count) returned: "0"



LMSSetValue(cmi.interactions.0.objectives.0.id, "I0990") succeeded



LMSSetValue(cmi.interactions.0.objectives.1.id, "I0991") succeeded



LMSGetValue(cmi.interactions.0.objectives._count) returned: "2"



LMSSetValue(cmi.interactions.0.time, "00:00:03") succeeded



LMSSetValue(cmi.interactions.0.type, "performance") succeeded



LMSGetValue(cmi.interactions.0.correct_responses._count) returned: "0"



- ✔ LMSSetValue(cmi.interactions.0.correct_responses.0.pattern, "Alphanumeric Text since type is performance") succeeded
- ✔ LMSGetValue(cmi.interactions.0.correct_responses._count) returned: "1"
- ✔ LMSSetValue(cmi.interactions.0.weighting, "10") succeeded
- ✔ LMSSetValue(cmi.interactions.0.student_response, "Alphanumeric Text since type is performance") succeeded
- ✔ LMSSetValue(cmi.interactions.0.result, "unanticipated") succeeded
- ✔ LMSSetValue(cmi.interactions.0.latency, "00:05:00") succeeded
- ✔ LMSSetValue(cmi.interactions.1.id, "I001") succeeded
- ✔ LMSGetValue(cmi.interactions.1.objectives._count) returned: "0"
- ✔ LMSSetValue(cmi.interactions.1.objectives.0.id, "I0990") succeeded
- ✔ LMSSetValue(cmi.interactions.1.objectives.1.id, "I0991") succeeded
- ✔ LMSGetValue(cmi.interactions.1.objectives._count) returned: "2"
- ✔ LMSSetValue(cmi.interactions.1.time, "00:00:03") succeeded
- ✔ LMSSetValue(cmi.interactions.1.type, "true-false") succeeded
- ✔ LMSGetValue(cmi.interactions.1.correct_responses._count) returned: "0"
- ✔ LMSSetValue(cmi.interactions.1.correct_responses.0.pattern, "t") succeeded
- ✔ LMSGetValue(cmi.interactions.1.correct_responses._count) returned: "1"
- ✔ LMSSetValue(cmi.interactions.1.weighting, "10") succeeded
- ✔ LMSSetValue(cmi.interactions.1.student_response, "f") succeeded
- ✔ LMSSetValue(cmi.interactions.1.result, "wrong") succeeded
- ✔ LMSSetValue(cmi.interactions.1.latency, "00:05:00") succeeded
- ✔ LMSSetValue(cmi.interactions.2.id, "I002") succeeded
- ✔ LMSGetValue(cmi.interactions.2.objectives._count) returned: "0"
- ✔ LMSSetValue(cmi.interactions.2.objectives.0.id, "I0990") succeeded

 LMSSetValue(cmi.interactions.2.objectives.1.id, "I0991") succeeded

 LMSSetValue(cmi.interactions.2.objectives._count, "2") succeeded

 LMSSetValue(cmi.interactions.2.time, "00:00:03") succeeded

 LMSSetValue(cmi.interactions.2.type, "likert") succeeded

 LMSSetValue(cmi.interactions.2.correct_responses._count, "0") succeeded

 LMSSetValue(cmi.interactions.2.correct_responses.0.pattern, "") succeeded

 LMSSetValue(cmi.interactions.2.correct_responses._count, "1") succeeded

 LMSSetValue(cmi.interactions.2.weighting, "10") succeeded

 LMSSetValue(cmi.interactions.2.student_response, "j") succeeded

 LMSSetValue(cmi.interactions.2.result, "neutral") succeeded

 LMSSetValue(cmi.interactions.2.latency, "00:05:00") succeeded

 LMSSetValue(cmi.interactions._count, "3") succeeded

 LMSSetValue(cmi.core.lesson_status, "completed") succeeded

 LMSSetValue(cmi.core.exit, "") succeeded

 LMSSetValue(cmi.core.session_time, "03:01:39.52") succeeded

 Attempting to call LMSCommit function

 LMSCommit completed successfully

 Attempting to call LMSFinish function

 LMSFinish completed successfully

 Attempting to call LMSInitialize function

 LMSInitialize completed successfully

 *****

 SCO 07 has been launched.





Validating SCO launch sequence.



The SCO has been launched in the appropriate sequence.



LMSGetValue(cmi.core._children) returned expected error code: "0"



LMSGetValue(cmi.core.student_id) returned expected error code: "0"



LMSGetValue(cmi.core.student_name) returned expected error code: "0"



LMSGetValue(cmi.core.lesson_location) returned expected error code: "0"



LMSGetValue(cmi.core.credit) returned expected error code: "0"



LMSGetValue(cmi.core.lesson_status) returned expected error code: "0"



LMSGetValue(cmi.core.entry) returned expected error code: "0"



LMSGetValue(cmi.core.score._children) returned expected error code: "0"



LMSGetValue(cmi.core.score.raw) returned expected error code: "0"



LMSGetValue(cmi.core.total_time) returned expected error code: "0"



LMSGetValue(cmi.core.exit) returned expected error code: "404"



LMSGetValue(cmi.core.session_time) returned expected error code: "404"



LMSGetValue(cmi.suspend_data) returned expected error code: "0"



LMSGetValue(cmi.launch_data) returned expected error code: "0"



LMSGetValue(cmi.core.score.max) returned expected error code: "0"



LMSGetValue(cmi.core.score.min) returned expected error code: "0"



LMSGetValue(cmi.core.lesson_mode) returned expected error code: "0"



LMSGetValue(cmi.comments) returned expected error code: "0"



LMSGetValue(cmi.comments_from_lms) returned expected error code: "0"




LMSGetValue(cmi.student_data._children) returned expected error code: "0"




LMSGetValue(cmi.student_data.mastery_score) returned expected error code: "0"



- ✔✔ LMSGetValue(cmi.student_data.max_time_allowed) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.student_data.time_limit_action) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.student_preference._children) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.student_preference.audio) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.student_preference.language) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.student_preference.speed) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.student_preference.text) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.interactions._children) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.interactions._count) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.interactions.0.id) returned expected error code: "404"
- ✔✔ LMSGetValue(cmi.interactions.1.id) returned expected error code: "404"
- ✔✔ LMSGetValue(cmi.interactions.0.objectives._count) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.interactions.4.objectives._count) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.interactions.0.objectives.0.id) returned expected error code: "404"
- ✔✔ LMSGetValue(cmi.interactions.2.objectives.0.id) returned expected error code: "404"
- ✔✔ LMSGetValue(cmi.interactions.0.time) returned expected error code: "404"
- ✔✔ LMSGetValue(cmi.interactions.2.time) returned expected error code: "404"
- ✔✔ LMSGetValue(cmi.interactions.0.type) returned expected error code: "404"
- ✔✔ LMSGetValue(cmi.interactions.1.type) returned expected error code: "404"
- ✔✔ LMSGetValue(cmi.interactions.0.correct_responses._count) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.interactions.2.correct_responses._count) returned expected error code: "0"
- ✔✔ LMSGetValue(cmi.interactions.0.correct_responses.0.pattern) returned expected error code: "404"

 LMSGetValue(cmi.interactions.1.correct_responses.1.pattern) returned expected error code: "404"

 LMSGetValue(cmi.interactions.2.correct_responses.0.pattern) returned expected error code: "404"

 LMSGetValue(cmi.interactions.0.weighting) returned expected error code: "404"

 LMSGetValue(cmi.interactions.1.weighting) returned expected error code: "404"

 LMSGetValue(cmi.interactions.0.student_response) returned expected error code: "404"

 LMSGetValue(cmi.interactions.1.student_response) returned expected error code: "404"

 LMSGetValue(cmi.interactions.0.result) returned expected error code: "404"

 LMSGetValue(cmi.interactions.2.result) returned expected error code: "404"

 LMSGetValue(cmi.interactions.0.latency) returned expected error code: "404"

 LMSGetValue(cmi.interactions.2.latency) returned expected error code: "404"

 LMSSetValue(cmi.core.lesson_status, "completed") succeeded

 LMSSetValue(cmi.core.exit, "") succeeded

 LMSSetValue(cmi.core.session_time, "03:01:39.52") succeeded

 Attempting to call LMSCommit function

 LMSCommit completed successfully

 Attempting to call LMSFinish function

 LMSFinish completed successfully

 Attempting to call LMSInitialize function

 LMSInitialize completed successfully

 *****

 SCO 08 has been launched.





Validating SCO launch sequence.



The SCO has been launched in the appropriate sequence.



LMSSetValue(cmi.core._children) returned expected error code: "402". Condition tested: Called LMSSetValue



LMSSetValue(cmi.core.student_id) returned expected error code: "403". Condition tested: Called LMSSetValue



LMSSetValue(cmi.core.student_name) returned expected error code: "403". Condition tested: Called LMSSetValue



LMSSetValue(cmi.core.lesson_location) completed successfully. Condition tested: Valid CMISString255: "(A Blank String). Returned expected error code: "0"



LMSSetValue(cmi.core.lesson_location) completed successfully. Condition tested: Valid CMISString255: 1 Character. Returned expected error code: "0"



LMSSetValue(cmi.core.lesson_location) completed successfully. Condition tested: Valid CMISString255: 25 Characters. Returned expected error code: "0"



LMSSetValue(cmi.core.lesson_location) completed successfully. Condition tested: Valid CMISString255: 255 Characters. Returned expected error code: "0"



LMSSetValue(cmi.core.lesson_location) returned expected error code: "405". Condition tested: Invalid CMISString255: 256 Characters



LMSSetValue(cmi.core.lesson_location) returned expected error code: "405". Condition tested: Invalid CMISString255: 500 Characters



LMSSetValue(cmi.core.credit) returned expected error code: "403". Condition tested: Called LMSSetValue



LMSSetValue(cmi.core.lesson_status) completed successfully. Condition tested: Valid CMIVocabulary: 'passed'. Returned expected error code: "0"



LMSSetValue(cmi.core.lesson_status) completed successfully. Condition tested: Valid CMIVocabulary: 'completed'. Returned expected error code: "0"



LMSSetValue(cmi.core.lesson_status) completed successfully. Condition tested: Valid CMIVocabulary: 'failed'. Returned expected error code: "0"



LMSSetValue(cmi.core.lesson_status) completed successfully. Condition tested: Valid CMIVocabulary: 'incomplete'. Returned expected error code: "0"

- ✔ LMSSetValue(cmi.core.lesson_status) completed successfully. Condition tested: Valid CMIVocabulary: 'browsed'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.lesson_status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'not attempted'
- ✔ LMSSetValue(cmi.core.lesson_status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'NA'
- ✔ LMSSetValue(cmi.core.lesson_status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'status set to completed'
- ✔ LMSSetValue(cmi.core.lesson_status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Passed'
- ✔ LMSSetValue(cmi.core.entry) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.core.score._children) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.core.score.raw) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.score.raw) completed successfully. Condition tested: Value of '90.99'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.score.raw) completed successfully. Condition tested: Value of '99'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.score.raw) completed successfully. Condition tested: Value of '100'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.score.raw) returned expected error code: "405". Condition tested: Value of '-99'
- ✔ LMSSetValue(cmi.core.score.raw) returned expected error code: "405". Condition tested: Value of '-90.99'
- ✔ LMSSetValue(cmi.core.score.raw) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✔ LMSSetValue(cmi.core.total_time) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.core.exit) completed successfully. Condition tested: Valid CMIVocabulary: 'time-out'. Returned expected error code: "0"

- ✔ LMSSetValue(cmi.core.exit) completed successfully. Condition tested: Valid CMIVocabulary: 'suspend'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.exit) completed successfully. Condition tested: Valid CMIVocabulary: 'logout'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.exit) completed successfully. Condition tested: Empty String. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.exit) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Suspend'
- ✔ LMSSetValue(cmi.core.exit) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'LOGOUT'
- ✔ LMSSetValue(cmi.core.exit) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'T'
- ✔ LMSSetValue(cmi.core.exit) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'timeout'
- ✔ LMSSetValue(cmi.core.exit) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'timeou'
- ✔ LMSSetValue(cmi.core.session_time) completed successfully. Condition tested: Valid CMITimespan '0000:03:45.5'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.session_time) completed successfully. Condition tested: Valid CMITimespan '1121:03:40'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.session_time) completed successfully. Condition tested: Valid CMITimespan '1121:00:40'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.session_time) completed successfully. Condition tested: Valid CMITimespan '0000:00:40'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.session_time) completed successfully. Condition tested: Valid CMITimespan '0000:00:40.5'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.session_time) completed successfully. Condition tested: Valid CMITimespan '0000:00:00'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.session_time) completed successfully. Condition tested: Valid CMITimespan '30:30:40'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.session_time) completed successfully. Condition tested: Valid CMITimespan '30:99:40'. Returned expected error code: "0"

- ✔ LMSSetValue(cmi.core.session_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '3 hours'
- ✔ LMSSetValue(cmi.core.session_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '33330:30:40'
- ✔ LMSSetValue(cmi.core.session_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:330:40'
- ✔ LMSSetValue(cmi.core.session_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:40 seconds'
- ✔ LMSSetValue(cmi.core.session_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.34'
- ✔ LMSSetValue(cmi.core.session_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.344545'
- ✔ LMSSetValue(cmi.suspend_data) completed successfully. Condition tested: Valid CMISString4096: "(A Blank String). Returned expected error code: "0"
- ✔ LMSSetValue(cmi.suspend_data) completed successfully. Condition tested: Valid CMISString4096: 1 Character. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.suspend_data) completed successfully. Condition tested: Valid CMISString4096: 25 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.suspend_data) completed successfully. Condition tested: Valid CMISString4096: 4096 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.suspend_data) returned expected error code: "405". Condition tested: Invalid CMISString4096: 4097 Characters
- ✔ LMSSetValue(cmi.suspend_data) returned expected error code: "405". Condition tested: Invalid CMISString4096: 5000 Characters
- ✔ LMSSetValue(cmi.launch_data) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.core.score.max) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.score.max) completed successfully. Condition tested: Value of '90.99'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.core.score.max) completed successfully. Condition tested: Value of '99'. Returned expected error code: "0"

- ✓ LMSSetValue(cmi.core.score.max) completed successfully. Condition tested: Value of '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.max) returned expected error code: "405". Condition tested: Value of '-99'
- ✓ LMSSetValue(cmi.core.score.max) returned expected error code: "405". Condition tested: Value of '-90.99'
- ✓ LMSSetValue(cmi.core.score.max) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.core.score.min) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.min) completed successfully. Condition tested: Value of '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.min) completed successfully. Condition tested: Value of '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.min) completed successfully. Condition tested: Value of '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.min) returned expected error code: "405". Condition tested: Value of '-99'
- ✓ LMSSetValue(cmi.core.score.min) returned expected error code: "405". Condition tested: Value of '-90.99'
- ✓ LMSSetValue(cmi.core.score.min) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.core.lesson_mode) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.comments) completed successfully. Condition tested: Valid CMISString4096: "(A Blank String). Returned expected error code: "0"
- ✓ LMSSetValue(cmi.comments) completed successfully. Condition tested: Valid CMISString4096: 4096 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.comments) returned expected error code: "405". Condition tested: Invalid CMISString4096: 4097 Characters
- ✓ LMSSetValue(cmi.comments_from_lms) returned expected error code: "403". Condition tested: Called LMSSetValue

- ✔ LMSSetValue(cmi.objectives._children) returned expected error code: "402".
Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.objectives._count) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.objectives.0.id) completed successfully. Condition tested: Valid CMIIIdentifier "(A Blank String)". Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.0.id) completed successfully. Condition tested: Valid CMIIIdentifier 1 Character. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.0.id) completed successfully. Condition tested: Valid CMIIIdentifier 25 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.0.id) completed successfully. Condition tested: Valid CMIIIdentifier 255 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier 256 Characters
- ✔ LMSSetValue(cmi.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier 500 Characters
- ✔ LMSSetValue(cmi.objectives.1.id) completed successfully. Condition tested: Valid CMIIIdentifier "(A Blank String)". Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.1.id) completed successfully. Condition tested: Valid CMIIIdentifier 1 Character. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.1.id) completed successfully. Condition tested: Valid CMIIIdentifier 25 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.1.id) completed successfully. Condition tested: Valid CMIIIdentifier 255 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.1.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier 256 Characters
- ✔ LMSSetValue(cmi.objectives.1.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier 500 Characters
- ✔ LMSSetValue(cmi.objectives.0.score._children) returned expected error code: "402".
Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.objectives.1.score._children) returned expected error code: "402".
Condition tested: Called LMSSetValue

- ✓ LMSSetValue(cmi.objectives.0.score.raw) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.raw) completed successfully. Condition tested: Value of '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.raw) completed successfully. Condition tested: Value of '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.raw) completed successfully. Condition tested: Value of '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.raw) returned expected error code: "405". Condition tested: Value of '-99'
- ✓ LMSSetValue(cmi.objectives.0.score.raw) returned expected error code: "405". Condition tested: Value of '-90.99'
- ✓ LMSSetValue(cmi.objectives.0.score.raw) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.objectives.1.score.raw) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.raw) completed successfully. Condition tested: Value of '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.raw) completed successfully. Condition tested: Value of '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.raw) completed successfully. Condition tested: Value of '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.raw) returned expected error code: "405". Condition tested: Value of '-99'
- ✓ LMSSetValue(cmi.objectives.1.score.raw) returned expected error code: "405". Condition tested: Value of '-90.99'
- ✓ LMSSetValue(cmi.objectives.1.score.raw) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.objectives.0.score.max) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.max) completed successfully. Condition tested: Value of '90.99'. Returned expected error code: "0"

- ✓✓ LMSSetValue(cmi.objectives.0.score.max) completed successfully. Condition tested: Value of '99'. Returned expected error code: "0"
- ✓✓ LMSSetValue(cmi.objectives.0.score.max) completed successfully. Condition tested: Value of '100'. Returned expected error code: "0"
- ✓✓ LMSSetValue(cmi.objectives.0.score.max) returned expected error code: "405". Condition tested: Value of '-99'
- ✓✓ LMSSetValue(cmi.objectives.0.score.max) returned expected error code: "405". Condition tested: Value of '-90.99'
- ✓✓ LMSSetValue(cmi.objectives.0.score.max) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓✓ LMSSetValue(cmi.objectives.1.score.max) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✓✓ LMSSetValue(cmi.objectives.1.score.max) completed successfully. Condition tested: Value of '90.99'. Returned expected error code: "0"
- ✓✓ LMSSetValue(cmi.objectives.1.score.max) completed successfully. Condition tested: Value of '99'. Returned expected error code: "0"
- ✓✓ LMSSetValue(cmi.objectives.1.score.max) completed successfully. Condition tested: Value of '100'. Returned expected error code: "0"
- ✓✓ LMSSetValue(cmi.objectives.1.score.max) returned expected error code: "405". Condition tested: Value of '-99'
- ✓✓ LMSSetValue(cmi.objectives.1.score.max) returned expected error code: "405". Condition tested: Value of '-90.99'
- ✓✓ LMSSetValue(cmi.objectives.1.score.max) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓✓ LMSSetValue(cmi.objectives.0.score.min) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✓✓ LMSSetValue(cmi.objectives.0.score.min) completed successfully. Condition tested: Value of '90.99'. Returned expected error code: "0"
- ✓✓ LMSSetValue(cmi.objectives.0.score.min) completed successfully. Condition tested: Value of '99'. Returned expected error code: "0"
- ✓✓ LMSSetValue(cmi.objectives.0.score.min) completed successfully. Condition tested: Value of '100'. Returned expected error code: "0"

- ✔ LMSSetValue(cmi.objectives.0.score.min) returned expected error code: "405".
Condition tested: Value of '-99'
- ✔ LMSSetValue(cmi.objectives.0.score.min) returned expected error code: "405".
Condition tested: Value of '-90.99'
- ✔ LMSSetValue(cmi.objectives.0.score.min) returned expected error code: "405".
Condition tested: 'one hundred' - written out
- ✔ LMSSetValue(cmi.objectives.2.score.min) completed successfully. Condition tested:
Value of '0'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.2.score.min) completed successfully. Condition tested:
Value of '90.99'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.2.score.min) completed successfully. Condition tested:
Value of '99'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.2.score.min) completed successfully. Condition tested:
Value of '100'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.2.score.min) returned expected error code: "405".
Condition tested: Value of '-99'
- ✔ LMSSetValue(cmi.objectives.2.score.min) returned expected error code: "405".
Condition tested: Value of '-90.99'
- ✔ LMSSetValue(cmi.objectives.2.score.min) returned expected error code: "405".
Condition tested: 'one hundred' - written out
- ✔ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested:
Valid CMIVocabulary: 'passed'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested:
Valid CMIVocabulary: 'completed'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested:
Valid CMIVocabulary: 'failed'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested:
Valid CMIVocabulary: 'incomplete'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested:
Valid CMIVocabulary: 'browsed'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested:
Valid CMIVocabulary: 'not attempted'. Returned expected error code: "0"

- ✔ LMSSetValue(cmi.objectives.0.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'NA'
- ✔ LMSSetValue(cmi.objectives.0.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'status set to completed'
- ✔ LMSSetValue(cmi.objectives.0.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Passed'
- ✔ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'passed'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'completed'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'failed'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'incomplete'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'browsed'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'not attempted'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.objectives.1.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'NA'
- ✔ LMSSetValue(cmi.objectives.1.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'status set to completed'
- ✔ LMSSetValue(cmi.objectives.1.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Passed'
- ✔ LMSSetValue(cmi.student_data._children) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.student_data.mastery_score) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.student_data.max_time_allowed) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.student_data.time_limit_action) returned expected error code: "403". Condition tested: Called LMSSetValue

- ✔✔ LMSSetValue(cmi.student_preference._children) returned expected error code: "402".
Condition tested: Called LMSSetValue
- ✔✔ LMSSetValue(cmi.student_preference.audio) completed successfully. Condition tested: Value of '-32768'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.student_preference.audio) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.student_preference.audio) completed successfully. Condition tested: Value of '32768'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.student_preference.audio) returned expected error code: "405".
Condition tested: '-50000'
- ✔✔ LMSSetValue(cmi.student_preference.audio) returned expected error code: "405".
Condition tested: '-32769'
- ✔✔ LMSSetValue(cmi.student_preference.audio) returned expected error code: "405".
Condition tested: '32769'
- ✔✔ LMSSetValue(cmi.student_preference.audio) returned expected error code: "405".
Condition tested: '50000'
- ✔✔ LMSSetValue(cmi.student_preference.audio) returned expected error code: "405".
Condition tested: 'Empty String'
- ✔✔ LMSSetValue(cmi.student_preference.audio) returned expected error code: "405".
Condition tested: 'Foo'
- ✔✔ LMSSetValue(cmi.student_preference.language) completed successfully. Condition tested: Valid CMISString255: "(A Blank String). Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.student_preference.language) completed successfully. Condition tested: Valid CMISString255: 1 Character. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.student_preference.language) completed successfully. Condition tested: Valid CMISString255: 25 Characters. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.student_preference.language) completed successfully. Condition tested: Valid CMISString255: 255 Characters. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.student_preference.language) returned expected error code: "405".
Condition tested: Invalid CMISString255: 256 Characters
- ✔✔ LMSSetValue(cmi.student_preference.language) returned expected error code: "405".
Condition tested: Invalid CMISString255: 500 Characters

- ✔ LMSSetValue(cmi.student_preference.speed) completed successfully. Condition tested: Value of '-32768'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student_preference.speed) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student_preference.speed) completed successfully. Condition tested: Value of '32768'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student_preference.speed) returned expected error code: "405". Condition tested: '-50000'
- ✔ LMSSetValue(cmi.student_preference.speed) returned expected error code: "405". Condition tested: '-32769'
- ✔ LMSSetValue(cmi.student_preference.speed) returned expected error code: "405". Condition tested: '32769'
- ✔ LMSSetValue(cmi.student_preference.speed) returned expected error code: "405". Condition tested: '50000'
- ✔ LMSSetValue(cmi.student_preference.speed) returned expected error code: "405". Condition tested: 'Empty String'
- ✔ LMSSetValue(cmi.student_preference.speed) returned expected error code: "405". Condition tested: 'Foo'
- ✔ LMSSetValue(cmi.student_preference.text) completed successfully. Condition tested: Value of '-32768'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student_preference.text) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student_preference.text) completed successfully. Condition tested: Value of '32768'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student_preference.text) returned expected error code: "405". Condition tested: '-50000'
- ✔ LMSSetValue(cmi.student_preference.text) returned expected error code: "405". Condition tested: '-32769'
- ✔ LMSSetValue(cmi.student_preference.text) returned expected error code: "405". Condition tested: '32769'
- ✔ LMSSetValue(cmi.student_preference.text) returned expected error code: "405". Condition tested: '50000'

- ✔ LMSSetValue(cmi.student_preference.text) returned expected error code: "405".
Condition tested: 'Empty String'
- ✔ LMSSetValue(cmi.student_preference.text) returned expected error code: "405".
Condition tested: 'Foo'
- ✔ LMSSetValue(cmi.interactions._children) returned expected error code: "402".
Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.interactions._count) returned expected error code: "402".
Condition tested: Called LMSSetValue
- ✔ LMSSetValue(cmi.interactions.0.id) completed successfully. Condition tested: Valid
CMIIIdentifier "(A Blank String). Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.id) completed successfully. Condition tested: Valid
CMIIIdentifier 1 Character. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.id) completed successfully. Condition tested: Valid
CMIIIdentifier 25 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.id) completed successfully. Condition tested: Valid
CMIIIdentifier 255 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.id) returned expected error code: "405". Condition
tested: Invalid CMIIIdentifier 256 Characters
- ✔ LMSSetValue(cmi.interactions.0.id) returned expected error code: "405". Condition
tested: Invalid CMIIIdentifier 500 Characters
- ✔ LMSSetValue(cmi.interactions.1.id) completed successfully. Condition tested: Valid
CMIIIdentifier "(A Blank String). Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.1.id) completed successfully. Condition tested: Valid
CMIIIdentifier 1 Character. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.1.id) completed successfully. Condition tested: Valid
CMIIIdentifier 25 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.1.id) completed successfully. Condition tested: Valid
CMIIIdentifier 255 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.1.id) returned expected error code: "405". Condition
tested: Invalid CMIIIdentifier 256 Characters
- ✔ LMSSetValue(cmi.interactions.1.id) returned expected error code: "405". Condition
tested: Invalid CMIIIdentifier 500 Characters

- ✓ LMSSetValue(cmi.interactions.0.objectives._count) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.interactions.1.objectives._count) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) completed successfully. Condition tested: Valid CMIIentifier "(A Blank String). Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) completed successfully. Condition tested: Valid CMIIentifier 1 Character. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) completed successfully. Condition tested: Valid CMIIentifier 25 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) completed successfully. Condition tested: Valid CMIIentifier 255 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIentifier 256 Characters
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIentifier 500 Characters
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) completed successfully. Condition tested: Valid CMIIentifier "(A Blank String). Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) completed successfully. Condition tested: Valid CMIIentifier 1 Character. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) completed successfully. Condition tested: Valid CMIIentifier 25 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) completed successfully. Condition tested: Valid CMIIentifier 255 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIentifier 256 Characters
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIentifier 500 Characters
- ✓ LMSSetValue(cmi.interactions.0.time) completed successfully. Condition tested: Valid CMITime '23:03:33.4'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.time) completed successfully. Condition tested: Valid CMITime '00:00:00'. Returned expected error code: "0"

- ✓ LMSSetValue(cmi.interactions.0.time) completed successfully. Condition tested: Valid CMITime '00:00:00.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.time) completed successfully. Condition tested: Valid CMITime '00:00:35.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.time) completed successfully. Condition tested: Valid CMITime '00:10:35.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.time) returned expected error code: "405". Condition tested: Invalid CMITime '99:03:33.4'
- ✓ LMSSetValue(cmi.interactions.0.time) returned expected error code: "405". Condition tested: Invalid CMITime '12:99:33.4'
- ✓ LMSSetValue(cmi.interactions.0.time) returned expected error code: "405". Condition tested: Invalid CMITime '12:99:3 seconds'
- ✓ LMSSetValue(cmi.interactions.0.time) returned expected error code: "405". Condition tested: Invalid CMITime '9812:99:33.4'
- ✓ LMSSetValue(cmi.interactions.2.time) completed successfully. Condition tested: Valid CMITime '23:03:33.4'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.time) completed successfully. Condition tested: Valid CMITime '00:00:00'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.time) completed successfully. Condition tested: Valid CMITime '00:00:00.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.time) completed successfully. Condition tested: Valid CMITime '00:00:35.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.time) completed successfully. Condition tested: Valid CMITime '00:10:35.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.time) returned expected error code: "405". Condition tested: Invalid CMITime '99:03:33.4'
- ✓ LMSSetValue(cmi.interactions.2.time) returned expected error code: "405". Condition tested: Invalid CMITime '12:99:33.4'
- ✓ LMSSetValue(cmi.interactions.2.time) returned expected error code: "405". Condition tested: Invalid CMITime '12:99:3 seconds'
- ✓ LMSSetValue(cmi.interactions.2.time) returned expected error code: "405". Condition tested: Invalid CMITime '9812:99:33.4'

- ✔ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'true-false'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'choice'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'fill-in'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'matching'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'performance'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'sequencing'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'likert'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'numeric'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.0.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'TF'
- ✔ LMSSetValue(cmi.interactions.0.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'status set to choice'
- ✔ LMSSetValue(cmi.interactions.0.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: "(Empty String)"
- ✔ LMSSetValue(cmi.interactions.0.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Numeric'
- ✔ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'true-false'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'choice'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'fill-in'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'matching'. Returned expected error code: "0"

- ✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'performance'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'sequencing'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'likert'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'numeric'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'TF'
- ✓ LMSSetValue(cmi.interactions.1.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'status set to choice'
- ✓ LMSSetValue(cmi.interactions.1.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: "(Empty String)"
- ✓ LMSSetValue(cmi.interactions.1.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Numeric'
- ✓ LMSSetValue(cmi.interactions.0.correct_responses._count) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.interactions.1.correct_responses._count) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.interactions.0.correct_responses.0.pattern) completed successfully. Condition tested: Valid CMIFeedback. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.correct_responses.5.pattern) returned expected error code: "405". Condition tested: Invalid CMIFeedback - not sequential
- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: Value of '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: Value of '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: Value of '100'. Returned expected error code: "0"

- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: Value of '-99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: Value of '-90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.weighting) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: Value of '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: Value of '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: Value of '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: Value of '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: Value of '-99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: Value of '-90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.interactions.0.student_response) completed successfully. Condition tested: Valid CMIFeedback. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.5.student_response) returned expected error code: "405". Condition tested: Invalid CMIFeedback - not sequential
- ✓ LMSSetValue(cmi.interactions.0.result) completed successfully. Condition tested: Valid CMIVocabulary 'correct'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.result) completed successfully. Condition tested: Valid CMIVocabulary 'wrong'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.result) completed successfully. Condition tested: Valid CMIVocabulary 'unanticipated'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.result) completed successfully. Condition tested: Valid CMIVocabulary 'neutral'. Returned expected error code: "0"

- ✔✔ LMSSetValue(cmi.interactions.0.result) completed successfully. Condition tested: Valid CMIVocabulary, a decimal value '95.5'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.interactions.0.result) returned expected error code: "405". Condition tested: Invalid CMIVocabulary 'C'
- ✔✔ LMSSetValue(cmi.interactions.0.result) returned expected error code: "405". Condition tested: Invalid CMIVocabulary 'WRONG'
- ✔✔ LMSSetValue(cmi.interactions.0.result) returned expected error code: "405". Condition tested: Invalid CMIVocabulary 'UNanticipated'
- ✔✔ LMSSetValue(cmi.interactions.2.result) completed successfully. Condition tested: Valid CMIVocabulary 'correct'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.interactions.2.result) completed successfully. Condition tested: Valid CMIVocabulary 'wrong'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.interactions.2.result) completed successfully. Condition tested: Valid CMIVocabulary 'unanticipated'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.interactions.2.result) completed successfully. Condition tested: Valid CMIVocabulary 'neutral'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.interactions.2.result) completed successfully. Condition tested: Valid CMIVocabulary, a decimal value '95.5'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.interactions.2.result) returned expected error code: "405". Condition tested: Invalid CMIVocabulary 'C'
- ✔✔ LMSSetValue(cmi.interactions.2.result) returned expected error code: "405". Condition tested: Invalid CMIVocabulary 'WRONG'
- ✔✔ LMSSetValue(cmi.interactions.2.result) returned expected error code: "405". Condition tested: Invalid CMIVocabulary 'UNanticipated'
- ✔✔ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '0000:03:45.5'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '1121:03:40'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '1121:00:40'. Returned expected error code: "0"
- ✔✔ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:40'. Returned expected error code: "0"

- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:40.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:00'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '30:30:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '30:99:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3 hours'
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '33330:30:40'
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:330:40'
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:40 seconds'
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.34'
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.344545'
- ✓ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '0000:03:45.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '1121:03:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '1121:00:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:40.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:00'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '30:30:40'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '30:99:40'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3 hours'

✓ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '33330:30:40'

✓ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:330:40'

✓ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:40 seconds'

✓ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.34'

✓ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.344545'

✓ LMSSetValue(cmi.core.lesson_status, "completed") succeeded

✓ LMSSetValue(cmi.core.exit, "") succeeded

✓ LMSSetValue(cmi.core.session_time, "03:01:39.52") succeeded

i Attempting to call LMSCCommit function

✓ LMSCCommit completed successfully

i Attempting to call LMSFinish function

✓ LMSFinish completed successfully

i *****

i SCO 09 has been launched.

i *****

i Validating SCO launch sequence.



The SCO has been launched in the appropriate sequence.



Attempting to call LMSInitialize function



LMSInitialize completed successfully



LMSSetValue(cmi.core.lesson_status, "completed") succeeded



LMSSetValue(cmi.core.exit, "") succeeded



LMSSetValue(cmi.core.session_time, "00:00:30") succeeded



Attempting to call LMSFinish function



LMSFinish completed successfully





SCO 01 has been launched.





Validating SCO launch sequence.



The SCO has been launched in the appropriate sequence.



Attempting to call LMSInitialize function



LMSInitialize completed successfully



LMSGetValue(cmi.core.student_name) returned a value that is of the correct datatype:
Learner, Mary



LMSGetValue(cmi.core.credit) returned a value that is of the correct datatype:
no-credit



LMSGetValue(cmi.core.lesson_mode) returned a value that is of the correct datatype:
browse



LMSGetValue(cmi.launch_data) returned a value that is of the correct datatype:
SCO01 Launch Data




The LMS returned cmi.core.launch_data equal to the <adlcp:datafromlms> value
provided in the Content Package for this SCO.





Content Package <adlcp:datafromlms> value: "SCO01 Launch Data"


LMS returned: "SCO01 Launch Data"

 LMSGetValue(cmi.student_data.mastery_score) returned a value that is of the correct datatype: 70

 The cmi.student_data.mastery_score value "70" matches the <adlcp:masteryscore> defined in the Content Package for this SCO

 LMSGetValue(cmi.student_data.max_time_allowed) returned a value that is of the correct datatype: 00:00:05

 The cmi.student_data.max_time_allowed value "00:00:05" matches the <adlcp:maxtimeallowed> defined in the Content Package for this SCO

 LMSGetValue(cmi.student_data.time_limit_action) returned a value that is of the correct datatype: continue,message

 The cmi.student_data.time_limit_action value "continue,message" matches the <adlcp:timelimitaction> defined in the Content Package for this SCO


 LMSSetValue(cmi.core.lesson_status, "completed") succeeded

 LMSSetValue(cmi.core.exit, "") succeeded

 LMSSetValue(cmi.core.session_time, "00:00:30") succeeded


 Attempting to call LMSCommit function

 LMSCommit completed successfully

 Attempting to call LMSFinish function

 LMSFinish completed successfully

 *****

 SCO 02 has been launched.

 *****

 Validating SCO launch sequence.

 The SCO has been launched in the appropriate sequence.


 Attempting to call LMSInitialize function

 LMSInitialize completed successfully

- ✔ LMSGetValue(cmi.core.credit) returned a value that is of the correct datatype: no-credit
- ✔ LMSGetValue(cmi.core.lesson_mode) returned a value that is of the correct datatype: browse
- ✔ LMSSetValue(cmi.core.lesson_location, "#paragraph3") succeeded
- ✔ LMSSetValue(cmi.core.lesson_status, "incomplete") succeeded
- ✔ LMSSetValue(cmi.core.exit, "logout") succeeded
- ✔ LMSSetValue(cmi.core.session_time, "00:05:20.31") succeeded
- ✔ LMSSetValue(cmi.suspend_data, "A=1,B=2,C=3") succeeded
- i** Attempting to call LMSFinish function
- ✔ LMSFinish completed successfully


- i** This appears to be the second entry into SCO02
- i** Attempting to call LMSInitialize function
- ✔ LMSInitialize completed successfully
- i** Testing to determine LMS ability to save state for mandatory items across sessions
- ✔ LMSGetValue(cmi.core.lesson_location) returned a value that is of the correct datatype: #paragraph3
- ✔ cmi.core.lesson_location value matches previously set value
- ✔ LMSGetValue(cmi.suspend_data) returned a value that is of the correct datatype: A=1,B=2,C=3
- ✔ cmi.suspend_data value matches previously set value
- ✔ LMSGetValue(cmi.core.credit) returned a value that is of the correct datatype: no-credit
- ✔ LMSSetValue(cmi.core.lesson_status, "completed") succeeded
- ✔ LMSSetValue(cmi.core.exit, "") succeeded

 LMSSetValue(cmi.core.session_time, "03:01:39.52") succeeded

 Attempting to call LMSFinish function

 LMSFinish completed successfully

 *****

 SCO 03 has been launched.

 *****

 Validating SCO launch sequence.

 The SCO has been launched in the appropriate sequence.


 Attempting to call LMSInitialize function

 LMSInitialize completed successfully

 LMSSetValue(cmi.core.lesson_status, "completed") succeeded

 LMSSetValue(cmi.core.exit, "") succeeded

 LMSSetValue(cmi.core.session_time, "00:00:30") succeeded

 Attempting to call LMSFinish function

 LMSFinish completed successfully