



Next Generation Integration Scorecard Assessment Functional Area

The Assessment Functional Area defines the means to create, access, and take assessments. An Assessment may represent a quiz, survey, or other evaluation that includes assessment Items. Assessment Items are extensible objects to capture various types of questions, such as a multiple choice or an asset submission.

Item

An Item is an individual assessment item such as a question to be included in a test. Items always have Questions parts and may also have one or more Answer parts
Also known as: <i>Question</i>

<input type="checkbox"/> Read Operations for <i>Items</i> :	<i>Score</i>
<input type="checkbox"/> Get Items given unique ids	
<input type="checkbox"/> Get all the Items in a system or Catalog	
<input type="checkbox"/> Query (Search) Items based on attribute-based query terms or keywords	
<input type="checkbox"/> Register for notifications that Items have been created, updated or deleted	

<input type="checkbox"/> Write Operations for <i>Items</i> :	
<input type="checkbox"/> Create, Update and Delete Items	
<input type="checkbox"/> Add an alias Id to reference an existing Item	
<input type="checkbox"/> Organize Items into AssessmentBanks	

Minimally Supported Attributes of *Items*:

● A unique and permanent identifier
● The name of the Item
● A description of the Item
● The question type of the Item (multiple choice, short answer, essay submission, connect the dots, etc.)

<ul style="list-style-type: none"> • Learning Objectives corresponding to the Item
<ul style="list-style-type: none"> • The Question associated with this Item
<ul style="list-style-type: none"> • Answers associated with this Item, if available. Questions may have more than one acceptable Answer

Minimally Supported Attributes of *Questions*:

<ul style="list-style-type: none"> • A unique and permanent identifier
<ul style="list-style-type: none"> • The name of the Question (which may be the same as for the Item)
<ul style="list-style-type: none"> • A description of the Question (which may be the same as for the Item)
<ul style="list-style-type: none"> • The type of the Question, which corresponds to the Item type
<ul style="list-style-type: none"> • Attributes of the Question that are unique to the particular question Type

Minimally Supported Attributes of *Answers*:

<ul style="list-style-type: none"> • A unique and permanent identifier
<ul style="list-style-type: none"> • The name of the Answer
<ul style="list-style-type: none"> • A description of the Answer
<ul style="list-style-type: none"> • The type of the Answer, which corresponds to the Item type
<ul style="list-style-type: none"> • Attributes of the Answer that are unique to the particular question Type

Assessment

<p>An Assessment is a sequence of assessment items. Basic Assessment authoring functionality for simple Assessments (those without Sections or Parts and which do not support Sequencing rules) should also be supported. More complete and advanced Assessment authoring is covered in the Assessment Authoring Functional Area.</p>
<p>Also known as: <i>Test, Quiz, Survey, Assignment, Evaluation, Rubric</i></p>

Read Operations for *Assessments*: *Score*

<input type="checkbox"/> Get Assessments given unique Ids	
<input type="checkbox"/> Get all the Assessments in a system or Catalog	
<input type="checkbox"/> Query (Search) Assessments based on attribute-based query terms or keywords	
<input type="checkbox"/> Register for notifications that Assessments have been created, updated or deleted	

Write Operations for *Assessments*:

<input type="checkbox"/> Create, Update and Delete Assessments	
<input type="checkbox"/> Add an alias Id to reference an existing Assessment	
<input type="checkbox"/> Organize Assessments into AssessmentBanks	

Basic *Assessment* Authoring Operations:

<input type="checkbox"/> Get the Items, in sequence, from an Assessment being authored	
<input type="checkbox"/> Add an existing Items to an Assessment being authored	
<input type="checkbox"/> Remove Items from an Assessment being authored	
<input type="checkbox"/> Sequence/order Items in an Assessment being authored	

Minimally Supported Attributes of *Assessments*:

<ul style="list-style-type: none"> • A unique and permanent identifier
<ul style="list-style-type: none"> • The name of the Assessment
<ul style="list-style-type: none"> • A description of the Assessment
<ul style="list-style-type: none"> • The type of the Assessment, test, quiz, survey, assignment, rubric
<ul style="list-style-type: none"> • The level corresponding to the assessment difficulty, perhaps as a Grade
<ul style="list-style-type: none"> • A Rubric associated with the Assessment, if available

AssessmentOffered

An *AssessmentOffered* is an *Assessment* available for taking. Usually includes information about when the assessment can be taken and additional rules like when an *Assessment* can be taken, its duration, whether *Items* can be shuffled, etc.

Also known as: *Test, Quiz, or Survey* (if they are available for taking)

Read Operations for *AssessmentsOffered*:

Score

<input type="checkbox"/> Get <i>AssessmentsOffered</i> given unique Ids	
<input type="checkbox"/> Get all the <i>AssessmentsOffered</i> in a system or Catalog	
<input type="checkbox"/> Get <i>AssessmentsOffered</i> for <i>Assessments</i>	
<input type="checkbox"/> Query (Search) <i>AssessmentsOffered</i> based on attribute-based query terms or keywords	

<input type="checkbox"/> Register for notifications that AssessmentsOffered have been created, updated or deleted	
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Write Operations for *AssessmentsOffered*: Score

<input type="checkbox"/> Create AssessmentOffered for an Assessment	
<input type="checkbox"/> Update and Delete AssessmentsOffered	
<input type="checkbox"/> Add an alias Id to reference an existing AssessmentOffered	
<input type="checkbox"/> Organize AssessmentsOffered into AssessmentBanks	

Minimally Supported Attributes of *AssessmentsOffered*:

<ul style="list-style-type: none"> • A unique and permanent identifier
<ul style="list-style-type: none"> • The name of the Assessment Offered
<ul style="list-style-type: none"> • A description of the AssessmentOffered
<ul style="list-style-type: none"> • The type of the AssessmentOffered
<ul style="list-style-type: none"> • The Assessment associated with this AssessmentOffered
<ul style="list-style-type: none"> • The level corresponding to the Assessment difficulty, perhaps as a Grade
<ul style="list-style-type: none"> • Boolean test whether the Items or Parts in the Assessment are taken sequentially
<ul style="list-style-type: none"> • Boolean test whether the Items or Parts appear in a random order
<ul style="list-style-type: none"> • The start time for the Assessment, if available
<ul style="list-style-type: none"> • The deadline, or end time of the Assessment, if available
<ul style="list-style-type: none"> • The Duration of the Assessment, if available
<ul style="list-style-type: none"> • The GradeSystem for the score, if the Assessment will be scored
<ul style="list-style-type: none"> • The GradeSystem for the Grade, if the Assessment will be scored

AssessmentTaken

An AssessmentTaken is an AssessmentOffered that has been completed or in progress by a Taker (typically a student).
Also known as:

Read Operations for *AssessmentsTaken*: Score

<input type="checkbox"/> Get AssessmentsTaken given unique Ids	
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<input type="checkbox"/> Get all the AssessmentsTaken in a system or Catalog	
<input type="checkbox"/> Query (Search) AssessmentsTaken based on attribute-based query terms or keywords	
<input type="checkbox"/> Register for notifications that AssessmentsTaken have been created, updated or deleted	

Write Operations for *AssessmentsTaken*:

<input type="checkbox"/> Create, Update and Delete AssessmentsTaken	
<input type="checkbox"/> Add an alias Id to reference an existing AssessmentsTaken	
<input type="checkbox"/> Organize AssessmentsTaken into AssessmentBanks	

Operations for taking an Offered Assessment:

<input type="checkbox"/> Get the first Section of an AssessmentOffered for taking	
<input type="checkbox"/> Get next Section of an AssessmentOffered for taking	
<input type="checkbox"/> Get all Sections of an AssessmentOffered for Taking	
<input type="checkbox"/> Test if an assessment Section has begun or is over	
<input type="checkbox"/> Test whether an assessment Section requires synchronous Responses	
<input type="checkbox"/> Get the first Question of an assessment Section for taking	
<input type="checkbox"/> Get the next Question in an assessment Section for taking if possible	
<input type="checkbox"/> Get a Question for taking based on its Item Id	
<input type="checkbox"/> Get all Questions in an assessment Section for taking if possible	
<input type="checkbox"/> Skip a Question in an assessment Section if possible	
<input type="checkbox"/> Submit a Response to a Question in an assessment Section	
<input type="checkbox"/> Test whether a Question has been answered	
<input type="checkbox"/> Get unanswered Questions in an assessment Section	
<input type="checkbox"/> Get the currently submitted Response to an assessment Item	
<input type="checkbox"/> Clear the currently submitted Response to an assessment Item if possible	
<input type="checkbox"/> Declare that an assessment Section has been finished	
<input type="checkbox"/> Check if an answer is available for an assessment Item	
<input type="checkbox"/> Get the acceptable answers to an assessment Item if available	
<input type="checkbox"/> Declare that an Assessment has been finished	

Operations for reviewing one's own Taken Assessments:

<input type="checkbox"/> Get all the AssessmentTakens started by the user during a given period of time	
<input type="checkbox"/> Get all the AssessmentTakens started by the user	
<input type="checkbox"/> Get all the AssessmentTakens in progress by the user during a given period of time	
<input type="checkbox"/> Get all the AssessmentTakens in started but not completed by the user	
<input type="checkbox"/> Get all the AssessmentTakens completed by the user	

Operations for reviewing Items and Responses in Taken Assessments:

<input type="checkbox"/> Get the Items questioned in an AssessmentTaken	
<input type="checkbox"/> Get the submitted Responses from an AssessmentTaken	
<input type="checkbox"/> Get a list of grade entries for this AssessmentTaken if available	

Minimally Supported Attributes of *AssessmentsTaken*:

<ul style="list-style-type: none"> • A unique and permanent identifier
<ul style="list-style-type: none"> • The name of the AssessmentTaken
<ul style="list-style-type: none"> • A description of the AssessmentTaken
<ul style="list-style-type: none"> • The type of the AssessmentTaken
<ul style="list-style-type: none"> • The taker associated with the AssessmentTaken
<ul style="list-style-type: none"> • The AssessmentOffered associated with the AssessmentTaken

Minimally Supported Attributes of *Responses*:

<ul style="list-style-type: none"> • The assessment Item to which this Response was submitted
<ul style="list-style-type: none"> • Attributes of the Response that are unique to the particular question Type

AssessmentBank

<p>A directory or other kind of organizational construct for managing the entities of assessment. Such a grouping serves to separate assessment related entities for a different course, organizations, departments, etc, and to scope searches.</p>
<p>Also known as: <i>Catalog</i></p>

Read Operations for *AssessmentBanks*:

Score

<input type="checkbox"/> Get AssessmentBanks given unique Ids	
<input type="checkbox"/> Get all the AssessmentBanks in a system or Catalog	
<input type="checkbox"/> Query AssessmentBanks based on attribute-based query terms or keywords	
<input type="checkbox"/> Traverse Hierarchical relationships between AssessmentBanks	
<input type="checkbox"/> Register for notifications that AssessmentBanks have been created, updated or deleted	
<input type="checkbox"/> Register for notifications that hierarchical relationships between AssessmentBanks have been created, updated or deleted	

Write Operations for *AssessmentBanks*:

<input type="checkbox"/> Create, Update and Delete AssessmentBanks	
<input type="checkbox"/> Add an alias Id to reference an existing AssessmentBank	
<input type="checkbox"/> Manage Hierarchical relationships between AssessmentBanks	

Minimally Supported Attributes of *AssessmentBanks*:

<ul style="list-style-type: none"> • A unique and permanent identifier.
<ul style="list-style-type: none"> • The name of the AssessmentBank
<ul style="list-style-type: none"> • A description of the AssessmentBank
<ul style="list-style-type: none"> • The type of the AssessmentBank
<ul style="list-style-type: none"> • The provider of this AssessmentBank
<ul style="list-style-type: none"> • Any available branding for this AssessmentBank, for example, an organizational logo
<ul style="list-style-type: none"> • Any licensing (terms of usage) associated with this AssessmentBank