Next Generation Integration Scorecard
Learning (Objectives) Functional Area

The Learning Functional Areas defines learning objectives, outcomes, and similar entities. A learning Objective describes measurable learning goals or skills.

**Objective**

An **Objective** Describes a measurable learning goal. These are referenced in other functional groups such as managing courses, authoring assessments, and analyzing student success.

Also known as: **Learning Objective, Outcome, Learning Outcome, LO, Learning Goal, Goal, Job Skill, Skill, Competency** (as in the definition of a competency)

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**Read Operations for Objectives:**

- Get Objectives given unique Ids
- Get all the Objectives in a system or Catalog
- Query (Search) Objectives based on attribute-based query terms or keywords
- Traverse relationships between Objectives
- Register for notifications that Objectives have been created, updated or deleted
- Register for notifications that relationships between Objectives have been changed

**Write Operations for Objectives:**

- Create, Update and Delete Objectives
- Add an alias Id to reference an existing Objective
- Edit relationships between Objectives
- Sequence sibling Objectives that belong to the same parent
- Organize Objectives into catalogs

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Minimally Supported Attributes of Objectives:

- A unique and permanent identifier

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Activity

Describes what a student can do to achieve an objective and includes references to assets (documents, videos, etc), assessments, and courses

Also known as:

- Read Operations for Activities:
  - Get Activities given unique IDs
  - Get all the Activities in a system or Catalog
  - Query Activities based on attribute-based query terms or keywords
  - Register for notifications that Activities have been created, updated or deleted

- Write Operations for Activities:
  - Create, Update and Delete Activities
  - Add an alias ID to reference an existing Activity
  - Organize Activities into catalogs

Minimally Supported Attributes of Activities:

- A unique and permanent identifier.
- The Name of the Activity
- A Description of the Activity
- The type of the Activity
- The Objective associated with the Activity
- A content Asset associated with the Activity, if available
- An Assessment associated with the Activity, if available
- A Course associated with the Activity, if available
## Proficiency

Measures a person’s mastery of an Objective

Also known as: Mastery, Competency (as is a person’s competency)

<table>
<thead>
<tr>
<th>❑ Read Operations for Proficiencies:</th>
<th>Score</th>
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<tbody>
<tr>
<td>❑ Get Proficiencies given unique Ids</td>
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<td></td>
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<td>❑ Get Proficiencies for learning Objectives</td>
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<tr>
<td>❑ Get Proficiencies for resources being measured, typically a Person</td>
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<tr>
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</tr>
<tr>
<td>❑ Update and Delete Proficiencies</td>
<td></td>
</tr>
<tr>
<td>❑ Add an alias Id to reference an existing Activity</td>
<td></td>
</tr>
<tr>
<td>❑ Organize Proficiencies into catalogs</td>
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</tbody>
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Minimally Supported Attributes of Proficiencies:

- A unique and permanent identifier.
- The name of the Proficiency
- A description of the Proficiency
- The type of the Proficiency: measured via assessment, certified by dean, self-declared
- The resource, typically a person, to whom this Proficiency applies
- The Objective to which this Proficiency applies
- The percentage completion of the Objective by the resource
- The Proficiency level of the resource as expressed as a grade, if available
- The effective start date and end date of this Proficiency
- The reason this Proficiency ended, if applicable

Catalog

A directory or other kind of organization for learning objectives. Such a grouping serves to separate learning objectives managed by different organizations or departments and to scope searches.

Also known as: ObjectiveBank

Read Operations for Catalogs:

- Get Catalogs given unique Ids
- Get all the Catalogs in a system or Catalog
- Query (Search) Catalogs based on attribute-based query terms or keywords
- Traverse Hierarchical relationships between Catalogs
- Register for notifications Catalogs have been created, updated or deleted
- Register for notifications that hierarchical relationships between Catalogs have been created, updated or deleted

Write Operations for Catalogs:

- Create, Update and Delete Catalogs
- Add an alias Id to reference an existing Catalog

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## Manage Hierarchical relationships between Catalogs

**Minimally Supported Attributes of Catalogs:**

- A unique and permanent identifier.
- The name of the Catalog
- A description of the Catalog
- The type of the Catalog
- The provider of this Catalog
- Any available branding for this Catalog, for example, an organizational logo
- Any licensing (terms of usage) associated with this Catalog