Next Generation Integration Scorecard
Course Plan Functional Area

The Course Plan functional area maps syllabi defined in a Syllabus to scheduled Activities to manage the logistics of following a lesson plan during an offering of a course.

Plan

A Plan relates a Syllabus to a CourseOffering to form a lesson plan. All or a selected set of Modules within a Syllabus may be included in the Plan

Also known as: LessonPlan

Read Operations for Plans:

<table>
<thead>
<tr>
<th>Get Plans given unique Ids</th>
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<tbody>
<tr>
<td>Get all the Plans in a system or Catalog</td>
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<tr>
<td>Get Plans for Syllabi</td>
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<tr>
<td>Get Plans for CourseOfferings</td>
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<tr>
<td>Query (Search) Plans based on attribute-based query terms or keywords</td>
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<tr>
<td>Register for notifications that Plans have been created, updated or deleted</td>
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Read Operations for Plans:

| Create Plan for Syllabus and CourseOffering |                  |
| Update and Delete Plans |                  |
| Add an alias Id to reference an existing GradebookColumn |                  |
| Organize Plans into catalogs |                  |

Minimally Supported Attributes of Plans:

- A unique and permanent identifier
- The name of the Plan
● A description of the Plan
● The type of the Plan
● The Syllabus associated with the Plan
● The CourseOffering associated with the Plan
● The Modules to apply to this Plan
● Effective date range of this Plan
● The reason this Plan ended, if applicable

Lesson

A Lesson maps a Plan to a Docet in a Syllabus. A Lesson has a time duration covering one or more Activities and may be checked off or skipped during the execution of the course. Systems may also provide a way of "anchoring" Lessons with a Plan. Lessons correspond to their corresponding Docets laid out along the related Activities. The LessonAnchor ties a Lesson to a specific Activity or at a specific time offset within the specific Activity.

Also known as:

❑ Read Operations for Lessons:       Score
   ❑ Get Lessons given unique Ids
   ❑ Get all the Lessons in a system or Catalog
   ❑ Get Lessons for Plans
   ❑ Get Lessons for Docets
   ❑ Query (Search) Lessons based on attribute-based query terms or keywords
   ❑ Register for notifications that Lessons have been created, updated or deleted

❑ Write Operations for Lessons:
   ❑ Create Lesson for Plan and Docet
   ❑ Update and Delete Lessons
   ❑ Add an alias Id to reference an existing Lesson
   ❑ Organize Lessons into catalogs
Operations for dealing with Lesson Conflicts:

- Get all Lessons for a Plan
- Get a list of overlapping Lessons for a Plan
- Get a list of Lessons that do not begin at the start of an Activity for a Plan
- Get a list of Lessons that do not end at the end of an Activity for a Plan
- Get a list of Activities with lesson gaps for a Plan

Operations for Anchoring Lessons:

- Get all LessonAnchors for a Plan.
- Add a LessonAnchor for a given Lesson and Activity with a time offset
- Clear all LessonAnchors for an entire plan
- Clear all LessonAnchors in a Lesson
- Clear all LessonAnchors for a Lesson within the given offset time range

Minimally Supported Attributes of Lessons:

- A unique and permanent identifier
- The name of the Lesson
- A description of the Lesson
- The type of the Lesson
- The Plan associated with the Lesson
- The Docet associated with the Lesson
- The Activities to which this Lesson applies
- The planned start time within the first Activity as determined by Lesson scheduling
- Whether this Lesson has begun
- The Actual Start Time of the Lesson
- The Actual Starting Activity of the Lesson
- Whether this Lesson has been marked as Complete
- Whether this Lesson has been marked as skipped
- The Actual End Time of the Lesson
- The Actual Ending Activity of the Lesson
- The actual duration of this lesson if it has completed, in progress, or skipped
- Effective date range of this Lesson
Minimally Supported Attributes of Lesson Anchors:

- The Lesson
- The Activity
- The time offset from the start of the activity where the anchor exists.

Catalog

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

Also known as: CourseCatalog

**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
- 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