National Schools Interoperability Program NSIP

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Data Model Update

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Data Model Update

- Current Version 3.4.2
  - Support for Jurisdiction Implementations – NSW,WA
  - Full support for NAPLAN Results & Reporting
  - Included Wellbeing Objects
    - Wellbeing Alert
    - Wellbeing Appeal
    - Wellbeing Event
    - Wellbeing Characteristic
    - Wellbeing Response
    - Personalised Plan

NAPLAN Online

- National Assessment – Years 3, 5, 7, 9
- Rich dataset due to adaptive branching nature of tests
- Objects covering Test, Testlet, Test Items, Student Response, School Test Summary. Over 300+ elements
- Results and reporting objects defined in SIF AU data model
  http://specification.sifassociation.org/Implementation/AU/
- Technical specification, sample files, XSD available via NSIP Github site
  https://github.com/nsip/naplan-results-reporting
- NIAS toolset available to assist interpretation and QA of results XML data
  - Open source
  - Run from any desktop
  - Allows inspection, QA and export to CSV
  - Many (30+) reports developed

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Data Model Update

- Summary of all changes can be found here:
- http://specification.sifassociation.org/Implementation/AU/3.4.2/Introduction.html#HighlightedAdditionsChanges
- Latest Release Date – November 14

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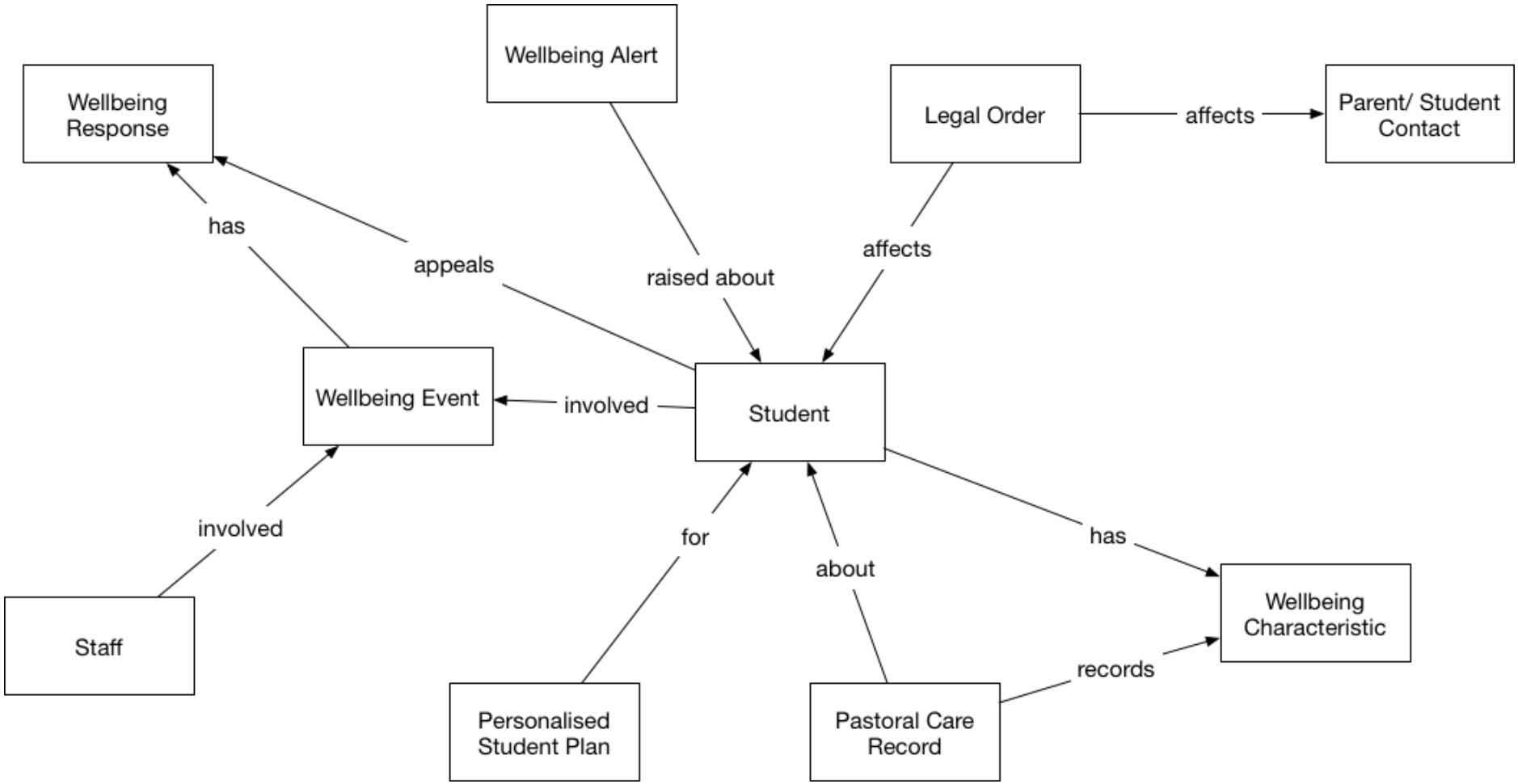
Data Model Update

→ Wellbeing Conceptual Modelling



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Data Model Update

- 2nd Assessment Workshop held in September
- Latest document for review on GitHub
  - https://github.com/nsip/sif34_assessment
- Community Members are invited to read and provide comment.

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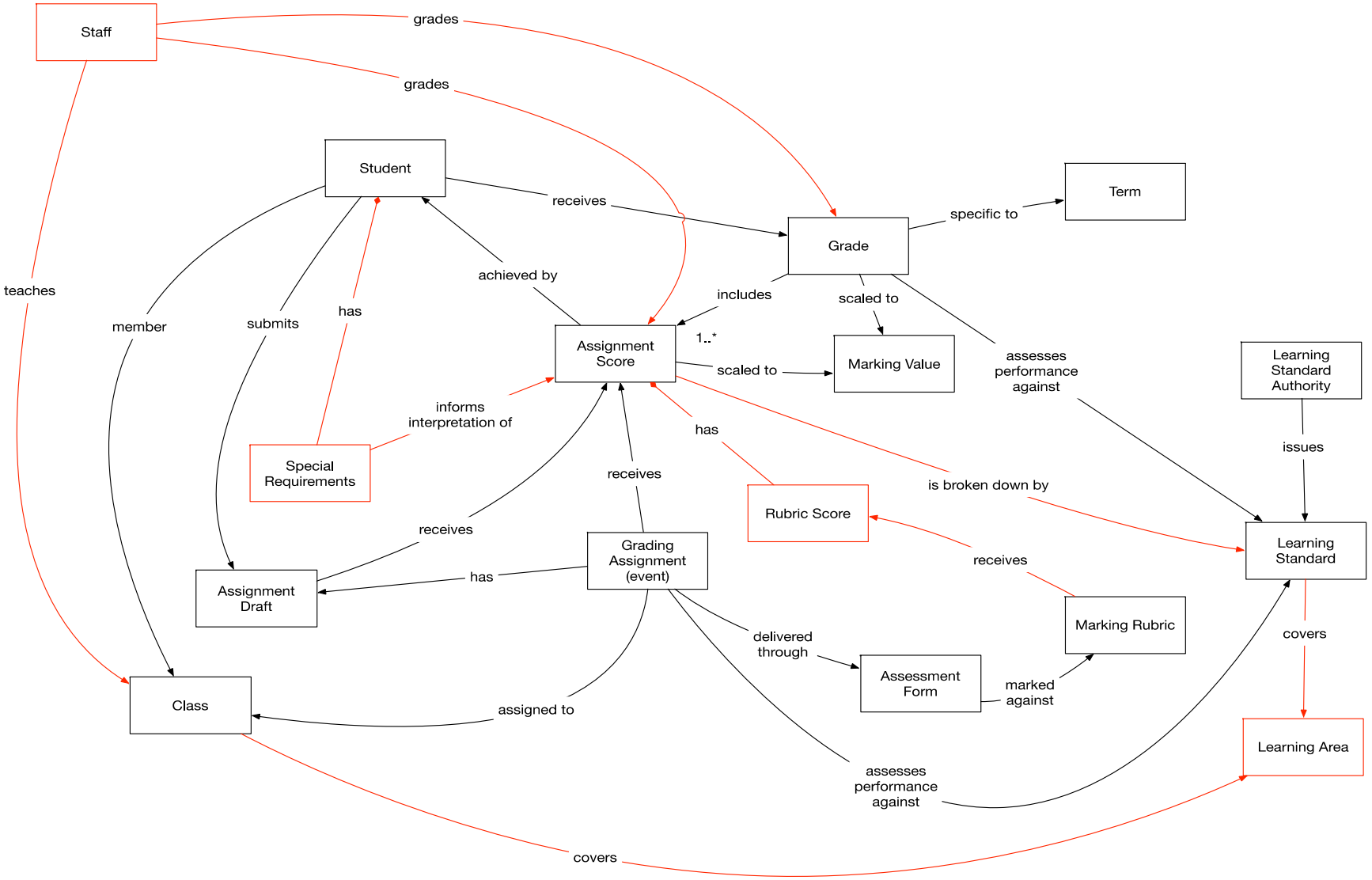
Primary School Conceptual Assessment



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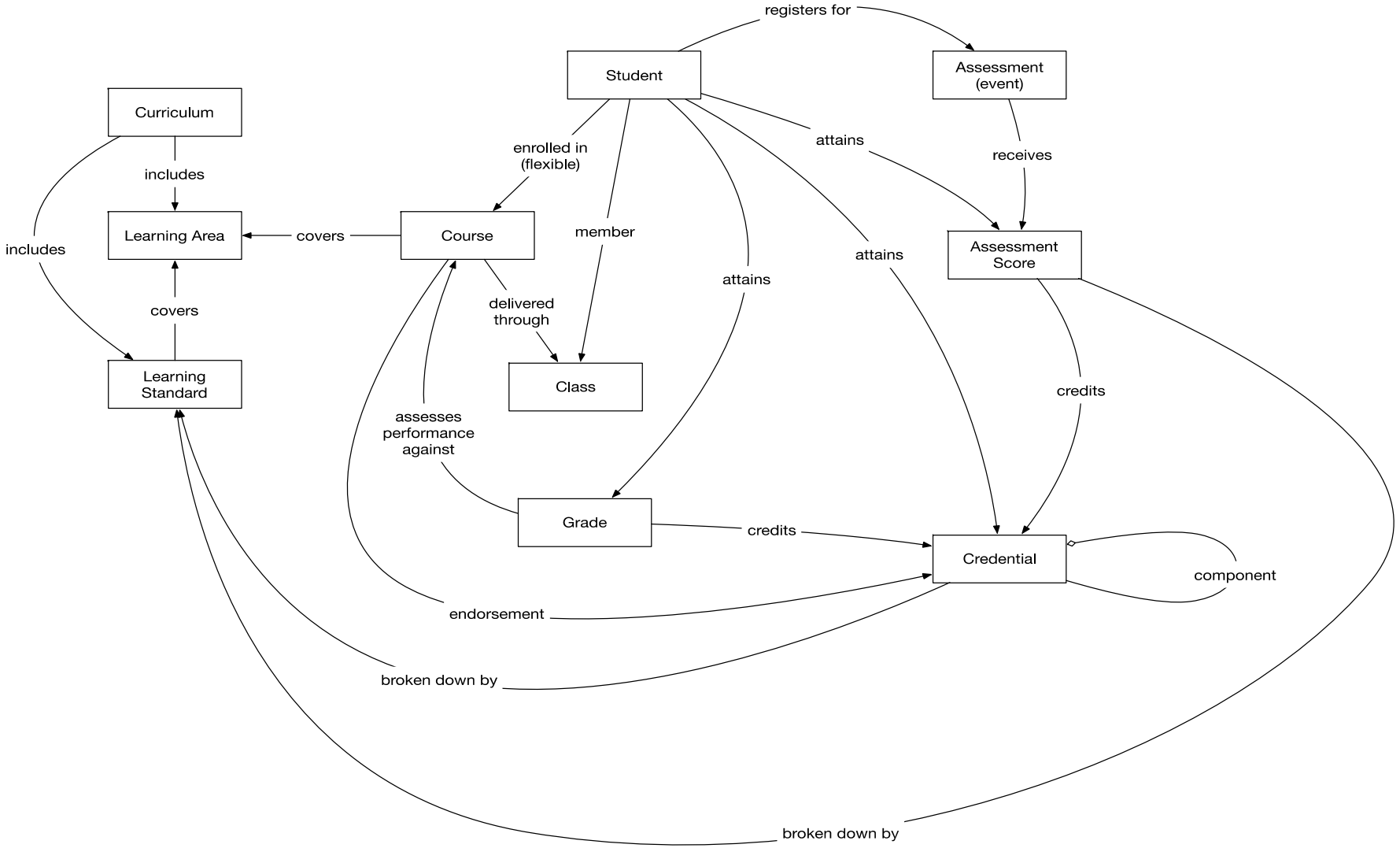
Secondary Assessment Realisation



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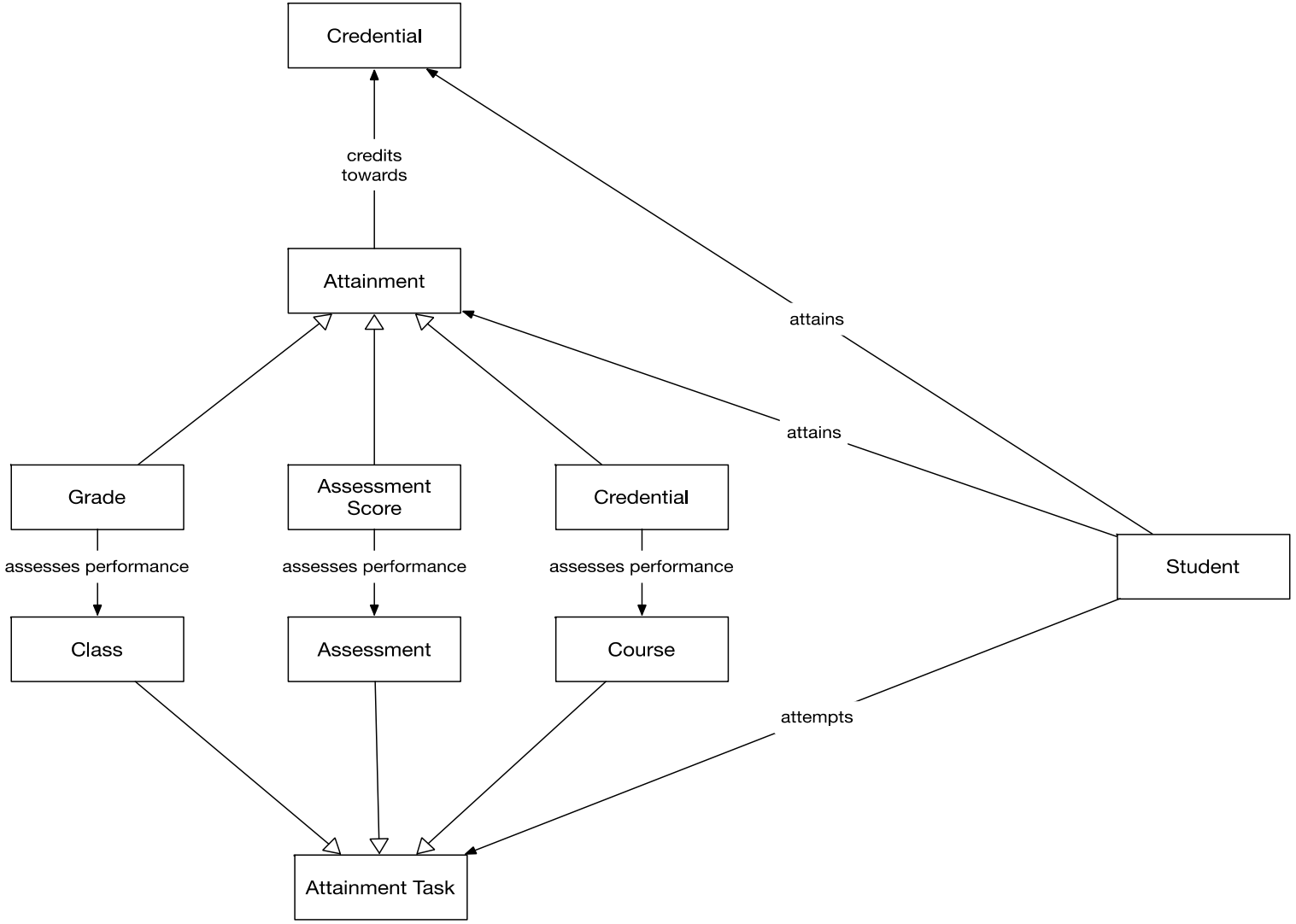
Student Attainment Achievement



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Next Steps

- 3.4.3
  - Privacy Filtering
  - Assessment Object updates that are agreed
    - Likely to be in the domain of Student Attainment Realisation
  - Release date planned for early 1st Quarter 2018

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Next Steps

- Post 3.4.3
- Further Assessment workshops and consultation
- Updates to Wellbeing post WA implementations
- Updates to Meta-Data
  - In-use Flag?, ‘Soft Delete’,
  - Page Queries
- Investigation of Wrapper Objects

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Next Steps

→ Investigation of Wrapper Objects e.g.

```
<xs:complexType name="MSDataSyncSchoolType">
    <xs:annotation>
        <xs:documentation>This is a wrapper for MS Data Sync School</xs:documentation>
    </xs:annotation>
    <xs:sequence>
        <xs:element name="SyncSource_SchoolId" type="LocalIdType"/>
        <xs:element name="SchoolNumber" type="StateProvinceIdType"/>
        <xs:element name="ACARAId" type="xs:normalizedString"/>
        <xs:element name="StateId" type="StateProvinceIdType"/>
        <xs:element name="LowestGrade" type="YearLevelType"/>
        <xs:element name="HighestGrade" type="YearLevelType"/>
        <xs:element name="SchoolPrincipalSyncSourceId" type="LocalIdType"/>
        <xs:element name="SchoolPrincipalName" type="NameOfRecordType"/>
        <xs:element name="SchoolPrincipalEmail" type="EmailType"/>
        <xs:element name="Address" type="AddressStreetType"/>
        <xs:element name="City" type="xs:normalizedString"/>
        <xs:element name="State" type="StateProvinceType"/>
        <xs:element name="Country" type="CountryType"/>
        <xs:element name="Zip" type="xs:normalizedString"/>
        <xs:element name="SchoolZone" type="LocalIdType"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="EducationSchool" type="MSDataSyncSchoolType"/>
```

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Next Steps

→ This concept could also be extended to support other APIs such as OneRoster and our Use Cases where a Wrapper could represent a Use Case. E.g.

```
<xs:complexType name="TimeTableContainerType">
    <xs:annotation>
        <xs:documentation>This is a wrapper for TimeTable.</xs:documentation>
    </xs:annotation>
    <xs:sequence>
        <!--xs:element name="SchoolInfo" type="SchoolInfoType" nillable="true"/-->
        <xs:element name="TimeTable" type="TimeTableType" nillable="true" maxOccurs="unbounded"/>
        <xs:element name="TimeTableCell" type="TimeTableCellType" nillable="true" maxOccurs="unbounded"/>
        <xs:element name="TeachingGroup" type="TeachingGroupType" nillable="true" maxOccurs="unbounded"/>
        <xs:element name="ScheduledActivity" type="ScheduledActivityType" nillable="true" maxOccurs="unbounded"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="TimeTableContainer" type="TimeTableContainerType"/>
```

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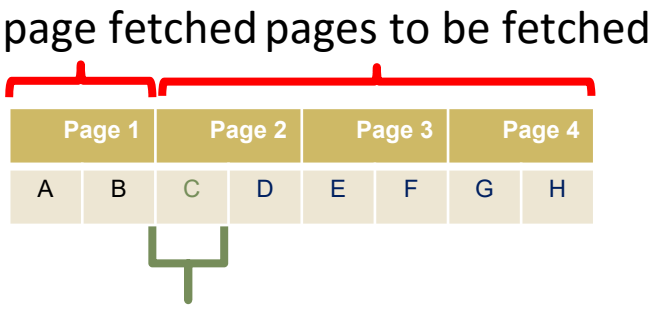
Page Queries

→INSWP Recommendations

→Currently being discussed at Global infrastructure group.

- reuse the notion of “XML with RefId only” even when “Changes Since” does not apply, e.g.



<StudentAttendanceTimeList RefId="…" />