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Introduction

This document is a compilation of daily research performed for the ACAN transcript project. Through this research we are trying to create a JSON transcript from Ed-fi ODS data.

Summary

Currently we're researching the basic syntax of composites and trying to get familiar with what we're trying to accomplish. So stay tuned for more.

Daily updates are being logged in reverse chronological order below

Updates

2021-10-19 Updates

Attended a meeting with Chris to discuss problems faced during the development of ACAN transcripts.

Summary:

1. Discussed about repeated nesting issues and tried different methods to solve it. We could not figure out other methods to solve it, so concluded that we might need further research in this topic.
2. Discussed whether school should be nested inside of a student. We agreed to move school inside of the student.
3. Discussed why localCourseCode property of courseoffering was appearing twice in json output. Found out that the same course was offered twice in Fall and Semester. We decided to show it only once(e.g Fall or Spring) when the student took the course.
4. Discussed why the SudentProgramAssociation resource was not working in a composite xml file. Found out that this resource was extended from the GeneralSudentProgramAssociation resource hence cannot be used in composite. Alternatively we tried using GeneralSudentProgramAssociation in the composite file but no data was returned even though the test database had the required data. Alternatively, we tried to get data from swaggerui part but GeneralSudentProgramAssociation was not listed in the API resource section. We concluded that it needs further research.

Link: [ACAN problem discussions](#)

2021-10-08 Updates

Explored latest Ed-Fi ODS API v3.5 from ed-fi tech docs. Looked for new changes from current version(3.4) to the latest version(3.5). Worked on creating multiple composite inside of a single xml file.

2021-10-07 Updates

Compared and checked the ODS mapping and Draft sheet. Explored sandbox and database in SQL Server Management Studio. Checked if studentProgramAssociation is in the database and found it. But I could not load it in a composite file. Ran previously created composite file in newly created sandbox with new data.

2021-10-06 Updates

Updated ODS mapping sheet to reflect the work done and things to review. Tried solving issues of studentProgramAssociation, ranking, graduationplantype, localcoursecode and so on.
Prepared demo for the client interview.

2021-10-05 Updates

Extracted studentAssessments. Worked on getting objectiveAssessments and ClassRanking but json output came out to be empty.

2021-10-04 Updates

Extracted studentAcademicRecord, transcript and school part for the ACAN transcript.

Challenges:

There was a confusion on fetching ClassRanking resources needed for studentAcademicRecord part.

Duplicate output problem occurred in localCourseCode part in courseOfferings.

Even though projectedGraduationDate was specified in the composite.xml file, the json output didn't show it.

graduationPlanType has a nesting problem.

2021-10-01 Updates

Used ODS mapping to extract following fields for ACAN transcript:

```
{
  "resourceId":"4255933ce3e2412c9d16a0c9853385e2",
    "studentUniqueId":"604823",
    "firstName":"Julie",
    "middleName":"Randi",
    "lastSurname":"Randolph",
    "birthDate":"1996-07-22T00:00:00",
    "identificationCodes":[
      {
        "identificationCodes":[
          {
            "identificationCode":"823",

"studentIdentificationSystemDescriptor":"uri://ed-fi.org/StudentIdentificationSystemDescriptor#Local"
          },

```

```
{
  "identificationCode":"4067595415",

"studentIdentificationSystemDescriptor":{"uri://ed-fi.org/StudentIdentificationSystemDescriptor#S
SN"
}
],
"demographics":[
{
"gender":{"uri://ed-fi.org/SexDescriptor#Female",
"hispanicLatinoEthnicity":true,
"races":[
{
"race":{"uri://ed-fi.org/RaceDescriptor#White"
}
]
}
],
"guardians":[
{
"relationToStudent":{"uri://ed-fi.org/RelationDescriptor#Mother",
"livesWith":true,
"firstName":"Selma",
"lastName":"Randolph",
"guardianPhones":[
{
"telephoneNumber":"(950) 068 2533",

"telephoneNumberTypeDescriptor":{"uri://ed-fi.org/TelephoneNumberTypeDescriptor#Fax"
}
},
{
"relationToStudent":{"uri://ed-fi.org/RelationDescriptor#Father",
"livesWith":true,
"firstName":"Rene",
"lastName":"Randolph",
"guardianPhones":[
{
"telephoneNumber":"(950) 715 2014",

"telephoneNumberTypeDescriptor":{"uri://ed-fi.org/TelephoneNumberTypeDescriptor#Mobile"
```

```
}
]
}
],
"studentAddresses":[
{
"studentAddresses":[
{
    "addressType":"uri://ed-fi.org/AddressTypeDescriptor#Home",
    "streetNumberName":"552 Rocky Old Road",
    "city":"Grand Bend",
    "state":"uri://ed-fi.org/StateAbbreviationDescriptor#TX",
    "postalCode":"78834",
    "nameOfCounty":"WILLISTON"
}
]
}
]
}
```