

 Access4Learning / JSON-TF

Added CollegeTranscript_v1_6_jaxb_moxy example and links to EdExchang...

[Browse files](#)

...e project.

 master **sallen-parchment** committed 4 days ago1 parent [cefd151](#) commit [3691435bc51a10369d302ef653e3b6d740d1091c](#) Showing **4 changed files** with 281 additions and 3 deletions.[Unified](#) [Split](#)255  Examples/CollegeTranscript_v1_6_jaxb_moxy.json

```
@@ -0,0 +1,255 @@
1  +{
2  +  "ColTrn.CollegeTranscript" : {
3  +    "TransmissionData" : {
4  +      "DocumentID" : "628",
5  +      "CreatedDateTime" : "2017-10-03T17:44:47.974Z",
6  +      "DocumentTypeCode" : "StudentRequest",
7  +      "TransmissionType" : "Original",
8  +      "Source" : {
9  +        "Organization" : {
10 +          "OPEID" : "00133400",
11 +          "NCHELPID" : "00133400",
12 +          "IPEDS" : "125028",
13 +          "ATP" : "493111",
14 +          "FICE" : "001334",
15 +          "ACT" : "0476",
16 +          "CEEBACT" : "493111",
17 +          "MutuallyDefined" : "32960",
18 +          "OrganizationName" : [ "Ventura College" ],
19 +          "Contacts" : [ {
20 +            } ]
21 +        }
22 +      },
23 +      "Destination" : {
24 +        "Organization" : {
25 +          "DUNS" : "013900836",
26 +          "OrganizationName" : [ "Parchment Inc." ],
27 +          "Contacts" : [ {
28 +            "Address" : [ {
29 +              "AddressLine" : [ "7001 N Scottsdale Rd", "Ste. 1050" ],
30 +              "City" : "Scottsdale",
31 +              "StateProvinceCode" : "AZ",
32 +              "PostalCode" : "85250"
33 +            } ]
34 +          } ]
35 +        }
36 +      },
37 +      "RequestTrackingID" : "366"
38 +    },
39 +    "Student" : {
40 +      "Person" : {
41 +        "SchoolAssignedPersonID" : "0",
42 +        "SSN" : "000000000",
43 +        "PartialSSN" : "0000",
44 +        "Birth" : {
45 +          "BirthDate" : "1995-01-01Z"
46 +        },
47 +        "Name" : {
```

```

+      "FirstName" : "John",
+      "LastName" : "Doe"
+    },
+    "HighSchool" : {
+      "OrganizationName" : "McClatchy High School",
+      "CEEBACT" : "052705"
+    },
+    "Contacts" : [ {
+      "Address" : [ {
+        "AddressLine" : [ "2406 Capitol Ave. #4" ],
+        "City" : "Sacramento",
+        "StateProvinceCode" : "CA",
+        "PostalCode" : "95816"
+      } ],
+      "Phone" : [ {
+        "PhoneNumber" : "0000000000"
+      } ],
+      "Email" : [ {
+        "EmailAddress" : "john.doe@edexchange.edu"
+      } ]
+    } ]
+  },
+  "AcademicRecord" : [ {
+    "School" : {
+      "OrganizationName" : "Sacramento City College",
+      "FICE" : "001233"
+    },
+    "StudentLevel" : {
+      "StudentLevelCode" : "CollegeSophomore"
+    },
+    "AcademicSession" : [ {
+      "AcademicSessionDetail" : {
+        "SessionDesignator" : "2015-09",
+        "SessionName" : "Fall Semester 2015",
+        "SessionBeginDate" : "2015-09-01Z",
+        "SessionEndDate" : "2015-12-01Z"
+      },
+      "StudentLevel" : {
+        "StudentLevelCode" : "CollegeSophomore"
+      },
+      "AcademicProgram" : [ {
+        "ProgramCIPCode" : "11.0101",
+        "AcademicProgramType" : "Major",
+        "AcademicProgramName" : "Computer and Information Sciences, General"
+      } ],
+      "Course" : [ {
+        "CourseCreditBasis" : "Regular",
+        "CourseCreditUnits" : "Semester",
+        "CourseCreditLevel" : "LowerDivision",
+        "CourseCreditValue" : 4.0,
+        "CourseCreditEarned" : 4.0,
+        "CourseAcademicGradeScaleCode" : "25",
100 +        "CourseAcademicGrade" : "A",
101 +        "CourseCIPCode" : "11.0101",
102 +        "CourseQualityPointsEarned" : 16.0,
103 +        "CourseLevel" : "LowerDivision",
104 +        "CourseGPAApPLICABILITYCode" : "Applicable",
105 +        "CourseSubjectAbbreviation" : "CISC",
106 +        "CourseNumber" : "360",
107 +        "CourseTitle" : "Information Technology 360"
108 +      } ], {
109 +        "CourseCreditBasis" : "Regular",
110 +        "CourseCreditUnits" : "Semester",
111 +        "CourseCreditLevel" : "LowerDivision",

```

```

112 +         "CourseCreditValue" : 4.0,
113 +         "CourseCreditEarned" : 4.0,
114 +         "CourseAcademicGradeScaleCode" : "25",
115 +         "CourseAcademicGrade" : "A",
116 +         "CourseCIPCode" : "11.0201",
117 +         "CourseQualityPointsEarned" : 16.0,
118 +         "CourseLevel" : "LowerDivision",
119 +         "CourseGPAApPLICabilityCode" : "Applicable",
120 +         "CourseSubjectAbbreviation" : "CISP",
121 +         "CourseNumber" : "301",
122 +         "CourseTitle" : "Algorithm Design and 4 Units Implementation"
123 +     }, {
124 +         "CourseCreditBasis" : "Regular",
125 +         "CourseCreditUnits" : "Semester",
126 +         "CourseCreditLevel" : "LowerDivision",
127 +         "CourseCreditValue" : 5.0,
128 +         "CourseCreditEarned" : 5.0,
129 +         "CourseAcademicGradeScaleCode" : "25",
130 +         "CourseAcademicGrade" : "B",
131 +         "CourseCIPCode" : "27.0102",
132 +         "CourseQualityPointsEarned" : 15.0,
133 +         "CourseLevel" : "LowerDivision",
134 +         "CourseGPAApPLICabilityCode" : "Applicable",
135 +         "CourseSubjectAbbreviation" : "MATH",
136 +         "CourseNumber" : "120",
137 +         "CourseTitle" : "Intermediate Algebra"
138 +     } ],
139 +     "AcademicSummary" : [ {
140 +         "AcademicSummaryType" : "SenderOnly",
141 +         "AcademicSummaryLevel" : "LowerDivision",
142 +         "GPA" : {
143 +             "CreditHoursAttempted" : 13.0,
144 +             "CreditHoursEarned" : 13.0,
145 +             "CreditUnit" : "Semester",
146 +             "GradePointAverage" : 4.00,
147 +             "TotalQualityPoints" : 52.0,
148 +             "CreditHoursforGPA" : 47.0,
149 +             "GPARangeMinimum" : 0.0,
150 +             "GPARangeMaximum" : 4.0
151 +         },
152 +         "AcademicHonors" : [ {
153 +             "HonorsTitle" : "Dean's List",
154 +             "HonorsLevel" : "SecondHighest"
155 +         } ]
156 +     } ]
157 + }, {
158 +     "AcademicSessionDetail" : {
159 +         "SessionDesignator" : "2016-01",
160 +         "SessionName" : "Spring Semester 2016",
161 +         "SessionBeginDate" : "2016-01-15Z",
162 +         "SessionEndDate" : "2016-06-15Z"
163 +     },
164 +     "StudentLevel" : {
165 +         "StudentLevelCode" : "CollegeSophomore"
166 +     },
167 +     "AcademicProgram" : [ {
168 +         "ProgramCIPCode" : "11.0101",
169 +         "AcademicProgramType" : "Major",
170 +         "AcademicProgramName" : "Computer and Information Sciences, General"
171 +     } ],
172 +     "Course" : [ {
173 +         "CourseCreditBasis" : "Regular",
174 +         "CourseCreditUnits" : "Semester",
175 +         "CourseCreditLevel" : "LowerDivision",

```

```

176 +     "CourseCreditValue" : 5.0,
177 +     "CourseCreditEarned" : 5.0,
178 +     "CourseAcademicGradeScaleCode" : "25",
179 +     "CourseAcademicGrade" : "A",
180 +     "CourseCIPCode" : "27.0102",
181 +     "CourseQualityPointsEarned" : 20.0,
182 +     "CourseLevel" : "LowerDivision",
183 +     "CourseGPAApplicabilityCode" : "Applicable",
184 +     "CourseSubjectAbbreviation" : "MATH",
185 +     "CourseNumber" : "100",
186 +     "CourseTitle" : "Elementary Algebra"
187 + }, {
188 +     "CourseCreditBasis" : "Regular",
189 +     "CourseCreditUnits" : "Semester",
190 +     "CourseCreditLevel" : "LowerDivision",
191 +     "CourseCreditValue" : 3.0,
192 +     "CourseCreditEarned" : 3.0,
193 +     "CourseAcademicGradeScaleCode" : "25",
194 +     "CourseAcademicGrade" : "A",
195 +     "CourseCIPCode" : "11.0801",
196 +     "CourseQualityPointsEarned" : 12.0,
197 +     "CourseLevel" : "LowerDivision",
198 +     "CourseGPAApplicabilityCode" : "Applicable",
199 +     "CourseSubjectAbbreviation" : "CISW",
200 +     "CourseNumber" : "304",
201 +     "CourseTitle" : "Cascading Style Sheets"
202 + }, {
203 +     "CourseCreditBasis" : "Regular",
204 +     "CourseCreditUnits" : "Semester",
205 +     "CourseCreditLevel" : "LowerDivision",
206 +     "CourseCreditValue" : 3.0,
207 +     "CourseCreditEarned" : 3.0,
208 +     "CourseAcademicGradeScaleCode" : "25",
209 +     "CourseAcademicGrade" : "A",
210 +     "CourseCIPCode" : "11.0801",
211 +     "CourseQualityPointsEarned" : 12.0,
212 +     "CourseLevel" : "LowerDivision",
213 +     "CourseGPAApplicabilityCode" : "Applicable",
214 +     "CourseSubjectAbbreviation" : "CISW",
215 +     "CourseNumber" : "320",
216 +     "CourseTitle" : "Introduction to Web Site"
217 + }, {
218 +     "CourseCreditBasis" : "Regular",
219 +     "CourseCreditUnits" : "Semester",
220 +     "CourseCreditLevel" : "LowerDivision",
221 +     "CourseCreditValue" : 4.0,
222 +     "CourseCreditEarned" : 4.0,
223 +     "CourseAcademicGradeScaleCode" : "25",
224 +     "CourseAcademicGrade" : "A",
225 +     "CourseCIPCode" : "11.0801",
226 +     "CourseQualityPointsEarned" : 16.0,
227 +     "CourseLevel" : "LowerDivision",
228 +     "CourseGPAApplicabilityCode" : "Applicable",
229 +     "CourseSubjectAbbreviation" : "CISW",
230 +     "CourseNumber" : "400",
231 +     "CourseTitle" : "Client-side Web Scripting"
232 + } ],
233 + "AcademicSummary" : [ {
234 +     "AcademicSummaryType" : "SenderOnly",
235 +     "AcademicSummaryLevel" : "LowerDivision",
236 +     "GPA" : {
237 +         "CreditHoursAttempted" : 15.0,
238 +         "CreditHoursEarned" : 15.0,
239 +         "CreditUnit" : "Semester",

```

```

240 +         "GradePointAverage" : 4.00,
241 +         "TotalQualityPoints" : 60.0,
242 +         "CreditHoursForGPA" : 60.0,
243 +         "GPARangeMinimum" : 0.0,
244 +         "GPARangeMaximum" : 4.0
245 +     },
246 +     "AcademicHonors" : [ {
247 +         "HonorsTitle" : "Dean's List",
248 +         "HonorsLevel" : "FirstHighest"
249 +     } ]
250 + } ]
251 + } ]
252 + } ]
253 + }
254 + }
255 +}

```

15 README.md

1 passing (9ms)

```

-...
+...
+
+## Existing Projects That Deal With XSD's, XML and JSON
+## EdExchange
+* [Github](https://github.com/jhwhetstone/cdsWebserver)
+ * [pesc-sdk: Module responsible for generating JAXB classes from XSD]
+   (https://github.com/jhwhetstone/cdsWebserver/tree/master/pesc-sdk)
+ * Important Git Commits
+ * [Update Network Server to use PESC centric workflow]
+   (https://github.com/jhwhetstone/cdsWebserver/commit/25c80625e2af8d2d89986f27ada47e02e12090a8)
+ * [Added logic to support marshalling and unmarshalling PESC documents using a JAXB library (Moxy) that support both JSON
+   and XML.](https://github.com/jhwhetstone/cdsWebserver/commit/0c46570b895de995a3b9b7bb2ed5112327f3ec40)
+
+
+## References
+## JAXB and MOxy
+* [Developing JAXB Applications Using EclipseLink MOxy](http://www.eclipse.org/eclipselink/documentation/2.6/moxy/toc.htm)

```

10 test/CollegeTranscript_v1_6_jaxb_moxyTest.js

```

... @@ -0,0 +1,10 @@
1 +var assert = require('chai').assert;
2 +var CollegeTranscript_v1_6_jaxb_moxy = require("../Examples/CollegeTranscript_v1_6_jaxb_moxy.json");
3 +
4 +describe('CollegeTranscript_v1_6_jaxb_moxy.json', function() {
5 +    describe('#Student First Name', function() {
6 +        it('should find "John" as Student First Name using CollegeTranscript_v1_6_jaxb_moxy["ColTrn.CollegeTranscript"].Student.Per
7 +        assert.equal(CollegeTranscript_v1_6_jaxb_moxy["ColTrn.CollegeTranscript"].Student.Person.Name.FirstName, 'John');
8 +    });
9 +});
+});

```

4 test/xStudentsNicholsonTest.js

```

3 3
4 4 describe('xStudentsNicholson.json', function() {
5 5     describe('#familyName', function() {
6 -         it('should find "Lovell" as familyName using xStudentsNicholson.xStudents.xStudent.name.familyName_', function() {
7 -             assert.equal(xStudentsNicholson.xStudents.xStudent.name.familyName_, 'Lovell');
6 +         it('should find "Lovell" as familyName using xStudentsNicholson.xStudents.xStudent[0].name.familyName_', function() {

```

	7	+	assert.equal(xStudentsNicholson.xStudents.xStudent[0].name.familyName._, 'Lovell');
8	8		});
9	9		});
			});

0 comments on commit 3691435

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