

**Assignment 2:
Metadata Creation**

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LIS 5916 Metadata

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Relational Table from Assignment 1

Resource URI	Resource Type	abstract	accessory
http://mooney.org/article	Article	The problems arising out of translation between musical languages is solved by a general-purpose musical language translator and music-notation editor called Ammp.	
http://mooney.org/artifact	Artifact		Guitar case; receipt
http://mooney.org/webpage	Webpage		

Resource URI	Resource Type	creator	Date
http://mooney.org/article	Article	Stefik, A.; Stefik, M.; Curtiss, M.	2007
http://mooney.org/artifact	Artifact		2003
http://mooney.org/webpage	Webpage	Bergin, James	2008-10-08

Resource URI	Resource Type	description
http://mooney.org/article	Article	
http://mooney.org/artifact	Artifact	An acoustic-electric six-string dreadnaught-shaped guitar manufactured of birch wood, rosewood, and mother-of-pearl. Fretboard and sound hole adorned with a Celtic knot design. Blue-silver metallic paint on body and head.
http://mooney.org/webpage	Webpage	As interest in microtonal music continues to blossom around the world, there is an urgent need for a permanent ensemble devoted entirely to the performance ...

Resource URI	Resource Type	format	keyword
http://mooney.org/article	Article	PDF full text	
http://mooney.org/artifact	Artifact		
http://mooney.org/webpage	Webpage		Microtonal; music; performance

Resource URI	Resource Type	identifier	issue	location
http://mooney.org/article	Article		4	
http://mooney.org/artifact	Artifact	Acquisition record G289; serial number 03065765		Row 4, shelf 5, Compartment 22
http://mooney.org/webpage	Webpage	http://bostonmicrotonalsociety.org/index.php?blog=2		

Resource URI	Resource Type	manufacturer	publication
http://mooney.org/article	Article		Computer Music Journal
http://mooney.org/artifact	Artifact	Fender	
http://mooney.org/webpage	Webpage		

Resource URI	Resource Type	subject	title	volume
http://mooney.org/article	Article	Music; microtonal; semantic translation; editor; computer program	<i>An Automatic Translator for Semantically Encoded Musical Languages</i>	31
http://mooney.org/artifact	Artifact	Musical Instrument: Guitar	Celtic SMS	
http://mooney.org/webpage	Webpage	Music; microtonal	What's New?	

Crosswalk

Relational Table Schema	MODS Schema
abstract	abstract
accessory	physicalDescription: note
creator	name: namePart
date	originInfo: dateIssued
description	physicalDescription: note
format	physicalDescription: internetMediaType
keyword	subject: topic
identifier	identifier
issue	identifier
location	location: physicalLocation
manufacturer	originInfo: publisher
publication	originInfo: publisher
subject	subject: topic
title	titleInfo: title
volume	identifier

XML Record

Record 1

```
<?xml version="1.0" encoding="utf-8"?>
<mods xmlns:xlink="http://www.w3.org/1999/xlink"
      version="3.3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns="http://www.loc.gov/mods/v3"
      xsi:schemaLocation="http://www.loc.gov/mods/v3
http://www.loc.gov/standards/mods/v3/mods-3-3.xsd">

  <abstract>
    The problems arising out of translation between musical languages
    is solved by a general-purpose musical language translator and music-notation
    editor called Ammmmp.
  </abstract>

  <name>
    <namePart>Stefik, A.</namePart>
    <role>
      <roleTerm>author</roleTerm>
    </role>
  </name>
  <name>
    <namePart>Stefik, M.</namePart>
    <role>
      <roleTerm>author</roleTerm>
    </role>
  </name>
  <name>
    <namePart>Curtiss, M.</namePart>
    <role>
      <roleTerm>author</roleTerm>
    </role>
  </name>

  <originInfo>
    <dateIssued>2007</dateIssued>
    <publisher>Computer Music Journal</publisher>
  </originInfo>

  <physicalDescription>
    <internetMediaType>PDF full text</internetMediaType>
  </physicalDescription>

  <identifier>31</identifier>
```

```
<identifier>4</identifier>

<subject>
  <topic>Music</topic>
  <topic>microtonal</topic>
  <topic>semantic translation</topic>
  <topic>editor</topic>
  <topic>computer program</topic>
</subject>

<titleInfo>
  <title>An Automatic Translator for Semantically Encoded Musical
Languages</title>
</titleInfo>
</mods>
```

Record 2

```
<?xml version="1.0" encoding="utf-8"?>
<mods xmlns:xlink="http://www.w3.org/1999/xlink"
      version="3.3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns="http://www.loc.gov/mods/v3"
      xsi:schemaLocation="http://www.loc.gov/mods/v3
http://www.loc.gov/standards/mods/v3/mods-3-3.xsd">

  <originInfo>
    <dateIssued>2003</dateIssued>
  </originInfo>

  <physicalDescription>
    <note>An acoustic-electric six-string dreadnaught-shaped guitar
manufactured of birch wood, rosewood, and mother-of-pearl. Fretboard and
sound hole adorned with a Celtic knot design. Blue-silver metallic paint on body
and head.</note>
    <note>guitar case</note>
    <note>receipt</note>
  </physicalDescription>

  <identifier>Acquisition record G289</identifier>
  <identifier>serial number 03065765</identifier>

  <location>
    <physicalLocation>Row 4, shelf 5, Compartment
22</physicalLocation>
  </location>

  <originInfo>
    <publisher>Fender</publisher>
  </originInfo>

  <subject>
    <topic>Musical Instrument</topic>
    <topic>Guitar</topic>
  </subject>

  <titleInfo>
    <title>Celtic SMS</title>
  </titleInfo>
</mods>
```

Record 3

```
<?xml version="1.0" encoding="utf-8"?>
<mods xmlns:xlink="http://www.w3.org/1999/xlink"
      version="3.3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns="http://www.loc.gov/mods/v3"
      xsi:schemaLocation="http://www.loc.gov/mods/v3
http://www.loc.gov/standards/mods/v3/mods-3-3.xsd">

  <name>
    <namePart>Bergin, James</namePart>
  </name>

  <originInfo>
    <dateIssued>2008-10-08</dateIssued>
  </originInfo>

  <physicalDescription>
    <note>As interest in microtonal music continues to blossom around
the world, there is an urgent need for a permanent ensemble devoted entirely to
the performance...</note>
  </physicalDescription>

  <identifier>http://bostonmicrotonalsociety.org/index.php?blog=2
</identifier>

  <subject>
    <topic>Music</topic>
    <topic>Microtonal</topic>
    <topic>Performance</topic>
    <topic>Microtonal</topic>
    <topic>Music</topic>
  </subject>

  <titleInfo>
    <title>What's New?</title>
  </titleInfo>
</mods>
```

Crosswalk

Relational Table Schema	CDWA Lite Schema
abstract	
accessory	descriptiveNoteWrap: descriptiveNoteSet: descriptiveNote
creator	displayCreator indexingCreatorWrap: indexingCreatorSet: nameCreatorSet: name creator
date	displayCreationDate indexingDatesWrap: indexingDatesSet: earliestDate indexingDatesWrap: indexingDatesSet: latestDate
description	displayMaterialsTech
format	descriptiveNoteWrap: descriptiveNoteSet: descriptiveNote
keyword	indexingSubjectWrap: indexingSubjectSet: subjectTerm
identifier	locationWrap: workID
issue	
location	locationWrap: locationSet: locationName
manufacturer	displayCreator indexingCreatorWrap: indexingCreatorSet: nameCreatorSet: name creator
publication	relatedWorkWrap: relatedWorkSet: labelRelatedWork
subject	indexingSubjectWrap: indexingSubjectSet: subjectTerm
title	objectWorkTypeWrap: objectWorkType titleWrap: titleSet: title administrativeMetadata: recordWrap: recordID
volume	

XML Records

Record 1

```
<?xml version="1.0" encoding="UTF-8"?>
<cdwalite xmlns="http://www.getty.edu/CDWA/CDWALite"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.getty.edu/CDWA/CDWALite
http://www.getty.edu/CDWA/CDWALite/CDWALite-xsd-public-v1-1.xsd">

  <descriptiveMetadata>
    <objectWorkTypeWrap>
      <objectWorkType>An Automatic Translator for Semantically Encoded
Musical Languages</objectWorkType>
    </objectWorkTypeWrap>

    <titleWrap>
      <titleSet>
        <title>An Automatic Translator for Semantically Encoded Musical
Languages</title>
      </titleSet>
    </titleWrap>

    <displayCreator>Stefik, A.; Stefik, M.; Curtiss, M.</displayCreator>

    <indexingCreatorWrap>
      <indexingCreatorSet>
        <nameCreatorSet>
          <nameCreator>Stefik, A.; Stefik, M.; Curtiss, M.</nameCreator>
        </nameCreatorSet>
        <roleCreator></roleCreator>
      </indexingCreatorSet>
    </indexingCreatorWrap>

    <displayMaterialsTech></displayMaterialsTech>

    <displayCreationDate>2007</displayCreationDate>

    <indexingDatesWrap>
      <indexingDatesSet>
        <earliestDate>2007</earliestDate>
        <latestDate>2007</latestDate>
      </indexingDatesSet>
    </indexingDatesWrap>

    <locationWrap>
```

```

    <locationSet>
      <locationName></locationName>
    </locationSet>
  </locationWrap>

  <indexingSubjectWrap>
    <indexingSubjectSet>
      <subjectTerm>Music</subjectTerm>
      <subjectTerm>microtonal</subjectTerm>
      <subjectTerm>semantic translation</subjectTerm>
      <subjectTerm>editor</subjectTerm>
      <subjectTerm>computer program</subjectTerm>
    </indexingSubjectSet>
  </indexingSubjectWrap>

  <descriptiveNoteWrap>
    <descriptiveNoteSet>
      <descriptiveNote>PDF full text</descriptiveNote>
    </descriptiveNoteSet>
  </descriptiveNoteWrap>

  <relatedWorksWrap>
    <relatedWorkSet>
      <labelRelatedWork>Computer Music Journal</labelRelatedWork>
    </relatedWorkSet>
  </relatedWorksWrap>

</descriptiveMetadata>

<administrativeMetadata>
  <recordWrap>
    <recordID>An Automatic Translator for Semantically Encoded Musical
Languages</recordID>
    <recordType></recordType>
  </recordWrap>
</administrativeMetadata>
</cdwalite>

```

Record 2

```
<?xml version="1.0" encoding="UTF-8"?>
<cdwalite xmlns="http://www.getty.edu/CDWA/CDWALite"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.getty.edu/CDWA/CDWALite
http://www.getty.edu/CDWA/CDWALite/CDWALite-xsd-public-v1-1.xsd">

  <descriptiveMetadata>
    <objectWorkTypeWrap>
      <objectWorkType>Celtic SMS</objectWorkType>
    </objectWorkTypeWrap>

    <titleWrap>
      <titleSet>
        <title>Celtic SMS</title>
      </titleSet>
    </titleWrap>

    <displayCreator>Fender</displayCreator>

    <indexingCreatorWrap>
      <indexingCreatorSet>
        <nameCreatorSet>
          <nameCreator>Fender</nameCreator>
        </nameCreatorSet>
        <roleCreator>manufacturer</roleCreator>
      </indexingCreatorSet>
    </indexingCreatorWrap>

    <displayMaterialsTech>An acoustic-electric six-string dreadnaught-shaped
guitar manufactured of birch wood, rosewood, and mother-of-pearl. Fretboard
and sound hole adorned with a Celtic knot design. Blue-silver metallic paint on
body and head.</displayMaterialsTech>

    <displayCreationDate>2003</displayCreationDate>

    <indexingDatesWrap>
      <indexingDatesSet>
        <earliestDate>2003</earliestDate>
        <latestDate>2003</latestDate>
      </indexingDatesSet>
    </indexingDatesWrap>

    <locationWrap>
      <locationSet>
```

```
<locationName>Row 4, shelf 5, Compartment 22</locationName>
  <workID>serial number 03065765</workID>
  <workID>Acquisition record G289</workID>
</locationSet>
</locationWrap>

<indexingSubjectWrap>
  <indexingSubjectSet>
    <subjectTerm>Musical Instrument</subjectTerm>
    <subjectTerm>Guitar</subjectTerm>
  </indexingSubjectSet>
</indexingSubjectWrap>

<descriptiveNoteWrap>
  <descriptiveNoteSet>
    <descriptiveNote>Guitar Case; receipt</descriptiveNote>
  </descriptiveNoteSet>
</descriptiveNoteWrap>
</descriptiveMetadata>

<administrativeMetadata>
  <recordWrap>
    <recordID>Celtic SMS</recordID>
    <recordType></recordType>
  </recordWrap>

</administrativeMetadata>
</cdwalite>
```

Record 3

```
<?xml version="1.0" encoding="UTF-8"?>
<cdwalite xmlns="http://www.getty.edu/CDWA/CDWALite"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.getty.edu/CDWA/CDWALite
http://www.getty.edu/CDWA/CDWALite/CDWALite-xsd-public-v1-1.xsd">

  <descriptiveMetadata>
    <objectWorkTypeWrap>
      <objectWorkType>What's New?</objectWorkType>
    </objectWorkTypeWrap>

    <titleWrap>
      <titleSet>
        <title>What's New?</title>
      </titleSet>
    </titleWrap>

    <displayCreator>Bergin, James</displayCreator>

    <indexingCreatorWrap>
      <indexingCreatorSet>
        <nameCreatorSet>
          <nameCreator>Bergin, James</nameCreator>
        </nameCreatorSet>
        <roleCreator></roleCreator>
      </indexingCreatorSet>
    </indexingCreatorWrap>

    <displayMaterialsTech>As interest in microtonal music continues to
blossom around the world, there is an urgent need for a permanent ensemble
devoted entirely to the performance...</displayMaterialsTech>

    <displayCreationDate>2008-10-08</displayCreationDate>

    <indexingDatesWrap>
      <indexingDatesSet>
        <earliestDate>2008-10-08</earliestDate>
        <latestDate>2008-10-08</latestDate>
      </indexingDatesSet>
    </indexingDatesWrap>

    <locationWrap>
      <locationSet>

<locationName>http://bostonmicrotonalsociety.org/index.php?blog=2</locationN
```

```
ame>
  </locationSet>
</locationWrap>

  <indexingSubjectWrap>
    <indexingSubjectSet>
      <subjectTerm>Music</subjectTerm>
      <subjectTerm>microtonal</subjectTerm>
      <subjectTerm>performance</subjectTerm>
      <subjectTerm>Music</subjectTerm>
      <subjectTerm>microtonal</subjectTerm>
    </indexingSubjectSet>
  </indexingSubjectWrap>

</descriptiveMetadata>

<administrativeMetadata>
  <recordWrap>
    <recordID>What's New?</recordID>
    <recordType></recordType>
  </recordWrap>

</administrativeMetadata>
</cdwalite>
```

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Crosswalk

Relational Table Schema	Qualified Dublin Core Schema
abstract	dcterms:abstract
accessory	dc:hasPart
creator	dc:creator
date	dc:date
description	dc:description
format	dc:format
keyword	dc:subject
identifier	dc:identifier
issue	dcterms:bibliographicCitation
location	dcterms:spatial
manufacturer	dc:creator
publication	dc:publisher
subject	dc:subject
title	dc:title
volume	dcterms:bibliographicCitation

XML Records

Record 1

```
<ci_dc:dc xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns:ci_dc="http://mailer.fsu.edu/~bstvilia/schemas/"
  xmlns:dcterms="http://purl.org/dc/terms/"
  xmlns:dctype="http://purl.org/dc/dcmitype/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="
    http://purl.org/dc/elements/1.1/ http://dublincore.org/schemas/xmls/qdc/dc.xsd
    http://mailer.fsu.edu/~bstvilia/schemas/
    http://mailer.fsu.edu/~bstvilia/schemas/ci_dc.xsd
    http://purl.org/dc/terms/ http://dublincore.org/schemas/xmls/qdc/dcterms.xsd
    http://purl.org/dc/dcmitype/
    http://dublincore.org/schemas/xmls/qdc/dcmitype.xsd">
```

```
  <dcterms:abstract>The problems arising out of translation between musical
  languages is solved by a general-purpose musical language translator and
  music-notation editor called Ammmp.</dcterms:abstract>
```

```
  <dc:creator>Stefik, A.</dc:creator>
  <dc:creator>Stefik, M.</dc:creator>
  <dc:creator>Curtiss, M.</dc:creator>
```

```
  <dc:date>2007</dc:date>
```

```
  <dc:format>PDF full text</dc:format>
```

```
  <dcterms:bibliographicCitation>4</dcterms:bibliographicCitation>
  <dcterms:bibliographicCitation>31</dcterms:bibliographicCitation>
```

```
  <dc:publisher>Computer Music Journal</dc:publisher>
```

```
  <dc:subject>Music</dc:subject>
  <dc:subject>microtonal</dc:subject>
  <dc:subject>semantic translation</dc:subject>
  <dc:subject>editor</dc:subject>
  <dc:subject>computer program</dc:subject>
```

```
  <dc:title>An Automatic Translator for Semantically Encoded Musical
  Languages</dc:title>
</ci_dc:dc>
```

Record 2

```
<ci_dc:dc xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns:ci_dc="http://mailer.fsu.edu/~bstvilia/schemas/"
  xmlns:dcterms="http://purl.org/dc/terms/"
  xmlns:dctype="http://purl.org/dc/dcmitype/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="
    http://purl.org/dc/elements/1.1/ http://dublincore.org/schemas/xmls/qdc/dc.xsd
    http://mailer.fsu.edu/~bstvilia/schemas/
    http://mailer.fsu.edu/~bstvilia/schemas/ci_dc.xsd
    http://purl.org/dc/terms/ http://dublincore.org/schemas/xmls/qdc/dcterms.xsd
    http://purl.org/dc/dcmitype/
    http://dublincore.org/schemas/xmls/qdc/dcmitype.xsd">

  <dcterms:hasPart>Guitar case</dcterms:hasPart>
  <dcterms:hasPart>receipt</dcterms:hasPart>

  <dc:date>2003</dc:date>

  <dc:description>An acoustic-electric six-string dreadnaught-shaped guitar
  manufactured of birch wood, rosewood, and mother-of-pearl. Fretboard and
  sound hole adorned with a Celtic knot design. Blue-silver metallic paint on body
  and head.</dc:description>

  <dc:identifier>Acquisition record G289</dc:identifier>
  <dc:identifier>serial number 03065765</dc:identifier>

  <dcterms:spatial>Row 4, shelf 5, Compartment 22</dcterms:spatial>

  <dc:creator>Fender</dc:creator>

  <dc:subject>Musical Instrument</dc:subject>
  <dc:subject>Guitar</dc:subject>

  <dc:title>Celtic SMS</dc:title>
</ci_dc:dc>
```

Record 3

```
<ci_dc:dc xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns:ci_dc="http://mailer.fsu.edu/~bstvilia/schemas/"
  xmlns:dcterms="http://purl.org/dc/terms/"
  xmlns:dctype="http://purl.org/dc/dcmitype/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="
    http://purl.org/dc/elements/1.1/ http://dublincore.org/schemas/xmls/qdc/dc.xsd
    http://mailer.fsu.edu/~bstvilia/schemas/
    http://mailer.fsu.edu/~bstvilia/schemas/ci_dc.xsd
    http://purl.org/dc/terms http://dublincore.org/schemas/xmls/qdc/dcterms.xsd
    http://purl.org/dc/dcmitype/
    http://dublincore.org/schemas/xmls/qdc/dcmitype.xsd">

  <dc:creator>Bergin, James</dc:creator>

  <dc:date>2008-10-08</dc:date>

  <dc:description>As interest in microtonal music continues to blossom around
the world, there is an urgent need for a permanent ensemble devoted entirely to
the performance...</dc:description>

  <dc:subject>Microtonal</dc:subject>
  <dc:subject>music</dc:subject>
  <dc:subject>performance</dc:subject>
  <dc:subject>microtonal</dc:subject>
  <dc:subject>Music</dc:subject>

  <dc:identifier>http://bostonmicrotonalsociety.org/index.php?blog=2</dc:identifier>

  <dc:title>What's New?</dc:title>
</ci_dc:dc>
```

Discussion

Metadata Object Description Standard [MODS], Categories for the Description of Works of Art Lite [CDWA Lite], and Dublin Core [DC] are three very distinct metadata schemas. MODS, developed by the Library of Congress Network, is designed to transfer information from MARC 21 records. CDWA, part of the Getty Research Institute, is designed to describe a format for art objects. DC formed under the Dublin Core Metadata Initiative, and their goal is for widespread use of this versatile schema. Each of these schemas possesses strengths and weaknesses.

CDWA Lite proved the most difficult to work with for the article, object and webpage records. The schema contains two data wrappers for many fields. This is to assist in keeping data in one place in a full CDWA element set. Requiring both administrative and descriptive metadata, it was difficult to find an administrative value to use from the original Relational Table Schema [RTS]. The RTS term *title* was the only one to have a value for all three items, and although not traditionally an administrative value, I chose to use it to distinguish the three XML records.

CDWA Lite does not translate well for a print materials or websites. In the case of the RTS abstract, issue, and volume, a CDWA equivalent value that would validate was not found. According to Getty's *CDWA Lite: Specification for an XML Schema for Contributing Records via the OAI Harvesting Protocol*, there is a non-required element titled `displayStateEditionWrap` with the sub-elements `displayState` and `displayEdition` that would have been an acceptable match for the RTS terms `volume` and `issue` (14). However, this would not validate in oXygen. CDWA Lite did not have a term to associate with the RTS term `abstract`.

Overall, CDWA Lite is a very difficult schema in which to work. I found it best suited for the artifact, but even that had some crosswalk difficulties. For example, RTS term `manufacturer` translated best to CDWA Lite `displayCreator`. The description for the guitar best translated to CDWA `displayMaterialsTech` due to the narrative about the materials and design inherent in the object. Also, the required elements need to be included in the XML record even without a value. This clutters the record, and can make it difficult to see potential problems within the record. Although CDWA schema did not fit my records nicely, I can see how it would provide a very structured framework for paintings, photographs, and other two-dimensional artwork.

The MODS schema was considerably easier in which to work. In order to make the RTS terms match with the MODS elements, it required a considerable amount of overlap. For example, RTS elements `identifier`, `issue`, and `volume` became MODS `identifier`. The repeating of elements is an acceptable practice in MODS. Other RTS elements crosswalked into the same MODS main elements,

but were easily distinguished by sub-elements. This schema worked best for the article due to the structure and element definitions. Since MODS was designed to work with descriptive metadata for printed materials, many of the elements from the RTS schema were easily paired with a MODS element. The main problem occurred in establishing an equivalent for the RTS publication. I placed it with the MODS `originInfo: publisher` even though the journal's name is not the publisher. I felt that it was critical to make this information available in the record, since users will use this metadata to find the article.

DC schema is the most flexible of the three schemas used. By using the qualified version (`dcterms` beyond the initial fifteen elements), the creation of the crosswalk came easily. Many elements in the RTS and DC schemas were expressed with the same names. Once again, the RTS element `manufacturer` posed a challenge on what DC element to map it to. Also, `issue` and `volume` also pose a question as to their mapping. They could be a DC identifier, however, they are also part of the `bibliographicCitation`. Since these two terms were used to direct a user "unambiguously" to the item (Dublin Core Metadata Initiative, 2008), I chose to use the `bibliographicCitation`.

It is difficult to choose which one of the three objects the DC schema best fits. The webpage translated very well from RTS into DC, but it had some duplication from RTS `keyword` and `subject` to the DC `subject`. The artifact also translated easily from one to the other without duplication. If forced to choose between the two, I would say that DC worked the best for the webpage metadata.

Throughout this exercise, the differences in the three schemas became very evident. There are a number of elements I would name differently or data that was originally combined under one element. For example, in translating the webpage RTS `keywords` and `subjects` into DC, MODS, and CDWA Lite, I ended up with duplicate values in the record. Also, I would split up the artifacts RTS `identifier` values of `acquisition record` and `serial number` into separate elements since the `acquisition record` could be used as administrative metadata, whereas the `serial number` leans towards the descriptive end of the metadata spectrum. MODS and DC XML records were extremely lean and easy to read; CDWA Lite XML provides a double container to protect the data but is harder to inspect.

Originally, I wanted to keep the original RTS simple, but some complexity is needed to properly adapt and convert into new metadata schemas. No schema is perfect for all objects, and all have strengths when applied to the correct object type. This is evident in the fact that the MODS schema met the needs of the article metadata best, CDWA Lite best fit the artifact, and that DC fit all three and found its strength in the webpage. Many elements easily translated element-to-element in all three of the schemas, and the same problems in the RTS were evident in all three of the crosswalks. This tells me that the original

RTS elements were not well formed or clear and will need to be modified and addressed to make the schema more user- and data- friendly.

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Resources

Dublin Core Metadata Initiative. (2008). DCMI Metadata Initiative. Retrieved 25 October 2008 from <http://www.dublincore.org/>

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