Exercise 4: Metadata in XML: ANSWER KEY


Exercise Description: This exercise helps develop understanding of XML syntax by applying it (a) to describe a familiar information object with two metadata schemes building on the work completed in Exercise 2 and Exercise 3, and (b) to convert MARC syntax into MARC XML syntax.

Exercise Instructions:

Part 1. Manually turn the Dublin Core metadata record that you created as part of Exercise 3 into an XML document. Consult course materials (readings and instructor’s videorecorded presentations) as you work. Enter the resulting metadata record in the table below (feel free to use the DC XML template provided for you in the course):

<table>
<thead>
<tr>
<th>Your Dublin Core metadata record from Exercise 2 as an XML document</th>
</tr>
</thead>
<tbody>
<tr>
<td>```xml</td>
</tr>
<tr>
<td>&lt;?xml version=&quot;1.0&quot; encoding=&quot;UTF-8&quot;?&gt;</td>
</tr>
<tr>
<td>&lt;creator&gt;Kit, Kanak Mani&lt;/creator&gt;</td>
</tr>
<tr>
<td>&lt;contributor&gt;Rai, Subhas&lt;/contributor&gt;</td>
</tr>
<tr>
<td>```</td>
</tr>
</tbody>
</table>

Commented [OZ1]: This answer key is intended to show the correct coding in XML of DC and MODS records for the information object we describe in this course and focuses on syntax (not on semantics and application of correct metadata elements). Some of the data values for some of the elements in DC record and MODS record in XML will differ among course participants’ and will not necessarily be the same as in my versions of the records that are included in this answer key. Your individual versions of records will be based on decisions each of us made in the process of creating DC record as part of Week 2 exercise and MODS record as part of week 3 exercise.

Commented [OZ2]: Square brackets with ellipses inside them were used in the templates as placeholders for real data values. Because neither square brackets nor ellipses are part of XML metadata syntax, as we all know from Module 4 lecture and readings, they should not be included as part of the data values in the completed records (except for when an element is not applicable, square brackets can be kept to enclose the "Not applicable" statement).
An excitable young frog from Kathmandu Valley, “just out of his tadpole teens”, decides to travel through his country. Bhaktaprasad Bhyaguto goes where no frog has gone before. He rides a tin can downriver, treks past majestic peaks, rides porter-back, mule-back, and yak-back to remote villages, and hops across a good part of Nepal before returning to Kathmandu in and airline pilot’s shirt pocket.

Part 2. Manually turn the MODS metadata record that you created as part of Exercise 3 into an XML document. Consult course materials (readings and instructor’s videorecorded presentations) as you work. Enter the resulting metadata record in the table below (feel free to use the MODS XML template provided for you in the course):

**Your MODS metadata record from Exercise 3 as an XML document**

```xml
<?xml version="1.0" encoding="UTF-8"?>
  <titleInfo>
    <title>Adventures of a Nepali frog</title>
    <subtitle>[not applicable]</subtitle>
  </titleInfo>
  <name type="personal" authority="naf" authorityURI="http://id.loc.gov/authorities/names/">
    <namePart type="family">Dixit</namePart>
    <namePart type="given">Kanak Mani</namePart>
    <namePart type="dates">[not applicable]</namePart>
    <role>
      <roleTerm authority="marcrelator" type="text">Author</roleTerm>
    </role>
    <affiliation>[not applicable]</affiliation>
  </name>
  <name type="personal" authority="naf" authorityURI="http://id.loc.gov/authorities/names/">
    <namePart type="family">Rai</namePart>
    <namePart type="given">Subhas</namePart>
    <namePart type="dates">[not applicable]</namePart>
  </name>
</mods>
```
An excitable young frog from Kathmandu Valley, “just out of his tadpole teens”, decides to travel through his country. Bhaktaprasad Bhaguto goes where no frog has gone before. He rides a tin can downriver, treks past majestic peaks, rides porter-back, mule-back, and yak-back to remote villages, and hops across a good part of Nepal before returning to Kathmandu in and airline pilot’s shirt pocket.

<targetAudience authority="marctarget">juvenile</targetAudience>

<note>Includes glossary</note>

<subject authority="lcsh" authorityURI="http://id.loc.gov/authorities/subjects/">
  <topic>Adventure travel</topic>
  <genre>Juvenile fiction</genre>
</subject>

<subject authority="lcsh" authorityURI="http://id.loc.gov/authorities/subjects/">
  <topic>Frogs</topic>
  <genre>Juvenile fiction</genre>
</subject>

<subject authority="naf" authorityURI="http://id.loc.gov/authorities/names/">
  <geographic>Nepal</geographic>
</subject>

<subject authority="lcsh" authorityURI="http://id.loc.gov/authorities/subjects/">
  <temporal>[not applicable]</temporal>
</subject>

<classification authority="lcc">PK2598.Z95.E54</classification>

<relatedItem>
  <titleInfo>
    <title>Internet Children's Digital Library</title>
  </titleInfo>
</relatedItem>

<relatedItem>
  <relatedItem>
  <relatedItem>
Part 3. Manually turn the snippet of MARC record found in the left-hand column of the table below into MARCXML. Consult course materials (readings and instructor’s videorecorded presentations) as you work. Enter resulting MARCXML metadata record in the right-hand column in table below:
### A snippet of MARC record

<table>
<thead>
<tr>
<th>Field</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>020</td>
<td>9781504611589 (1 \text{library ed.})</td>
</tr>
<tr>
<td>020</td>
<td>9781504611596</td>
</tr>
<tr>
<td>028</td>
<td>2 (ZPbjbz # \text{Blackstone Audio})</td>
</tr>
<tr>
<td>040</td>
<td>n-us-tx</td>
</tr>
<tr>
<td>050</td>
<td>4 (PS3623.I536 # R85 2015ab)</td>
</tr>
<tr>
<td>100</td>
<td>Wilde, Lori, # author</td>
</tr>
<tr>
<td>245</td>
<td>Rules of the game # a Stardust, Texas novel # c by Lori Wilde</td>
</tr>
<tr>
<td>250</td>
<td>Unabridged</td>
</tr>
<tr>
<td>264</td>
<td>4 (\circ # 2015)</td>
</tr>
<tr>
<td>300</td>
<td>10 audio discs (11.5 hr.) # a digital, CD audio # c 4 3/4 in</td>
</tr>
<tr>
<td>308</td>
<td>113200</td>
</tr>
<tr>
<td>330</td>
<td>spoken word # spw 12 respcontent</td>
</tr>
</tbody>
</table>

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### A MARCXML version of this snippet of MARC record

```xml
<?xml version="1.0" encoding="UTF-8"?>
<record xmlns="http://www.loc.gov/MARC21/slim">
  <leader>...</leader>
  <controlfield tag="...">
  </controlfield>
  <datafield tag="020" ind1="" ind2="">
    <subfield code="a">9781504611589</subfield>
    <subfield code="q">(library ed.)</subfield>
  </datafield>
  <datafield tag="020" ind1="" ind2="">
    <subfield code="a">9781504611596</subfield>
  </datafield>
  <datafield tag="028" ind1="0" ind2="2">
    <subfield code="a">ZPbjbz</subfield>
    <subfield code="b">Blackstone Audio</subfield>
  </datafield>
  <datafield tag="043" ind1="" ind2="">
    <subfield code="a">n-us-tx</subfield>
  </datafield>
  <datafield tag="050" ind1="" ind2="4">
    <subfield code="a">PS3623.I536</subfield>
    <subfield code="b">R85 2015ab</subfield>
  </datafield>
  <datafield tag="100" ind1="1" ind2="">
    <subfield code="a">Wilde, Lori</subfield>
    <subfield code="e">author</subfield>
  </datafield>
  <datafield tag="245" ind1="1" ind2="0">
    Rules of the game \# a Stardust, Texas novel \# c by Lori Wilde
  </datafield>
</record>
```

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**Commented [OZ10]:** Our snippet did not include this data so I am skipping it in the MARC XML version.

**Commented [OZ11]:** Our snippet did not include this data.

**Commented [OZ12]:** Since MARCXML, unlike the OCLC Connexion display of MARC record on the left, required a subfield code entered for each subfield, here and below, I supplied the default value "a" for subfield code for initial subfields in variable fields.
<subfield code="a">Rules of the game:</subfield>
<subfield code="b">Stardust, Texas novel /</subfield>
<subfield code="c">by Lori Wilde.</subfield>
</datafield>
<datafield tag="250" ind1="" ind2="">
<subfield code="a">Unabridged.</subfield>
</datafield>
<datafield tag="264" ind1="" ind2="1">
<subfield code="a">[Ashland, Oregon]:</subfield>
<subfield code="b">Blackstone Audio, Inc.:</subfield>
<subfield code="b">Harper Audio,</subfield>
<subfield code="c">[2015]</subfield>
</datafield>
<datafield tag="264" ind1="" ind2="4">
<subfield code="c">©2015</subfield>
</datafield>
<datafield tag="300" ind1="" ind2="">
<subfield code="a">10 audio discs (11.5 hr.):</subfield>
<subfield code="b">digital, CD audio;</subfield>
<subfield code="c">4 ¾ in.</subfield>
</datafield>
<datafield tag="306" ind1="" ind2="">
<subfield code="a">113200</subfield>
</datafield>
<datafield tag="336" ind1="" ind2="">
<subfield code="a">spoken word</subfield>
<subfield code="b">spw</subfield>
<subfield code="2">rdacontent</subfield>