

Assignment 2: MODS AP Design

Identify a suitable collection/site that can be described through MODS and design an application profile providing sufficient access to your patrons. Try to use MODS elements as much as possible, but feel free to go beyond MODS specifications and extend the elements to ensure better access for your local patrons. The inclusion of any non-MODS element will entail assigning a new namespace for that element.

When possible, increase interoperability in accordance with the dumb-down principle by extending your elements as refinements of the nine pre-established main elements.

Once you have all the elements needed to describe your resources, you are ready to design your application profile. Please note the following for more information on specific requirements.

SECTION 1: Choose a resource or collection of interest

1. *The chosen resource or collection should stand to benefit from the application of MODS elements in its description by making it easier for users to find items.*
2. *State your reasons for designating MODS as an appropriate metadata set for the collection that you chose.*
3. *Describe your main users and explain how you can meet their needs through your design.*
4. *Develop a data dictionary of the metadata elements and encoding schemes that you intend to use.*
5. *Describe any syntax or value encoding schemes that you intend to employ. If it is a long list available on the Web, please provide the corresponding URL.*

SECTION 2: Defining your own MODS schema

1. *You should define your own version of MODS schema since this will be a great experience for you and build your confidence in XML schema design.*
2. *When done, save it as 'yourName-mods.xsd'.*

SECTION 3: Defining your own terms

1. *Even though MODS is a metadata set designed for bibliographic resources, you may need to create your own terms or borrow terms from other namespaces to meet the needs of your local clients. There is a strong possibility that you do not need your own terms since MODS provide such a comprehensive list of terms to describe bibliographic resources. In that case, your job is to select the appropriate terms from MODS and use them properly where needed.*
2. *When you design your own terms, you must assign them a new namespace so that others can recognize them as your terms. If you borrow terms from another namespace, make sure that the proper namespace is specified so that these terms will be interoperable.*
3. *Save your completed file as "yourName-modsLocal" (e.g., sam-modsLocal.xsd).*

SECTION 4: Designing a MODS AP

1. Create a new schema file, import your MODS schema into the new file, and save it as “yourName-modsAP” (e.g., sam-modsAP.xsd).
2. Select which elements to use in your AP in addition to deciding the cardinalities of each element.
3. Make sure that you modify your MODS schema to fit your needs.
4. Import the local terms if you defined. Integrate them properly into your MODS AP. If possible, bring them into sub-elements of your MODS terms in order to achieve interoperability.
5. Save the file again upon completion.

SECTION 5: Entering data using your schema

1. Now you are ready to enter your data using this AP file. Follow the necessary steps to prepare for data entry by creating **modsCollection** and **modsRecord** as needed. Save the file as “yourName-modsAP-data.xsd” (e.g., sam-modsAP-data.xsd).
2. Enter at least 10 records to ensure that the schema aligns with what you originally envisioned. When entering records, try to use different types of resources when possible and see whether your AP schema can deal with the resource spectrum that you have in mind.
3. Modify your AP schema if you encounter any problems during the data entry process.
4. Save your instance document as “yourName-modsAP-data.xml” (e.g., sam-modsAP-data.xml).

Maximizing good XML functionality (Simple and Complex Types and Groupings, etc.) during the schema design will enable you to control mistakes (providing encoding schemes and vocabulary lists, etc.) in data entry and increase reusability and interoperability.

Required submissions

- Submit a presentation or pre-recorded file to demonstrate what you did for this assignment.
- Submit all files created over the course of this assignment.
- Submissions are to be made via iCampus.