Instructions for Wisconsin Museums 1 Coding Assignment

Assignment
The goal of this assignment is to create a DTD schema for an XML instance document that will be provided. This new document type will hold information about museums. The instance document is available on our Weekly Schedule page and is named:

lmls_wisconsin_museums_1Q2015.xml

The data for this document were extracted from the IMLS Museum Universe Data File. The entries in this document represent the many Wisconsin museums that were known to IMLS as of 1Q2015.

Your assignment is to create a DTD schema based upon the document model implicit in this XML document. Further, you need to modify the XML document so that it is connected to your schema document with a DOCTYPE declaration. While doing this assignment, you should follow the process that I illustrated when making the related tutorial video.

Remember to work on these two files until both the XML and the DTD schema files show no errors when you click on the Validate toolbar button.

Tools
Use the Oxygen XML Editor to create a new DTD schema file and to add a DOCTYPE declaration to the XML document provided.

Length
Since there are quite a few museums in Wisconsin, the XML document provided is fairly long. Yet, the number of element types and attribute types is manageable. Make sure to continue improving your DTD schema file until all validation errors are resolved in the XML document.

Format
Place both the XML file and the DTD file in the same directory. When validation is successful, zip up the entire directory and submit the zip file to the D2L dropbox.

Directory and File Naming Conventions

Create a directory to hold the files that you will submit. The directory name should take the following form:

    trainor_kevin_wisconsin_museums_1

The XML file has already been named. While you will be editing some of the text in the document to add a DOCTYPE declaration, there is no need to rename the file:

    lmls_wisconsin_museums_1Q2015.xml

The DTD file should be named as follows:

    wisconsin_museums.dtd

In preparation for submitting your work, use a zip utility program to zip the directory that holds the XML and DTD files. The result should be a .zip file with the following naming scheme:

    trainor_kevin_wisconsin_museums_1.zip

Due By

Please submit this assignment by the date and time shown on the course Weekly Schedule.