

## Instructions for Wisconsin Museums 5 Coding Assignment

### Assignment

The goal of this assignment is to make improvements upon the printed list of Wisconsin Museums that you created in the Wisconsin\_Museums\_4 assignment. You will achieve this by making improvements in the XSLT stylesheet that you created for the Wisconsin\_Museums\_4 assignment. Using the Oxygen XML Editor and the XEP print formatting engine, you will generate this new version of the PDF output document

Use a copy of your submission for the Wisconsin\_Museums\_4 assignment as the starting point for this assignment. Make sure to change the directory name so that you may preserve both versions of your solution.

You will be expected to modify the XSLT stylesheet (.xsl) that will be used to transform the XML instance document. The result of the transformation should be a well-formatted XSL-FO document that presents that information regarding Wisconsin Museums that originated on the XML instance document. This new version of the print document will include a footer on each page that includes the title of the document (on the left) and the page number (on the right). When designing your document, take inspiration from the most recent demo video in which I perform a similar task for the ASIS&T Student Chapters list.

Because you will be performing the entire transformation and PDF generation with a single Oxygen XML Editor transformation scenario, the XSL-FO document created from your XSLT stylesheet will be a temporary file and not easy for you to locate. Yet, the final output of the XSL-FO print formatting process should be a proper PDF document that is easy for you to locate.

In all, you should have coded or generated 2 files when you have completed the exercise:

```
generate_print_version_museum_report.xsl
wisconsin_museums.pdf
```

### Method

Use the method that was demonstrated in my tutorial video on creating XSLT stylesheets for the creation of XSL-FO documents (Part 2). I have posted the code from the demo video to our Weekly Schedule. Feel free to borrow portions of that code as you add these same features to your XSLT that creates a list of Wisconsin Museums.

### Tools

Use the Oxygen XML Editor to create the XSLT document. Use an Oxygen transformation scenario to generate your PDF document. Remember the debugging tips that were provided for the last assignment. Use these tips to help debug any problems that you encounter on this assignment.

**Length**

Your final test should use all of the museums in the XML instance document. Make sure that your XSLT code makes allowances for all optional elements that occur in the test data. Refer to the schema provided to see which elements are optional. Make sure that the `keep-together` attribute is being used to keep entries from a single museum from spanning more than one page.

**Format and File Naming Conventions**

Name your working directory so that it takes the following form:

```
trainor_kevin_wisconsin_museums_5
```

When your work is complete, zip this directory and submit it to the D2L dropbox. The name of the file submitted should take the following form:

```
trainor_kevin_wisconsin_museums_5.zip
```

**Due By**

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