

## Instructions for Press\_Release\_4 Coding Assignment

### Assignment

The goal of this assignment is to create an HTML5 page that contains a formatted article announcing the appointment of Professor Tomas Lipinski to the position of SOIS Dean. You will achieve this by creating an XSLT stylesheet and using that stylesheet to transform an XML instance document regarding the appointment of Dean Lipinski into the target HTML5 page.

The starter files that you will need to begin this coding assignment have been made available as part of a downloadable .zip file in the Weekly Schedule. The directory for the starter files contains an Oxygen project file that you should use for this assignment. The files provided include the XML instance document and two versions of the schema:

```
press_release_document.xml  
press_release.xsd  
press_release.dtd
```

You will be expected to create an XSLT stylesheet (.xsl) and to use that stylesheet to transform the XML instance document. The result of the transformation should be a well-formatted HTML5 document (.html) that presents that information regarding Dean Lipinski's appointment that originated on the XML instance document. This HTML5 document should be accompanied by a simple CSS stylesheet (.css). In all, you should have coded or generated 3 files when you have completed the exercise:

```
generate_article_page.xsl  
article_style.css  
press_release_document.html
```

### Method

Use the method that was demonstrated in my tutorial video on creating XSLT stylesheets for publishing documents. It is especially important to develop your stylesheet incrementally, testing it as you add each feature. XSLT processing engines are notoriously bad at identifying errors in your code. So, you do best to add just a little bit of code at a time. That way, you will know that any errors are in the little bit of code that you just added. Continue adding bits of new code and testing them until you get the overall desired results.

Since this is not an HTML class, you only need to use simple HTML constructs to structure and format your report. There is no need to create an elaborate layout using table structures to hold museum entries. Also, there is no need to create an elaborate or sophisticated layout with CSS positioning. Most of your styling can be achieved through using HTML tags for headings, paragraphs, line breaks, <a> links, bolding, and italics. While I do want you to create an external CSS stylesheet and demonstrate that

you can connect it successfully to your HTML page, there is no need to create elaborate styling with CSS.

### **Tools**

Use the Oxygen XML Editor to create the XSLT document and the CSS document. Use an Oxygen transformation scenario to generate your HTML page.

### **Length**

Your test should use all of the content present in the XML instance document.

### **Format and File Naming Conventions**

When unzipped, the Oxygen project directory that is available on D2L will be named:

press\_release\_4

Copy and/or rename this directory so that it has a name that takes the following form:

trainor\_kevin\_press\_release\_4

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\_press\_release\_4.zip

### **Due By**

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