

**COMP4711 Lab 9 (Winter 2009)**  
**Dates: Mar 16-20, 2009**

**JAXP Processing**

**Background**

You have an XML document reflecting TV schedule data (tvdata.xml), and you have a stylesheet that transforms that document into an HTML page that looks similar to the original worksheet. At the moment, the transformation is done by the browser, on the client. This would be your previous lab :-/

Make a JSP to perform the transform server-side, and deliver an already-formed HTML page to the browser. This will have to be done as a webapp, and you should use the “JSPs and XML” presentation as a guideline.

This is an individual lab.

**Note**            This is an easy lab, for a change :)

**Note 2**            I have enhanced the lab specs, per in-lab discussions.

**Lab Tasks**

1. Start a new webapp project for this lab.
2. Copy the XML and XSL documents from your previous labs to an area accessible by your webapp: a **data** folder inside your **WEB-INF** folder.  
Note: You can use the stylesheets from either lab 7 or lab 8 – this lab is about managing the XSL transform, not the specific results made.  
Note 2: We only need the tvdata.xml and tvdata.xsl (or whatever you called yours) files for this lab.
3. You will need two stylesheets: the original from your previous lab, which produces an entire HTML page, and a simplified one, which only spits out the content of the HTML page's body element. For convenience, I will call these tvdata.xsl and tvsimple.xsl.
4. The tvsimple.xsl only needs to produce the contents of the body section of the HTML document.
5. Modify the default starting page **index.jsp**, so that the body includes a link to “index2.jsp” and then a scriptlet to apply the tvsimple.xsl stylesheet to the tvdata.xml document to make up the balance of the body.
6. Create a second JSP page, index2.jsp, which contains only a scriptlet to transform tvdata.xml using tvdata.xsl, i.e. Not using any generated HTML from NetBeans. To be clear, this JSP will apply your original stylesheet to

your data file, and produce a fully-formed HTML page which includes the result of the transform.

7. Zip up your project, and submit the zip file to share-in, using a suitable name.

### **Marking Guideline**

This lab will be marked out of 10 ...

- 2 marks for the modified transform, eg tvsimple.xsl
- 4 marks for the index.jsp incorporating the generated HTML fragment
- 4 marks for index2.jsp, which is a totally generated HTML page

### **Submission**

- Your zipped netbeans project, as noted above.
- Due by the end of the weekend (sunday 11:59pm)