Basic XSL Stylesheet

Background

You must have seen this one coming too – in fact, you were probably expecting something worse (wait until next week). We want to prepare only a basic stylesheet, to present the TV guide sample data in a reasonable fashion.

The ultimate goal of this lab is to transform the tvdata.xml document into a webpage that looks something like a conventional TV guide listing:

TV Guide Listings

Title	Time	Description	Categories
NOW on PBS	20080715003000-0600	Jordan's Queen Rania has made job creation a priority to help curb the staggering unemployment rates among youths in the Middle East.	Newsmagazine, Interview, Public affairs, Series,
Mystery!	20080715010000-0600	Foyle investigates an explosion at a munitions factory, which he comes to believe may have been premeditated.	Anthology, Mystery, Series,
Mystery!	20080715023000-0600	The murder of a prominent scientist may have been due to a gambling debt.	Anthology, Mystery, Series,
BBC World News	20080715040000-0600	International issues.	News, Series,
Sit and Be Fit	20080715043000-0600		Exercise, Series,
The Early Show	20080715060000-0600	Republican candidate John McCain; premiere of the film "The Dark Knight."	Talk, News, Series,
Rachael Ray	20080715080000-0600	Actresses Kim Raver, Brooke Shields and Lindsay Price ("Lipstick Jungle"); women in their 40s tell why they got breast implants; a 30-minute meal.	Talk, Series,
The Price Is Right	20080715090000-0600	Contestants bid for prizes then compete for fabulous showcases.	Game show, Series,
Jeopardy!	20080715100000-0600		Game show, Series,
The Young and the Restless	20080715103000-0600	Jeff thinks Kyon stole the face cream; Nikki asks Nick to give David a chance; Amber begs Adrian to go to Australia.	Soap, Series,

This use the same starter as the last two labs, namely the **Lab5Starter** project.

This is an individual lab.

Lab Tasks

1. I suggest using one of the sample stylesheets as a starting point. When creating this, you might find it easier to create an empty .xsl file in your project's data folder, as NetBeans will insist on putting it in either the source tree or the test tree if you use the built-in wizard.

2. Use a template element matching "/" for the main structure of the HTML document. You want the HTML document to spit out a table with one row per program (not quite TV guide style, but easy to do).
3. Your stylesheet will be more readable if you use a separate template (inside the .xsl file) for programs. This is only required if you want full marks for the lab.
4. W3schools has [XSL tutorial material](#), if you feel the need for more than is in our presentations and the examples.
5. The xsl:for-each will let you select relevant DOM program elements.
6. The xsl:value-of will let you insert element contents into the resulting HTML.
7. Make sure that your tvdata.xml is bound to your stylesheet, so that I can just "view" the document from inside NetBeans.
8. Zip up your project and submit the zip file to share-in, using a suitable name, like ParryJimComp4711Lab7.zip.

Marking Guideline

This lab will be marked out of 10 ...
- 2 marks for main HTML structure
- 2 marks for some suitable iteration (for-each)
- 2 marks for some suitable selection (value-of)
- 2 marks for separate templates for root and programme
- 1 marks for validation
- 1 marks for correct output display

Submission

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