COMP4711 Lab 6 (Winter 2009)
Dates: Feb 16-20, 2009

XML SAX Processing

Background

You must have seen this coming – we want to do the same "kinda thing" as last week, finding suitable shows in the TV guide sample data files, are in the *data* folder of the **Lab5Starter** project. You think you have a killer idea for a webapp, to let people find shows of interest only, but need to build a prototype to prove that you can use data in XMLtv format. The **Lab5Starter** project has a *Main* class, with some methods that need flushing out – *who*, *when* & *where*.

Use only SAX as your XML technique.

You could use an *org.jdom.input.SAXHandler* to process SAX events, but you might find it easier to stick with *org.xml.sax.helpers.DefaultHandler*

This is an individual lab.

Lab Tasks

1. We talked about the SAX model in class. Thew SAXHandler class is documented in the JDOM API, while the DefaultHandler is part of the standard Java 6 API.
2. You should by now be familiar with the **tvdata.xml** document, and how to interpret / navigate it using the DOM to flesh out the three incomplete methods in the Main class in the starter.
3. The Main class in the project provides a framework ... you need to flesh out the **who(), when(),** and **where()** methods, using only SAX event handling.
4. Each of these will need to have the appropriate XML document loaded into memory, with validation on if apropriate. You then need to have a state-driven capture of data, similar to the demo and the presentation from last week.
5. Zip up your project and submit the zip file to share-in, using a suitable name, like ParryJimComp4711Lab6.zip.

Marking Guideline

This lab will be marked out of 10 ...
- 3 marks for who()
- 4 marks for when()
- 3 marks for where()

Submission

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