

## CSE 5347/7347 XML

Homework 2 : Due Jan 31 (Friday) ; distance due Feb 2 (Sunday)

Download the XML music catalog at: [http://www.w3schools.com/xml/cd\\_catalog.xml](http://www.w3schools.com/xml/cd_catalog.xml)

- Add 5 CD entries of your own choice
- For at least 2 CDs add the tracks for the CD. Each track should have its own TRACK element that is the CHILD of CD and whose value is the name of the track. For example:

```
<CD>
  <TITLE>Romanza</TITLE>
  <ARTIST>Andrea Bocelli</ARTIST>
  <COUNTRY>EU</COUNTRY>
  <COMPANY>Polydor</COMPANY>
  <PRICE>10.80</PRICE>
  <YEAR>1996</YEAR>
  <TRACK>name of track one</TRACK>
  <TRACK>name of track 2</TRACK>
  <TRACK>... etc ..</TRACK>

</CD>
```

- Create your own **namespace** using **your** Lyle account userid (e.g. <http://lyle.smu.edu/~userid>). All the element of your XML should be in this namespace
- Create a DTD (cdCatalog.dtd) for your XML that defines the structure of your XML.
- Within the DTD create entity references for all the company names (e.g. COMPANY element) and within the XML use those entities in place of the names of the company.
- Include an external reference to the DTD within in your XML.
- Test that your XML validates against your DTD. Take a screen shot of the result of the validation.
- Publish your XML on a public server. Name it cdCatalog.xml. Test that it is visible in a browser
- Publish your DTD on a public server. Test that it is accessible via a browser.
- Submit to Blackboard – a PDF that contains in order:
  - A. Homework 2 Your name
  - B. XML in courier font, indented
  - C. DTD in courier font indented
  - D. Screen shot showing the result of validation
  - E. A link to the XML and a link to the DTD that is available on a public server.