Lab 2: XML Practice

Due date: Tuesday, April 8, beginning of lab period.

Lab Assignment

This is, essentially, a take-home team lab.

Part 1: Group-related activities

During the Thursday, April 3, lab period you will learn your team assignments. Each team is then asked to do the following.

- Come up with a team name. (Names are a more convenient way of referring to teams than numbers or other designations).
- Create a simple web page for the team. Some information from this, and other labs, as well as the project, will be eventually linked to from this page. For now, the page should contain the team name, names and email addresses (you can obfuscate them if you want to) of team members. Other materials to be put on the page are described below.

Part 2: XML Practice

Each team will be given some physical objects containing information in them. While different teams may get different types of objects, all objects received by a single team will be similar in nature. The following needs to be done.

- Create a DTD describing XML documents storing the information from the objects provided to your group. The DTD should be rich enough to allow for natural expression of information from ALL objects each team receives, but specific enough to the type of information that is being represented. Put a link to the DTD on the team web page.

- Create an XML document for each object given to the group. The XML document shall be valid with respect to the DTD your group created. Put a link to each created XML document on the team web page.

Please, note the following:

- You may perform the tasks above in any order: come up with a DTD first, and then prepare XML files, or, prepare XML files first, and then assemble the DTD (or you can use a spiral model design process.)
- The best way to test if your XML documents are well-formed and/or valid w.r.t. your DTDs is to load them into a web browser. Both Firefox and IE come with XML parsers and plugins that display XML documents as trees. Any parsing errors are shown in the browser if parsing is unsuccessful.

Submission Instructions

When you are done, have one person from each team send an email dekhtyar@csc.calpoly.edu. The subject line shall be `"CSC 468: Team <Name>: Lab 2 submission"` (replace `<Name>` with the actual team name). In the body of the email put the link to the team web page.

You should complete your submission before the beginning of the lab period on Tuesday, April 8. (there will be a grace period of about 5 mins at the beginning of the lab).