Lab 2: XML Practice

Due date: Wednsday, September 29, beginning of lab period.

Lab Assignment

This is a group lab/homework assignment. You will have one lab period (Monday, September 29) to work on the assignment, the remainder of the work will have to be done outside of the lab.

Part 1: Group-related activities

This assignment is to be be performed by project teams – only one submission per each project team is required.

Our course now has acquired a wiki. The URL for the wiki is

http://wiki.csc.calpoly.edu/csc468-fall2010

We will use the wiki to provide each group with the ability to generate course-related content (e.g., test cases for the future assignments).

- Come up with a team name. (Names are a more convenient way of referring to teams than numbers or other designations).
- Create a wiki page for your group. The wiki page will eventually contain links to some information from this, and other labs, as well as the project. 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. Load the DTD on the wiki. Put a link to the DTD on the team wiki 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. Load each file on the wiki. Put a link to each created XML document on the team wiki.

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. (I am certain, Chrome has similar functionality as well).

Please note: you will be using the XML files you create for this lab (or somewhat modified versions of them) in your future labs and in the project as the test data.

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 a note that your team has completed the submission. (I will visit the wiki and browse the page your team has created to view the DTD and the XML files you have built.)

You should complete your submission before the beginning of the lab period on Wednsday. September 29.