CSCI 452 Network and Web Programming

Ajax/XML/JSON Assignment

Due April 27th, 9 PM (No late submission).

In this project, you are asked to write the web pages and programs to support the following operations.

- Where the web page at books.php is first opened, the javascript program books.js included in the web page fetches the list of book categories via Ajax from booklist.php and displays it as in the following example.

○ Children ○ Computers ○ Finance [List Books]

- When the "List Books" is clicked, the javascript program books.js fetches the information of the books in the selected categories via Ajax from booklist.php and displays it as in the following example.

Books in category "Cooking":

❖ Breakfast for Dinner, by Amanda Camp (2009)

❖ 21 Burgers for the 21st Century, by Stuart Reges (2010)

❖ The Four Food Groups of Chocolate, by Victoria Kirst (2005)

If books.php is accessed with the parameter "format" set to "json", i.e. the path part of the URL is books.php?format=json, the web server should send back data in JSON in all the following communication. Otherwise, the web server should send back data in XML.

The book information on the server must be stored in a MySQL database. There should be 5 tables, one for title, year, price, category and author respectively. (You will create dummy book information to store in the database.)

You will turn in the following files:

- books.php
- booklist.php
- books.js
- db.sql (The schema definition (i.e. table structures) of the database in plain text exported from MySQL. Data should NOT be included.)
- Any style sheet required for your web page
- A plain text file named readme.txt that contains the following items:
  - The URL of your project on a hosting service.
  - The URL of your project on Github.
  - The date and time, brief description in one or two sentences, and the URL of the most

significant commits. At least five are needed.

- Any comment that can help the instructor to understand your project.