Data 202 Assignment

In Class XML Exercise

Reference: <https://www.youtube.com/watch?v=hEjZSs-xYqM&list=PLCC69303C2F4B7F1F> (XML Film)

<http://www.w3schools.com/schema/> (Basic Tutorial)

<http://www.youtube.com/watch?v=22d3PN_l-Wg> (Visual Studio Tool)

Objective: (10 Points) You are to design a schema for a bartering exchange system.

Deliverables: A scenario is provided below which describes a proposed system. In support of this scenario, do the following:

1. Create a SCHEMA and an example XML file. The schema may be prototyped and tweaked through Visual Studio using a sample XML file.
2. Be ready to provide a 3 to 4 minute overview of your work to the class.

**Scenario**: There is a group of people interested in forming a bartering club. To let people know about items they would trade, that information must be placed in a database. The database designers agreed to model the database based on the specification of an XML standard for the exchange of information. So, everyone agreed that the following information for each item is critical:

1. The type of an item. There are only four types of items that can be bartered: automobile parts, furniture, books and computers.
2. A description of the item being sold.
3. The estimated value.
4. Serial numbers if applicable.
5. Date of availability.

Also, contact information must be provided that includes name, phone number and email address. The XML file should be able to list multiple offers of items from multiple people.

Your grade will be based on the detail of the schema file and overall preparedness for discussion/presentation.