Today's class: Triggers, semistructured data, XML; Ch. 7, 11.
Next class: XPath, XQuery; Ch. 12.

1. List the members of your group below. Underline your name.

2. Explain how the aggregate image size constraint of the previous class exercise may be enforced at the DBMS-level (not application level) by a a database system that does not support SQL assertions, but that does support triggers.

3. Outline the representation of the database of our running example (students, courses, enrollments) in the semistructured model. What are the advantages and disadvantages of this representation over the relational one?

4. Repeat Question 3 for XML. How do we determine whether the *credits* for class enrollments should map to an XML attribute or XML element?

5. Suggest, using an example, a method to represent a graph in XML? How are cycles handled?

6. Outline DTD and XML Schema specifications for the representation of Question 4.