SIMS 202 PHONE PROJECT – ASSIGNMENT 7
METADATA REVISION (Due December 2, 2004)
November 23, 2004

0. DOCUMENT SUMMARY

1. METADATA REVISION AND CONSOLIDATION
2. METADATA SYNTAX, UI, AND SEMANTICS IN RDF
3. SUBMISSION REQUIREMENTS

1. METADATA REVISION AND CONSOLIDATION

Revising and improving your faceted metadata framework is the highest priority task in this assignment. Taking into account the feedback provided by the Teaching Team on November 19, please work with your partner team produce a revised consolidated metadata framework that is both appropriate for your own applications and maximizes reusability for the overall photo database. Also incorporate descriptions specific to photography (framing, orientation, etc.) into your metadata framework. Remember to:

Ensure that your metadata is designed not only to meet the needs of your application, but facilitates accessibility to and reuse of your photos and metadata by other applications as well.

Be sure to follow the same formatting requirements that were specified in Assignment 6.

If you are unclear on the feedback you received or any of the specifications for faceted metadata, please ask your TAs and Professors for help.

Please also write a brief explanation of the changes you made to your metadata framework and describe how those changes improve the classification system.

2. METADATA SYNTAX, UI, AND SEMANTICS IN RDF

Now that you have created a revised consolidated metadata framework, you will be able to represent that framework in RDF using a free RDF editing tool "Protégé 3.0 beta" available at:

http://protege.stanford.edu/download/prerelease/full/

Make sure to use the *3.0 beta version* of Protégé.

In Protégé 3.0 beta you will be able to represent the semantics, syntax, and UI for your consolidated metadata framework. If you turn in your revised consolidated metadata framework Excel file by Sunday, November 28, you will receive a Protégé 3.0 beta project file with your ontology already loaded by Monday, November 29. Your ontology will be loaded under **mmmBase:taxonomyItems**. At this point your ontology will only express class/subclass relations between items in the ontology. Your job will be to: 1) specify the syntax for combining your facets and subfacets in **mmmBase:mmmBase**; and 2) specify how your facets will appear in the MMM2 user interface in **mmmBase:annotationBase**. You will also have the option of adding additional relational semantics to your ontology if you wish. The main purpose of this task is to express the *syntax* of your revised consolidated metadata framework in a way that can be used for annotating photos with your revised consolidated metadata framework in the MMM2 web application.

The process for adding syntax, UI specifications, and additional semantics is described in the "Protégé Training" document on the IS202 Web Site under the Phone Project. You may submit your Protégé project files to simonpk@sims.berkeley.edu in order to see them used in the MMM2 web site each day from Monday 11/30 through Wednesday 12/01 (the changes will appear the next day) to aid you in your ontology building efforts.

5. SUBMISSION REQUIREMENTS

PROCESS

- Meet with your team and your partner team and discuss the feedback you received from the teaching team to ensure everyone understands it.
- Revise and consolidate your metadata frameworks into one, applying the same formatting rules and naming conventions specified in Assignment 6.
- Write up a brief summary of the changes you made to your classification system and a justification for each of the changes.
- Update your team website with the deliverables listed below.

DELIVERABLES

1. A revised consolidated faceted metadata framework in Excel emailed to is202-ta@sims.berkeley.edu and simonpk@sims.berkeley.edu by Sunday, November 28, 2004 (NOTE: You may chose to email your revised consolidated faceted metadata framework in Excel later than Sunday, but then you will have less time to create your RDF ontology in Protégé).
2. A Protégé project file with your revised consolidated faceted metadata framework expressed as an RDF ontology emailed to is202-

ta@sims.berkeley.edu and simonpk@sims.berkeley.edu by Thursday, December 2, 2004, at 10:30 am.
3. A summary of the changes you made and justifications for them
4. Updated work distribution chart with information about time spent on this assignment
5. Items 1-4 posted to your project team web site

Questions? Email: is202-ta@sims.berkeley.edu