

SIMS 202 PHOTO PROJECT – ASSIGNMENT 5 METADATA CONSOLIDATION (DUE OCTOBER 10, 2002)

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1. INTRODUCTION

In Assignments 3 and 4, all of you strived to devise a metadata framework that is not only appropriate for your application, but is also as reusable as possible. Now we are putting the reusability of your classification to the test!

Your task is to pool your project groups' classifications into a single consolidated classification that is appropriate for ALL applications and as reusable as possible.

All project group classifications will serve both as model and starting point for the consolidated classification.

You will constitute newly formed facet design groups, which will discuss the final structure and descriptors of their assigned facets. Ideally, every project group will have representatives in each facet design group. Each facet design group member will represent their group classification's interests and work to ensure the appropriateness of the consolidated classification for their application and for overall reusability.

2. DETERMINE MAIN FACETS (eD)

As a first step, the main (top-level) facets have to be determined.

We will use the following procedure to ensure a democratic and fast decision-making process:

1. We have pooled similar project group top-level facets into 12 facet containers (e.g. one containing facet names like "Object" and "Objects").
2. Each of you will get email from eD (the SIMS e-decisions facilitator at <http://dream.sims.berkeley.edu/ed/>) inviting you to participate in the is202 facet decision-making process.

3. Every student will log on to eD and vote for the main facets. (Registration will be required, if you have not yet used eD.)
4. For each facet container, you will have to make 4 decisions:
 - Which *one* name best represents the facet container?
 - Once the facet container has been given an official name, should it be a main facet?
 - Should this facet be consolidated into another higher-level facet? If so, which facet should it be grouped under?
 - Should this facet be eliminated altogether?
5. You can also propose other solutions for consolidation or renaming. When proposing new names, please remember that eD has a 100 character limit for any voting option and that quotes ("") are illegal.

SCHEDULE:

- You will receive the eD invitation soon after class today (September 26, 2002).
- The eD decision phase will be finished on Friday, at noon.
- The main facets will be posted on the photo project website by Friday, 1:00 pm.

TASK:

- **Vote for your main facets before noon on Friday, September 27.**

3. NEW GROUP FORMATION

After the main facets have been decided, we will form new facet design groups, which will each be responsible for creating a unified consolidated classification scheme for that facet drawing from the work done by all the groups.

After looking at the posted main facet, decide for yourself which facet design group you want to participate in.

Each student will send 3 choices (in order of priority) for a facet design group to participate in. Members will be assigned to facet discussion groups on a first come, first served basis and based on the number of team members needed for each facet design group.

Your new facet design group membership information will be mailed to you by Friday evening. Please, contact your new group as soon as possible to discuss a meeting time.

All facet groups will be posted on the photo project web site.

TASKS:

- Send email to vivienp@sims.berkeley.edu with your individual top 3 choices for facet design groups by Friday, 6pm.
- Coordinate with your new facet design group about scheduling your facet design meetings.

4. CONSOLIDATION TASK

In your facet design group, use the existing classifications (from all 7 application groups) to formulate a consolidated facet. Apply everything you have learned in assignments 3 and 4 and in class.

Facet overlap

If you think your facet overlaps with another facet or another facet design group might incorporate the same sublevels as you plan on using, you need to communicate with the other facet design group(s) to come to an agreement.

Promoting sublevels to top-level facets

You can promote sublevels in your facet to top-level facets if needed. Your facet design group will be responsible for the new top-level facet as well.

Transferring sublevels to another top-level facet

If your design requires a sublevel to be transferred to another top-level facet, you need to contact the facet design group for that facet to arrange a transfer.

Make sure that your new facets are consistent with the formal requirements stated in point 5.

TASK:

By noon on Wednesday, October 9, one member of your facet team should send your consolidated facet as an Excel file to is202-ta@sims.berkeley.edu.

5. FORMAL REQUIREMENTS

1. Submission Format:
 - a. Use the same format in Excel as you did for assignments 3 and 4.
 - b. Naming convention for your file: [facetname].xls
2. Descriptor Names
 - a. Descriptor names can be comprised of more than one word.

- b. If your descriptor consists of more than one word, use a space to separate them instead of an underscore.
 - c. Descriptor names have to be unique within one facet. (Note: descriptor names don't have to be unique across facets. This represents a departure from formal requirements of previous assignment work.)
3. Capitalization
- a. Use capital characters at the beginning of words.
 - b. E.g., Location instead of location or LOCATION; Photo Properties instead of photo properties or Photo properties.
4. Singular vs. Plural Form
- a. Be consistent in your use of singular or plural form for descriptor names.
 - b. Use plural for facets where sublevel concepts can be repeated (e.g. a photo can be annotated with several object descriptors) and singular where they cannot (e.g. a date statement).
5. Numeric Data
- a. Numeric data should be presented as numbers.
 - b. E.g. For resolution, have a construct like
 - i. Resolution – Height – 480
 - ii. Resolution – Width – 640Instead of having a something like Resolution – 640 x 480
 - c. This is also important for date and time expressions.
 - d. You can use ranges to group numbers in a higher-level facet, but you need to enumerate the numbers in a lower-level facet as well.
 - e. For time expressions, use the 24-hour standard to avoid confusion.
6. Enumeration of descriptors
- a. Please enumerate all descriptors that might become necessary for annotating the existing photos in the G:\is202_photos\photos folder.
 - b. For example, enumerate all people, who might be photographers.
 - c. Enumerate all months, days and time expressions.
 - d. You don't necessarily have to invent new descriptors if the existing classifications provide enough content.
 - e. You don't have to enumerate every possible descriptor for facets like location or object.

6. PHOTO ANNOTATION

The consolidated photo classification will be posted on the photo project web site by 2:00 pm on Wednesday, October 9.

Individually, each of you will choose 1 of your own photos and annotate it with the new consolidated classification.

Within your project group (Imago, Serendipity, PCD, etc.), pool the annotations into a single file and send it to vivienp@sims.berkeley.edu by Thursday, October 10. Please, send one file per project group: [groupname]_photos.xls.

TASKS:

- **Annotate 1 of your photos with the new consolidated classification.**
- **By class on Thursday, October 10, send one file per project group to vivienp@sims.berkeley.edu with the annotations.**
- **Come to class prepared to talk about your consolidation experience and the new consolidated classification.**