SIMS 202 PHOTO PROJECT – Assignment 3
Photo Metadata Design (Due September 19, 2002)
September 12, 2002

0. DOCUMENT SUMMARY

1. METADATA

Now that you have an idea for a photo use application, you can start thinking about the specifics of describing your photos.

Your task is to develop a *faceted* and *monohierarchical* metadata system (classification) that is both appropriate for your own application and maximizes reusability for the overall photo database.

- Faceted: You have multiple, differentiated top hierarchy levels (no single root node).
- Monohierarchical: A node will always have just one immediate parent.

Design your metadata such that all photos would be accessible from all teams' applications, and not only for the needs of your particular application, but also for the reusability of your photos and metadata. Remember too that in describing photos they have formal properties particular to the photographic medium, the photographic device, and the context of capture. Also, don't forget your obligation to respect your photographic subjects' written permissions.

Your assignment is to develop your metadata system and to write a short rationale explaining your metadata design choices, strengths, and weaknesses.

Time estimate:

- **We will not provide any restrictions or suggestions as to how many facets your classification should have or how many sublevels in the hierarchy you should create.**

- **However, it should take you no more than 10 hours in total to come up with a structure to submit.**

2. FORMATTING

These instructions are partly required to ease the transition to a browser interface in your fourth assignment. Please, read carefully.

- For this assignment, we require you to only provide us with the main facets and the first 3 subhierarchical levels in your classification. This means that if one of your facets goes into more detail than 3 hierarchical levels, we only want you to submit the first 3.
- If some of your facets have less than 3 subhierarchical levels, you will submit as many as you have.
- For one of the facets with more than 3 hierarchical levels, we would like you to elaborate **one path** down to **one leaf node**.

- Every descriptor (node) in the classification from a top level facet down to the leaf node needs to have a **unique name**.

- Your classification should be an Excel file in the format of:

main facet a 1st sublevel a 2nd sublevel a 3rd sublevel a ... leaf node a
main facet a 1st sublevel a 2nd sublevel a 3rd sublevel a ... leaf node b
main facet a 1st sublevel a 2nd sublevel a 3rd sublevel b ... leaf node a
....
main facet z 1st sublevel z 2nd sublevel z 3rd sublevel z ... leaf node z

Here is an example for a “Recipe” database:

Main Ingredient	Liquids	Non-Alcoholic	Juice	Raspberry Juice
Main Ingredient	Liquids	Non-Alcoholic	Juice	Blackberry Juice
Main Ingredient	Liquids	Alcoholic	Wine	White Wine
Main Ingredient	Solids	Vegetables	Lettuce	Iceberg Lettuce
Main Ingredient	Solids	Meat	Pork	Pork Chops
….				
Cuisine	European	Mediterranean	Italian	Roman
Cuisine	European	Mediterranean	Spanish	
Cuisine	European	Nordic	Swedish	
Cuisine	Asian	…		
…				
Occasion	Spring	Easter		
Occasion	Spring	Spring Picnic		
Occasion	Summer	Forth of July		
Occasion	Fall	Thanksgiving		
…				

Again: for this assignment, we only would like you to submit the black descriptors, the gray nodes can be added later.

3. SUBMISSION REQUIREMENTS

By Thursday, September 19, send an email to is202-ta@sims.berkeley.edu with the URL to your Assignment 3 Web Page. Your Assignment 3 Web Page should include:

- Description of rationale for classification
- Link to Excel file with classification