

SIMS 202 PHONE PROJECT – ASSIGNMENT 6

Metadata Consolidation

October 21, 2003

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1. INTRODUCTION

In Assignment 4, your project group created a metadata framework that was not only appropriate for your application but was also reusable by other applications. 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 is as reusable as possible.

All project group classifications will serve both as a 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 your assigned facets.

Note that this assignment has several milestones:

- Decision-making session – October 23 (in class)
- Facet Design Group Formation – October 23 (11:00 pm)
- Consolidated Classification (Draft) – October 30 (before class)
- Consolidated Classification (Final) – November 4 (before class)

2. DECISIONS (IN-CLASS SESSION OCTOBER 23, 2003)

The class meeting on Thursday, October 23, will be used as a brainstorming and decision-making session. As a class, you will select (1) the application to be

implemented for Phase II of the Phone Project and (2) the high-level facets to be used for the consolidated classification.

More detailed information is provided below about each decision that needs to be made. Also provided are preparatory steps that you can follow before Thursday's class session to help you make each decision. **These preparatory steps are to be carried out individually, not as a project group.**

2.1 PHASE II APPLICATION SELECTION

As a class, you will vote for an application to be implemented by a group of class volunteers for Phase II of the Phone Project.

Anyone from class can pitch an application idea. The idea can include, but need not be limited to, the application ideas developed by each project group. To pitch an idea, you must prepare a 3-minute speech arguing the merits and feasibility of the application.

While thinking about potential applications, consider important factors such as:

- Functionality – Does it facilitate mobile media and metadata creation, sharing, and reuse?
- Timeline – Can it be developed within the one month timeframe?
- Usability – Will it be usable despite phone interface limitations and network latency?
- Feasibility – Can it be implemented as an XHTML browser application with a Java server backend?

On Thursday, the class will hear application proposals for Phase II and vote on which application to pursue.

Preparatory Steps:

1. Think of an application you would like to pursue for Phase II.
2. Prepare a 3-minute speech arguing the application's merits and feasibility.
3. Be ready to argue your application idea in class.

2.2 FACET SELECTION

As a class, you will also decide the top-level facets of your consolidated classification.

We have pooled similar project group top-level facets together into facet containers (e.g., one containing facet names like "Person" and "People"). 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 fall under?
- Should this facet be eliminated altogether?

You can also propose other solutions for consolidation or renaming facets.

The table below shows the top-level facets for each project group. Each row in the table denotes a facet container.

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7
MonkeyBotster	Wish List	Lunchmeister	Cajun Sunshine/ DARE	Pizzicato Six	House Buddies	Recreation Evaluation Interface (REI)
ACTIVITY		ACTIVITY	ACTIVITY	ACTIVITY	ACTIVITY	ACTIVITY
LOCATION	PLACE	LOCATION	LOCATION	LOCATION	LOCATION	LOCATION
PERSON	PERSON	PERSON	PEOPLE	PERSON	PERSON	
		OBJECT	OBJECT	OBJECT	OBJECT	
CONTEXT EVENT		EVENT				
SUBJECT	SUBJECT					PHOTO SUBJECT
	TIME	TIME				
		ATTRIBUTE	ATTRIBUTES			
		IMAGE PROPERTIES				FRAME STYLE
			PHOTO CAPTURE			PHOTO ORIGIN
CONTEXT GROUP						
			GAME			
	PURPOSE					
						CONDITIONS ENVIR. DIFFICULTY
						DIFFICULTY CLASSES
						USER EXPERIENCE

On Thursday, the class will select the main facets for the consolidated classification.

Preparatory Steps:

1. Review the facet containers provided in the table.
2. For each facet container, answer the 4 decision-questions previously outlined.

3. Be ready to argue your facet decisions in class.

2.3 PHASE II VOLUNTEERS

Phase II of the Phone Project involves the implementation of an application that facilitates the creation, sharing, and reuse of mobile media and metadata. It will consist of the following main phases: Specification, Design, Build, Test, and Rollout. The entire effort should take approximately 1 month and will begin this week. Upon rollout, the entire class will be expected to try to use the application.

Participation in Phase II of the Phone Project is voluntary. Volunteers will work with the current MMM research and development team and receive extra credit points for participation. Project opportunities include but are not limited to:

- Drafting application specifications
- Designing application functions and features
- Prototyping
- Coding
- Creating and executing test plans
- Deploying and supporting the application
- Drafting user and developer manuals

On Thursday, the teaching team will ask for volunteers to participate in Phase II of the Phone Project.

Preparatory Steps:

1. Think about whether you would like to participate in Phase II of the Phone Project.
2. Decide on which of the project opportunities listed above you are interested in. You can participate in as many activities as you like.

3. CONSOLIDATED CLASSIFICATION – DRAFT (DUE OCTOBER 30, 2003)

After the main facets have been decided, you will form new Facet Design Groups. Each Facet Design Group will be responsible for creating a classification hierarchy for one of the high-level facets by consolidating work done by all project groups.

In addition to the Facet Design Groups, there will also be a Facet Oversight Group. This group will be responsible for overseeing and facilitating communication and coordination across the various Facet Design Groups.

3.1 FACET DESIGN GROUP FORMATION

Each project group should decide which Facet Design Group each member will participate in. No two members of the same project group can belong to the same Facet Design Group. Each member should belong to **exactly one** Facet Design Group. The aim is to have a representative in each Facet Design Group. You must make sure to assign someone to the Facet Oversight Group.

Each project group should send an email to is202-ta@sims.berkeley.edu **by 11:00 pm on October 23** listing each member and his/her corresponding Facet Design Group.

Facet Design Group membership will be posted on the phone project website **by 12:00 noon on October 24**.

3.2 CONSOLIDATION TASK

Coordinate with your Facet Design Groups to schedule your facet design meetings.

In your Facet Design Group, use the existing classifications from all 7 project groups to create a consolidated facet hierarchy. Apply everything you have learned in Assignment 4.

If during the consolidation process, you find that your group has to communicate with other Facet Design Groups, notify the Facet Oversight Group. The Facet Oversight Group should bring together the appropriate Facet Design Groups and facilitate coordination and communication between the two to bring about a final resolution. The Facet Oversight Group is responsible for overseeing the development and ensuring the consistency of the consolidated classification. Some cross-Facet-Design-Group issues might include:

Overlapping Facets

You think that your facet overlaps with another facet or another Facet Design Group might incorporate some of the same sublevels you plan to use.

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. You need to make sure that the new top-level facets do not overlap with those of other Facet Design Groups.

Transferring Sublevels to another Facet

You think that your design requires that a sublevel be transferred to a facet belonging to another Facet Design Group.

3.3 SUBMISSION REQUIREMENTS

The Facet Oversight Group should coordinate the creation of **one** Excel spreadsheet that will contain the **entire consolidated classification**. The deliverable should follow the same guidelines and format outlined in Assignment 4.1 (sections 2 and 3) and the handout entitled “Metadata Guidelines”.

One member of the Facet Oversight Group should submit an e-mail to is202-ta@sims.berkeley.edu by **October 30 (before class)** with the Excel spreadsheet attached.

4. CONSOLIDATED CLASSIFICATION – FINAL (DUE NOVEMBER 4, 2003)

The teaching team will review the consolidated classification and give feedback in a meeting with the Facet Oversight Group and any interested members of the Facet Design Groups. Each Facet Design Group should revise its facet classification hierarchy to incorporate the feedback received.

The Facet Oversight Group should again coordinate the creation of **one** Excel spreadsheet that will contain the **entire revised consolidated classification**.

One member of the Facet Oversight Group should submit an e-mail to is202-ta@sims.berkeley.edu by **November 4 (before class)** with the revised Excel spreadsheet attached.

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