Mashups

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December 4, 2006
Outline

• Demonstrate several examples of mashups
• Dissect them to show how they work
• Discuss a general approach to understanding and creating your own mashup.
• We will make good use of concepts around XML and Web services in doing so.
How I look at mashups

• From my “Mixing and Remixing Information” outline:
  – This course focuses on employing XML and web services to reuse or "remix" digital content and services. Students will learn practical tools and techniques to recombine personal information through hands-on explorations and projects.

• From the Wikipedia:
  – A mashup is a website or web application that seamlessly combines content from more than one source into an integrated experience.
Mashup Examples

- Google Maps in Flickr: http://webdev.yuan.cc/gmif/
- Library-oriented examples: http://raymondyee.net/wiki/PracticalGuideToRemixingTheLibraryTalk
- Scholar's Box ( http://www.raymondyee.net/wiki/ScholarsBox )
Mixing and Remixing Information Course

- Project-oriented
- Open House last day to show off work
- Most days: 45 minute lecture/Q&A; 45 minutes lab
- Some guest lecturers
Project Gallery...and more

• What the class did last year:
  http://www2.sims.berkeley.edu/academics/courses/is290-4/s06/ProjectGallery.html

• Interested?  Sign up for Spring 2007:
  – 290-4
  – Time: MW 12:30-2
  – CCN: 42817 (3 units)
  – http://www.ischool.berkeley.edu/programs/courses/s07
Conceptual flow of the course

1. What can be done with no programming ->
2. Programming of one system (through its API) ->
3. Figuring out how to combine 2 or several systems ->
4. Creating "service composition frameworks" for combining arbitrary systems.
Part I : Remixing Without Programming

- Book: *Pro (Web 2.0) Mashup Development: Remixing data and services to make the web your own* for Apress.
- Chapter 1: Looking at Flickr, Delicious, Google maps, and Amazon.com and Google Maps as end-user tools
- Chapter 2: Tagging and Folksonomies
- Chapter 3: RSS and Atom and syndication; integration with news readers
- Chapter 4: Integration with Weblogs and Wikis
Part II: Remixing a single web application: using its API

- Chapter 5: Learning XML Web services APIs through Flickr
- Chapter 6: Other XML Web Services APIs
- Chapter 7: Learning AJAX/Javascript widgets and their APIs
Part III: Remixing several applications

- Chapter 8: Dissecting mashups and remixes
- Chapter 9: Creating Mashups of Several Services
Part IV: Remixing arbitrary applications

- Chapter 10: Service Composition Frameworks
- Chapter 11: The Quality and Remixability of APIs
Part V: Special topics

- Chapter 12: Online Maps and Google Earth
- Chapter 13: Social Bookmarking and bibliographic systems
- Chapter 14: Online calendars and Event Aggregators
- Chapter 15: Online storage
- Chapter 16: Office Suites (ODF vs Microsoft OpenXML)
- Chapter 17: XML, RDF, microformats
- Chapter 18: Search
Feel free to contact me....

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