

Mashups

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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://raymondye.net/wiki/PracticalGuideToRemixingTheLibraryTalk>
- Scholar's Box (
<http://www.raymondye.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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