

# 5550 - Mashups

end user

- 1. Programming Environments**
- 2. User Interfaces**

developer

- 3. Data Formats**

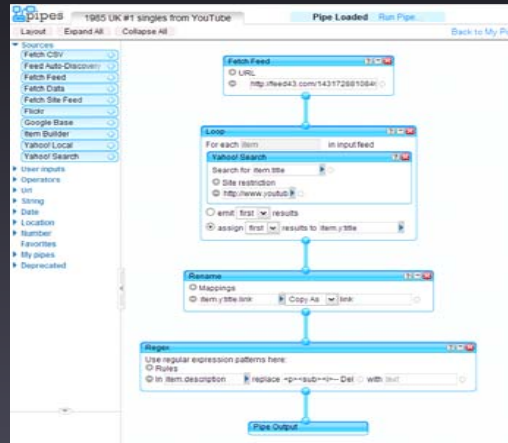
global

- 4. Mashup Scopes**
- 5. A Taxonomy of Mashup Services**

# 1. Programming Environments/Tools



popfly



yahoo pipes



dapper

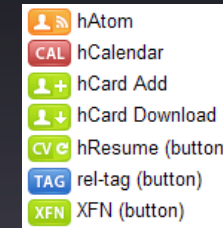
- what is available
- common features / differences
- programming paradigms

## 2. User Interfaces for Mashups

- UI engines
  - browser (addons)
  - widgets
  - standalone
    - mashup engine
    - general purpose (eg. spreadsheets)
- interfaces
  - ui description
  - to data
- strengths / weaknesses

## 3. Data Formats

- what is available
  - atom/RSS, HTML, XML, JSON, CSV, text, ...
  - microformats and APIs (hCard, google maps, ...)
- what is required
  - survey of some popular mashup engines
- format conversion
  - tools and services (eg. feed43, HTML -> XML)
  - XSLT



## 4. Mashup Scopes

Enterprise -- corporate databases

Web -- internet sources

Local -- personal sources

- comparison
  - special qualities
  - web is full of mashups, but what about other scopes ?
- how to mash them up
  - engine support
  - data formats
  - APIs

## 5. A Taxonomy of Mashup Services

- categorization
  - ways to group mashups
- top level
  - spatial / temporal / other dimension
  - topic or genre
  - API architecture (REST / RPC)
  - ...
- sublevels
- what is the current distribution
- [www.programmableweb.com](http://www.programmableweb.com)

