



Collaborative Development Group

# Colibrary:

## A Web Mashup for Social Libraries

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20/04/2009

Workshop on Mashups, Enterprise  
Mashups and Lightweight Composition  
on the Web (MEM 2009)



# Motivations

- Social Web
  - Plenty of user generated content available for web mashups
- (Almost) No API for retrieving social information
  - Content generated by users is locked in every single *social* application



## The Social Libraries Context

- Digital libraries on the web that exploit the role of users by
  - Fostering active participation
  - Encouraging feedback among participants
- Some Examples
  - LibraryThing
  - Anobii
  - Bibsonomy
  - CiteULike

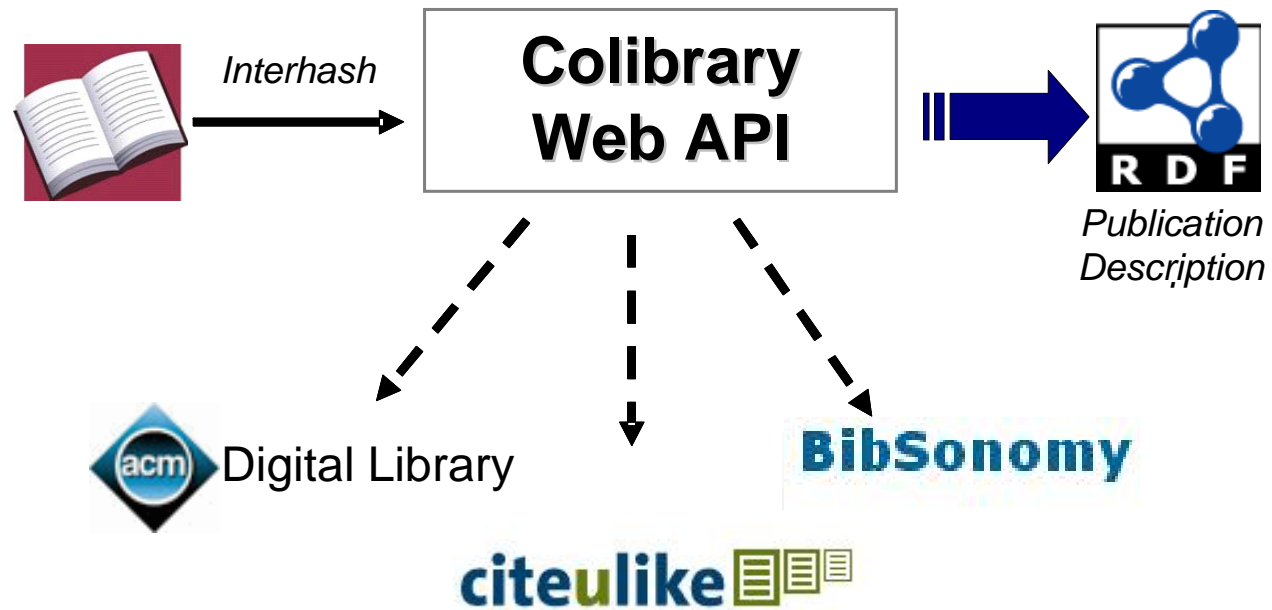


## Goal of our mashup

- Provide a Web API to reuse content in the digital library domain
  - Other applications can exploit different types of information about books and publications
  - Users of social libraries can share information beyond a single web site



# System Overview



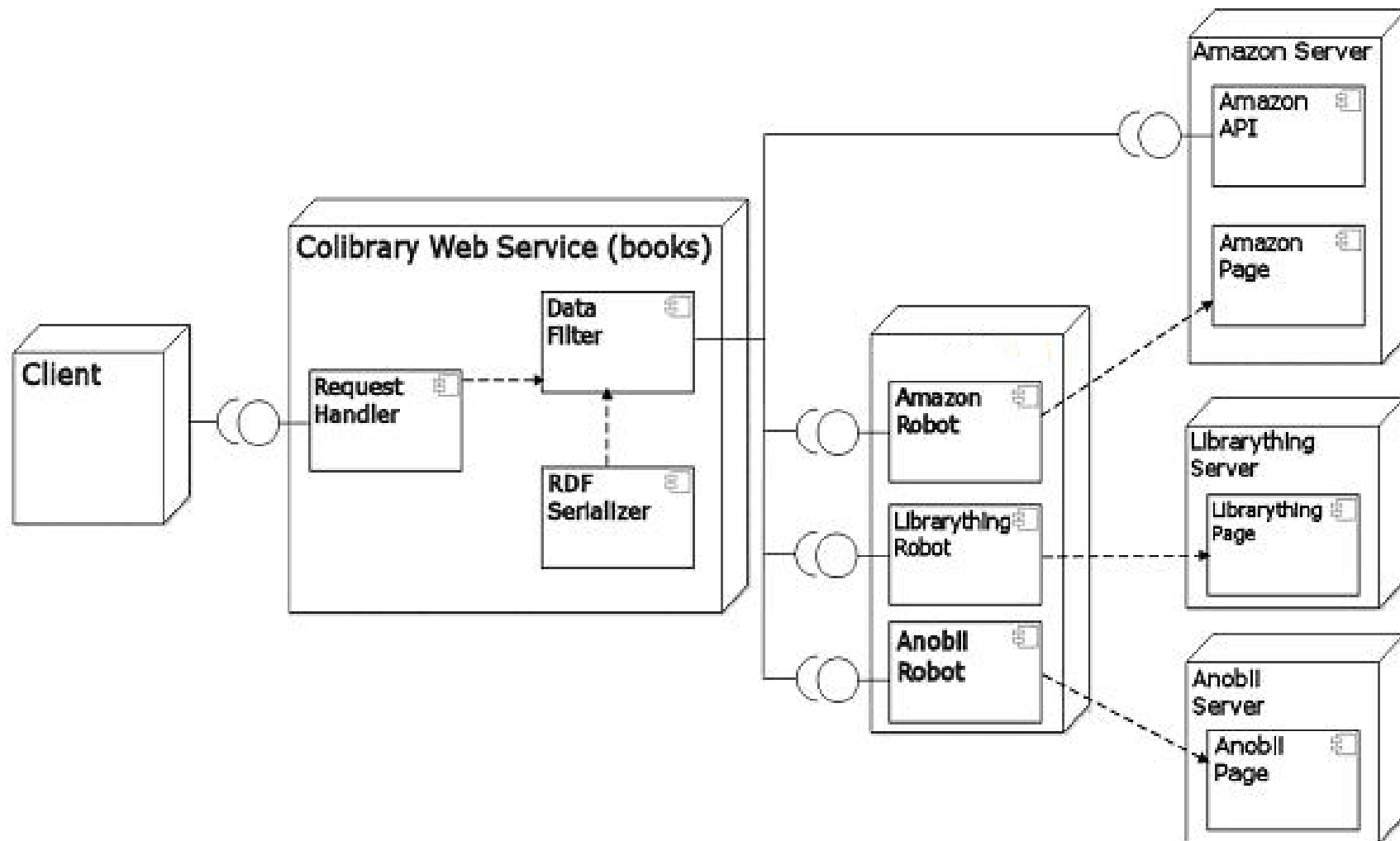


## Main features

- RESTful Web API
  - Unique identifier for a resource
    - ISBN for books
    - Interhash for publications
  - Combination of bibliographic and social information
  - Linked data as output of the service
- Web client
  - Browsing output of the mashup through a classic web-based interface



# Architecture





## Live Demo

# COLIBRARY

Books

Scientific Publications

Search for bibliographic information *i*

Search Book

Reset

Search for social information *i*



## Current Direction

- Web API available @
  - <http://collab.di.uniba.it/Colibrary/books/doc.html>
  - [http://collab.di.uniba.it/Colibrary/books/doc\\_pubs.html](http://collab.di.uniba.it/Colibrary/books/doc_pubs.html)
- Web client @
  - <http://collab.di.uniba.it/ColibraryClient/>
- Exploratory case study using semi-structured interviews conducted with seven users of the Anobii community



## Future Direction

- Providing a scalable service that enables third-party applications to make reference to our RDF data
- Interlinking output of Colibrary with other Linked Data sets
- Conducting a controlled experiment with real users of social libraries



# Thank you

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