



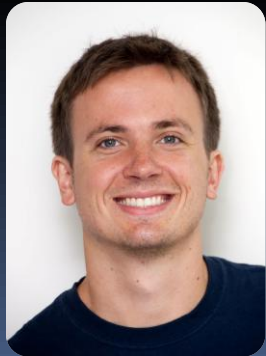
ANNUAL MEETING

Social Computing in the Ensemble Pathway



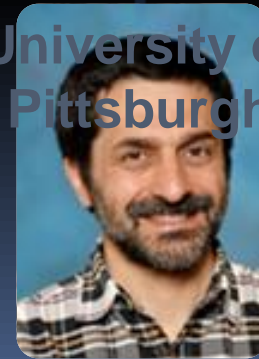
**DAN
GARCIA**
UC Berkeley

**LUKE
SEGARS**
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**PETER
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University of
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Ensemble Computing Pathway

- Goal: a unifying site for the computing education community
- Team Effort!
 - UC Berkeley, Villanova, Virginia Tech, Portland State, Texas A&M, University of Pittsburgh
- Features
 - Content
 - Tools
 - **Communities**



ensemble

Ensemble Communities



ANNUAL MEETING

- Support for groups doing shared work
 - Content uploading
 - Commenting
 - Rating
 - Tagging
 - Forums
 - ...
- A meeting and work place independent of parent organizations





User Participation

*“How can we
encourage & reward
users to help us
build and sustain
a great site?”*



Social Navigation

*“How can we display
what users have done
to help
navigate
a great site?”*



User Participation

*“How can we
encourage & reward
users to help us
build and sustain
a great site?”*

Wow.







1%
Creators



9%
Editors



90%
Viewers



Social Computing in the Ensemble Pathway

www.computingportal.org



Badges

As you use Stack Overflow to ask and answer questions, you'll earn badges, which appear on your user profile and in your user card.

- Altruist** × 201 First bounty you manually awarded on another person's question
- Announcer** × 57 Shared a link to a question that was visited by 25 unique IP addresses
- Autobiographer** × 35259 Completed all user profile fields
- Benefactor** × 3974 First bounty you manually awarded on your own question
- Beta** × 2586 Actively participated in the Stack Overflow private beta
- Booster** × 8 Shared a link to a question that was visited by 300 unique IP addresses
- Citizen Patrol** × 7386 First flagged post
- Civic Duty** × 6004 Deleted 300 or more times
- Cleanup** × 4811 First rollback












Sarah Sanderson
Senior Vice President

Prumb-Wholesale.com

Creator



- 15 pts**  Leave 20 comments on other people's work.
- 10 pts**  View 100 different pieces of content.
- 5 pts**  Author of the Month
- 4 pts**  Group Builder
- 2 pts**  Event Planner
- ▶ more activities



Positive actions earn **badges**
Badges accumulate into **roles**
Roles progress through **ranks**



We'd love feedback!
lukes@eecs.berkeley.edu





Social Navigation

*“How can we display
what users have done
to help
navigate
a great site?”*



A Social Place

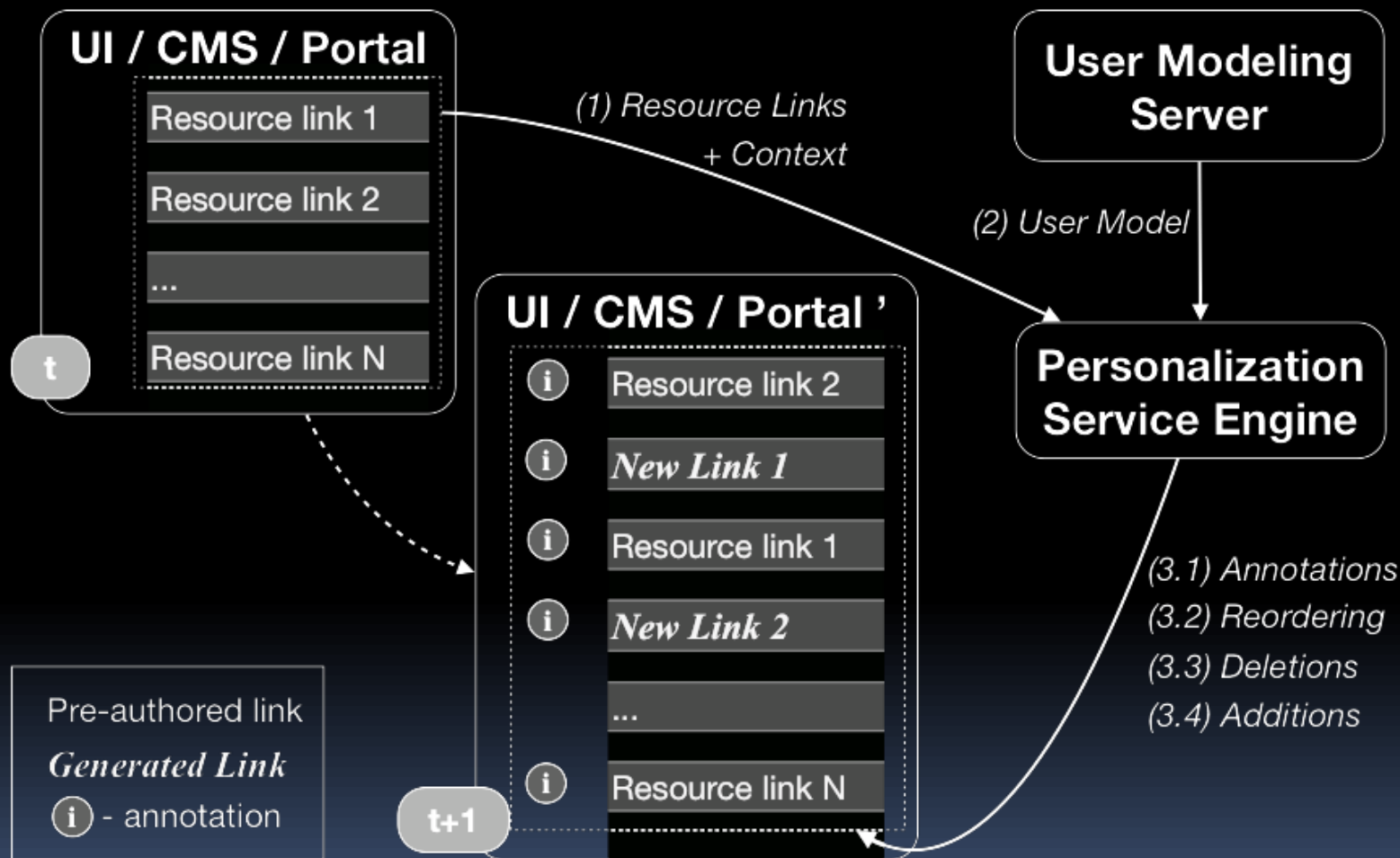
- An academic library is a social place
- Where people go?
- Which are currently read books?
- Which books are checked out often?
- Which pages are important?
- Which books would suite my interests?

Social Information Access Techniques

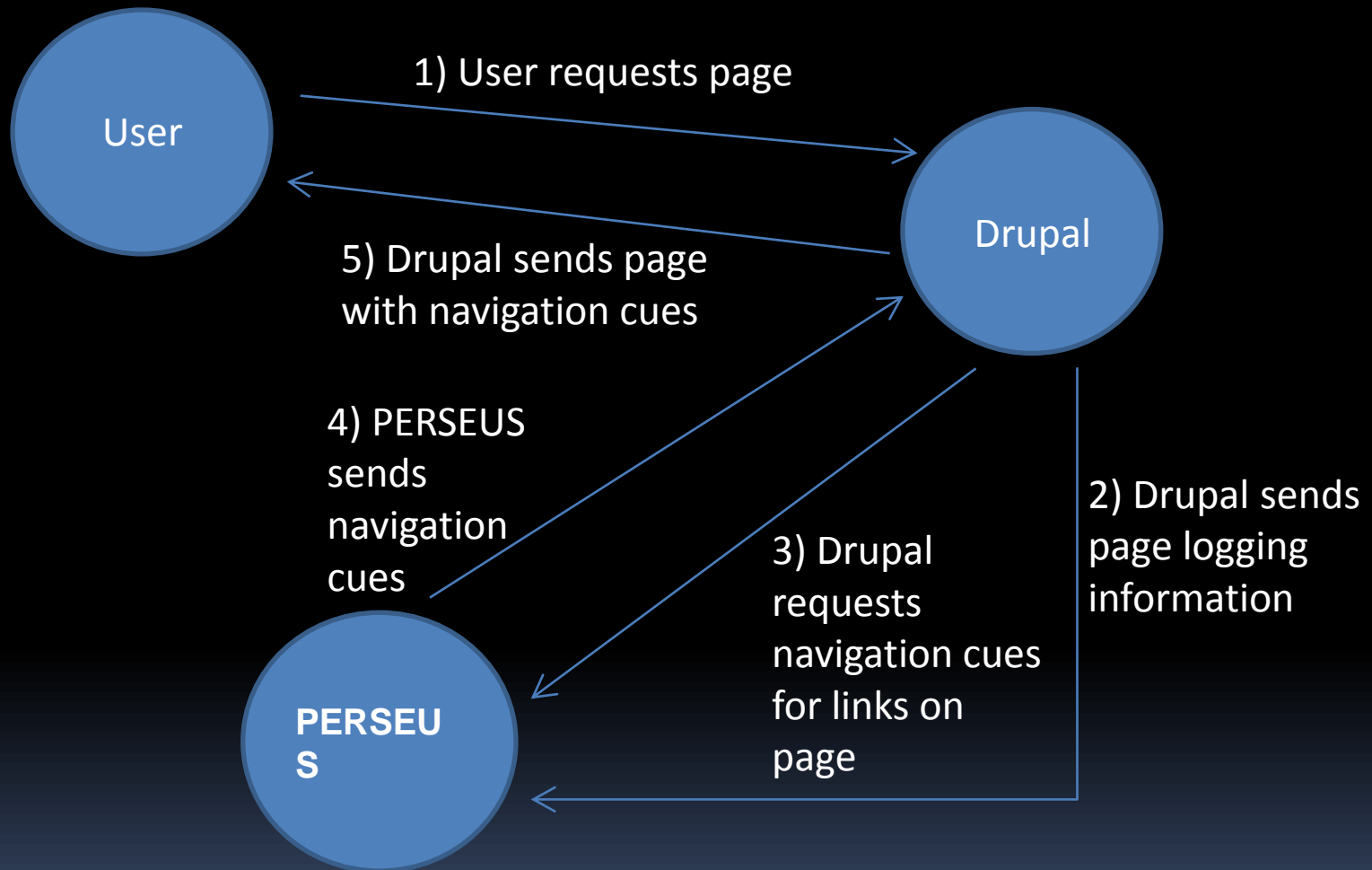
- Supporting social navigation requires gathering, processing, and applying information about user activity
- Three aspects
 - which kind of past user behavior it collects
 - how these traces are processed to form "community wisdom"
 - how this wisdom is used to help DL users
 - how the information is used to enhance the user experience



Service-Based Social Navigation



Implementation in Drupal



Which Behavior?

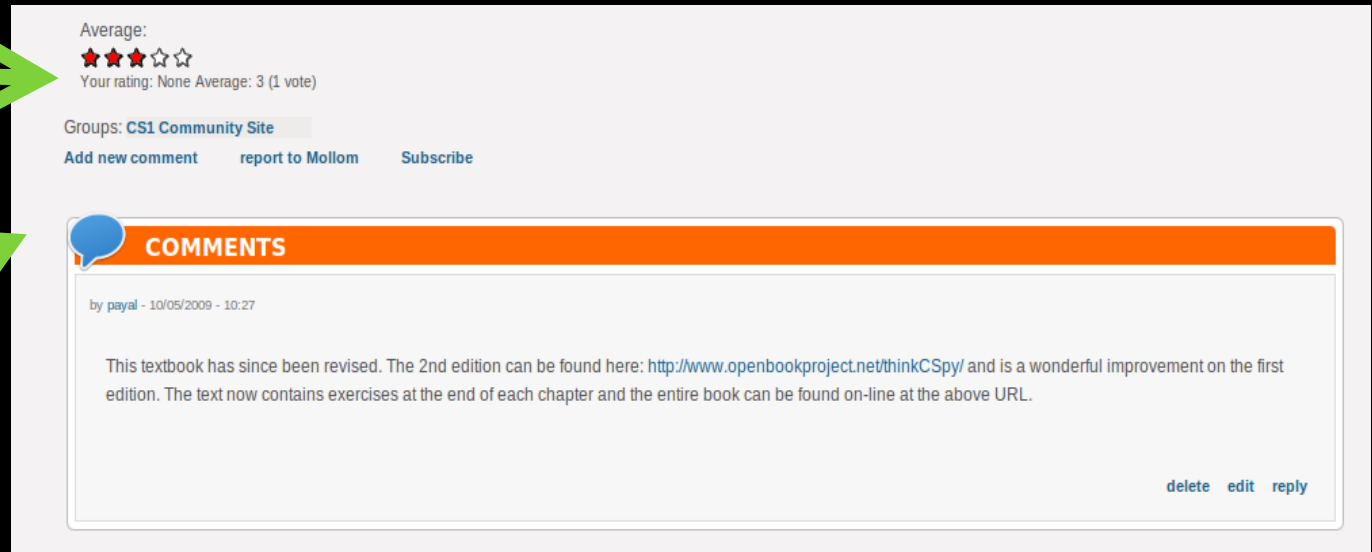
- Clicks and reading time
- CRT
 - Comments
 - Ratings
 - Tags
- Decomposition
- Composition

CRT in Ensemble

Rate

(using Fivestar module)

Comment



Average: ★★☆☆☆
Your rating: None Average: 3 (1 vote)

Groups: CS1 Community Site
Add new comment report to Mollom Subscribe

COMMENTS

by payal - 10/05/2009 - 10:27

This textbook has since been revised. The 2nd edition can be found here: <http://www.openbookproject.net/thinkCSpy/> and is a wonderful improvement on the first edition. The text now contains exercises at the end of each chapter and the entire book can be found on-line at the above URL.

delete edit reply

Software Resources/ Programming Environments (IDEs)

- Alice
- BlueJ
- DrJava
- DrScheme
- Eclipse
- Greenfoot
- IDLE
- JBuilder
- JCreator
- jGrasp
- Microsoft Visual Studio
- NetBeans
- Phrogram
- Scratch

Tags:

A comma-separated list of terms describing this content. Example: funny, bungee jumping, "Company,"

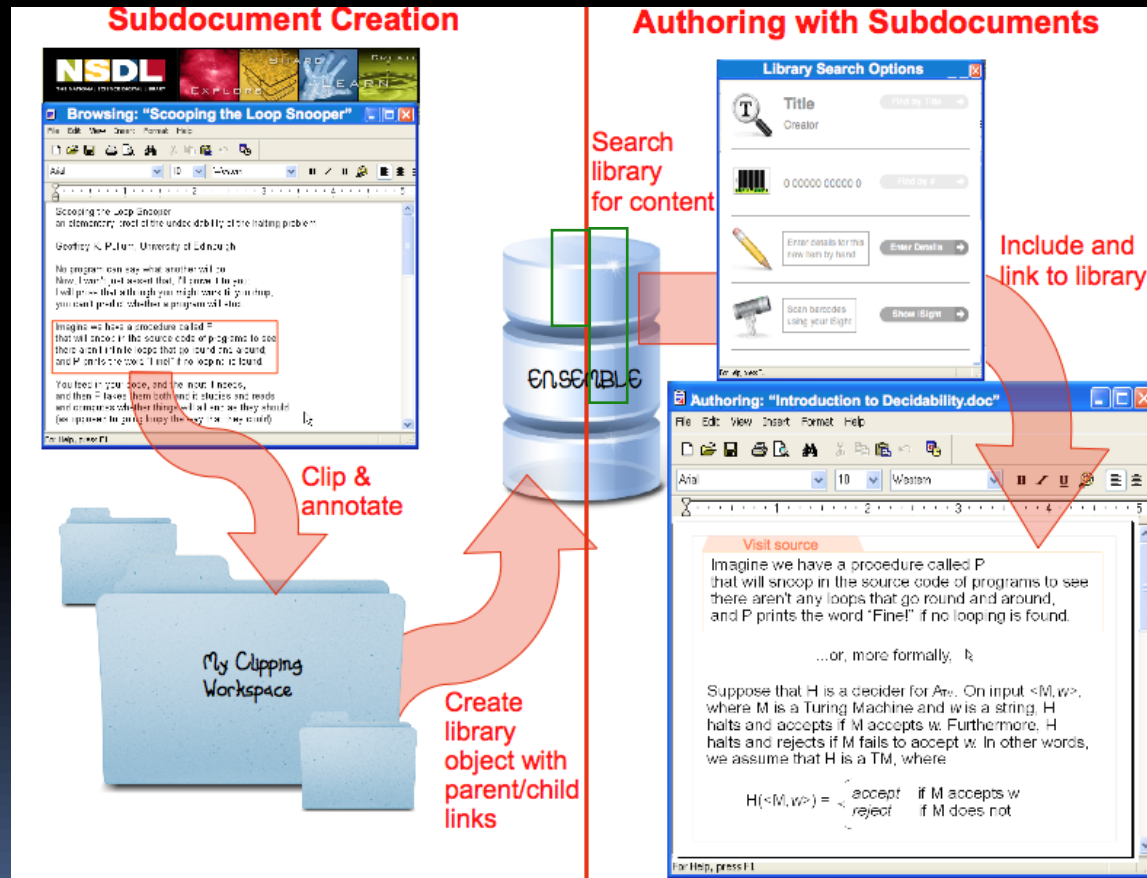
Tagging

Controlled vocabulary

Free-form

Subdocuments

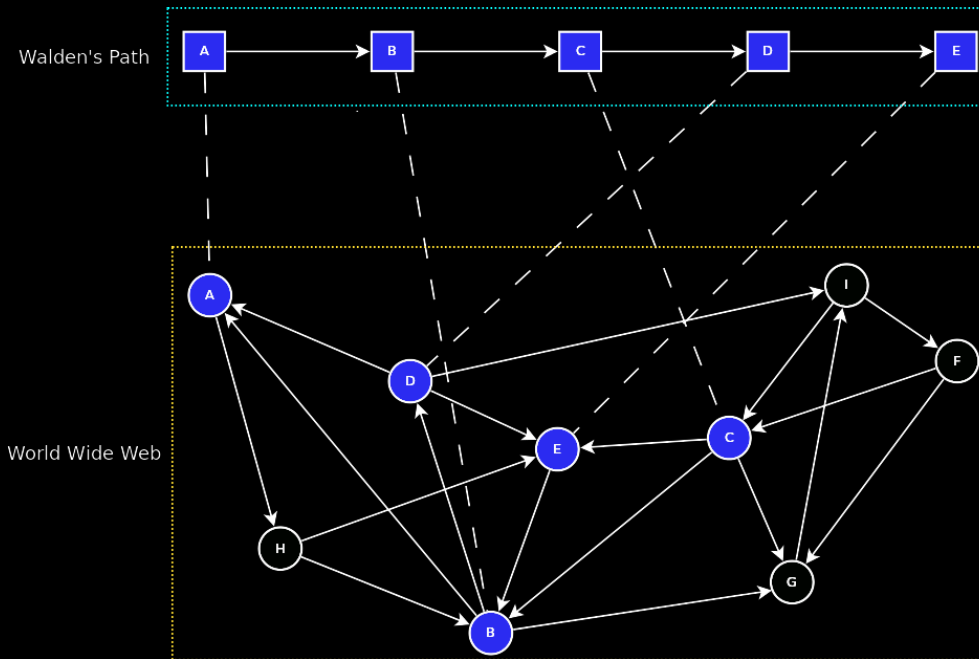
Extracting a part of an object and remixing it with other parts, possibly of other objects, supports reuse and new object creation as well as creating a social footprint



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Composition : Paths



- A Walden's Path is an enclosing structure that defines a sequence of Web pages with annotations.
- This enables creation of a narrative structure while maintaining connection to the original resources.
- Just as selection of sub-elements of resources supports creativity, joining resources provides another option in new object creation

Where Are We?



- Traffic-based social navigation
 - fully implemented and being used by the portal
- Comments, Ratings, Tags
 - information is collected in the log, used for badges, work on using it for social navigation
- Decomposition and Composition
 - working on the logging part

