

WEB SYSTEMS DEVELOPMENT FINAL PRESENTATION

Andrew Karnani, Drew Kessler,
Lindsay Poirier, Daniel Souza

What's wrong with Morning Mail?

- Users lack interest since many of the articles that are presented do not pertain to them

THE SOLUTION:

Morning Mail Recommender Service

- Service to recommend articles to users based on which articles they previously viewed

Our Service Features

- Stylish, clean user interface
- CAS authentication and functionality for non-authenticated users
- Option for recommended articles
 - User clustering
 - Keyword generation
-

How does it work?

- Recommendations:
 - Users clicks are tracked
 - Users are clustered based on the keywords of the articles he or she clicked on
 - The most Popular/Recent articles from the cluster are suggested to the user

How does it work?

- Keyword Generation:
 - Read the (tagless) text of the target articles.
 - Determine (up to) 10 most significant keywords (based on past articles)
 - Update database with new keywords.
- Update keywords nightly/weekly:
 - Update keywords based on new articles seen.

Who did what?

- Drew Kessler
 - Jaccard Distance
- Andrew Karnani
 - Keyword Generation
 - Click Tracking
 - Javascript
- Lindsay Poirier
 - Design
 - CAS Authentication
 - Cookies
- Daniel Souza
 - Database
 - Structure
 - SQL
 - Clustering
 - Article Gathering

Live Demo

Morning Mail Recommender

RENSSELAER POLYTECHNIC INSTITUTE - Troy, NY, USA

Login

Latest

Recommended

[Student Health Center to Offer Free Staff/Faculty Safe Zone Training](#)

Thursday, May 12, 2011 3:00 PM - 5:00 PM Where: Student Health Center Academy Hall Description: The RPI Safe Zone Training is an awareness training that addresses the concerns of the lesbian, gay, bisexual, transgender, queer, and ally (LGBTQA) community. This interactive training addresses a variety of topics, including how to assist someone who is coming out, and concludes with a panel of LGBTQ students on the RPI campus who share their coming out stories and experiences. RSVP required. Email Tara Schuster: schust@rpi.edu Contact: Student Health Center 518-276-6287

[From the Albany Times Union: Ferrucci, RPI Grad, Named IBM Fellow](#)

Rensselaer Polytechnic Institute graduate David Ferrucci -- best known for creating IBM's Watson computer that became a Jeopardy champion -- has become an IBM Fellow, one of the company's most prestigious honors.

[Instructors Encouraged to Request Summer 2011 A/V Classroom Equipment Now](#)

To ensure equipment and support for the first day of classes, all RPI instructors who are planning to teach for Summer 2011 -- Summer I, Summer II and Summer III -- should begin reserving their classroom audio-visual equipment by filling out MultiMedia Services' on-line request form.

[#RPInews](#)

RT @AcademicMinute: #academicminute Listen to Prof. Jim Hendler of RPI explain the new field of Web Science. <http://bit.ly/mztIPN8> @RPIne ...

[11th Annual Rensselaer Colloquium on Teaching & Learning \(Day 2\)](#)

Recently Viewed

RPInews
Graduate Students Sweep 201...
Men's Hockey to Aide Childr...
The Approach: Neat and Nano...
Rensselaer Carpooling Servi...