CSC4000W 2007

Internet Interoperability

Programming Assignment

Due: Thursday 23 August, 10am (to be demonstrated during lecture)

Instructions

Facebook (http://www.facebook.com/) is a social networking website where individuals can create links among themselves to form communities, while each maintaining a personal website. Facebook is arguably the most used social networking system, although its usefulness is limited for many people. The aim of this assignment is to provide Facebook with functionality that will increase its usefulness for researchers, by developing an add-on application using the Facebook API for this purpose.

Your application must allow a researcher to list his/her publications within Facebook, with appropriate links to other researchers, online copies, publishers, etc. Just as Facebook allows a photo to be annotated with the list of people on it, your application should allow linking of research.

For example:

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Publications

Suleman, H. (2006). Parallelising Harvesting, in S. Sugimoto, J. Hunter,
A. Rauber and A. Morishima (eds): Proceedings of 9th International
Conference on Asian Digital Libraries (ICADL 2006), 27-30 November,
Tokyo, Japan, Springer-Verlag, pp. 81-90. ISSN: 0302-9743. ISBN: 978-3-
540-49375-4.

Suleman, H., G. Marsden and F. Feng (2006). Customising Interfaces to
Service-Oriented Digital Library Systems, in S. Sugimoto, J. Hunter, A.
Rauber and A. Morishima (eds): Proceedings of 9th International
Conference on Asian Digital Libraries (ICADL 2006), 27-30 November,
Tokyo, Japan, Springer-Verlag, pp. 503-506. ISSN: 0302-9743. ISBN: 978-3-
540-49375-4.

Suleman, H., and S. Mhlongo (2006). A Flexible Approach to Web Component
Packaging, in Judy Bishop and Derrick Kourie (eds): Proceedings of Annual
Research Conference of the South African Institute of Computer Scientists
and Information Technologists (SAICSIT 2006), 9-11 October, Somerset
West, SAICSIT, pp. 257.266. ISBN: 1-59593-567-3.
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Metadata for the publications may be entered by hand, or, preferably, gathered using the interoperability interfaces of suitable publication repositories, e.g., SRU, OAI-PMH. Thus, if a user chooses a repository or enters a URL, the system can list possible

publications to make the process faster and reduce errors. You should test your application using the UCT-CS Research Document Archive (http://pubs.cs.uct.ac.za/)

You may use any programming language, server technology and Facebook toolkit. You may work in groups of up to 3 persons.

Please do not submit your application officially to Facebook (at least until after the assignment is over).

Marking Guide

Working Facebook application (add application, index page on apps, links in profile, portlet to list entries, ability to add/edit entries): 40%
Linking to internal and external resources: 20%
Use of OAI-PMH/RSS/SRU to locate resources: 25%
Creativity (invitations, research groups, etc.): 15%