

Big Brother

From Nointrigue

This is a copy (with modified links) of <http://wiki.vislab.usyd.edu.au/moinwiki/BigBrother>.

Develop a indexing/logging/query/retrieval system for ViSLAB-style collaborative resources (such as blog, wiki, SVN, Jabber). Design should be extensible particularly to support the ShutUp producer-consumer paradigm. So basically, this system is a bit of a leech that feeds on available streams and that you can squeeze data out of later on in a some meaningful way.

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People

Supervisors:

- Masa Takatsuka (<http://www.cs.usyd.edu.au/~masa/>)
- James Curran (<http://www.cs.usyd.edu.au/~james/>)

Researchers:

- Enoch Lau
- Daniel Tse

Final Documents

Browse: docs:vislab/bigbrother

Source code

Get it here: bigbrother.tar.gz

License

12/08/2009

Big Brother - Enoch Lau's wiki

- The tarball contains Lucene and Neutron Jabber bot, so the following statement does not apply to those.
- The source code written by us is licensed under the GPL.

Requirements

- Java 1.5
- Python 2.4 or greater to run the bot
- The IDE used was NetBeans 5.0, although it can be compiled using Ant

Instructions

- Compile using NetBeans or running Ant with the "compile" target
- cd into the build/classes directory
- To run the indexer (note Windows conventions here): `java -cp ..\..\lib\lucene-core-2.0-rc1.jar; .\intrepix.bigbrother.BBIindexer`
 - Supply the -R argument to reindex (use this when running it for the first time)
- To run the client: `java -cp ..\..\lib\lucene-core-2.0-rc1.jar; .\intrepix.bigbrother.client.SimpleClient <computer name>`
 - Note that you cannot supply 127.0.0.1 or localhost as it only binds to <computer name>
- Help is available at the command line interfaces by typing "help"
- Readers can be invoked using the `invoke.sh` script.

Documentation

- Report 1: pdf doc
- Report 2 (supercedes rather than complements Report 1): pdf doc
- Presentation: pptx pdf

Assessment

This should include:

- Literature review
- System design
- Implementation (with process documentation)
- Experimentation/Results
- Technical Report (?)
- Presentation

Timetable:

- Week 7 Presentation and Literature Review/System Design (30%)
- Week 12 Project Report (20%)
- Week 13 Presentation (20%)
- Week 13 Code/project submission (20%)
- Throughout: blog and wiki updates comprise the final 10%

Working Pages

- /Usage - what problem do we seek to solve? how will the user interact with the system?
- /Questionnaire - a questionnaire to get information about what people really want
- /Questionnaire Results - how do users use the existing combination of systems and what do they want changed?
- /System Design - how do the components of the system fit together? some evaluations and reasoning behind the system design
- /Lucene Usage - how to use Lucene
- /Reader Conventions
- /B2evolution - how to retrieve information from b2evolution
- /SVN - the SVN source
- /Literature - links, papers, summaries
- /Future Directions - possibilities for expansion

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