The Open Source Software Development Process in the Community for Informatics for Integrating Biology and the Bedside (i2b2)

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Speaker Mr. Mendis works full-time at Partners Healthcare on the i2b2 project. He has also consulted with institutions who have requested his expertise in the i2b2 platform.
WHAT IS i2b2

✓ Explicitly organized and transformed person-oriented clinical data optimized for clinical genomics research
✓ An architecture that allows different studies to come together seamlessly
✓ An integration of clinical data, trials data, genotypic data, and knowledge annotation
✓ A portable and extensible application framework
Open-source software (OSS) is computer software that is available in source code form: the source code and certain other rights normally reserved for copyright holders are provided under a software license that permits users to study, change, improve and at times also to distribute the software.

http://en.wikipedia.org/wiki/Open_source_software
I2b2 License

- The i2b2 license is very similar to the LGPL license
- Research use Only
- Not approved or reviewed by FDA
I2b2 hive architecture

- Formed as a collection of interoperable services provided by i2b2 Cells
- Loosely coupled
- Makes no assumptions about proximity
- Connected by Web services
- Activity can be directed manually or automatically
Tools for the i2b2 Community

Shared Wiki Documentation
http://community.i2b2.org/wiki

JIRA Bug Tracking
http://community.i2b2.org/jira

Source Code Subversion Repository
http://svn.i2b2.org/svn/i2b2/trunk

Web site for i2b2 distribution and documentation
https://www.i2b2.org/software
WHY WE USE OPEN SOURCE

Freedom

Cost

Quality
Full Open Source
PARTICIPATING IN i2b2 SPONSORED PROJECTS
WORKING ON A SPONSORED PROJECT

- Review the current spreadsheet
- Select an item you want to work on.
- Log into JIRA which is http://community.i2b2.org/jira
- Enter an issue for the bug you are going to fix.
- Assign the issue to yourself.
- Keep JIRA updated throughout the development process.
- Once you are finished the final step is to update the issue in JIRA.
The i2b2 Web Client is a collection of client-side components designed as an YUI AJAX-based plug-ins that communicate with i2b2 Cells and allow the investigator to query and display the data of the hive.
Questions?