Cpr E/S E 491 May1639 Weekly Report 13

A Web-based Platform for Java Specifications

Reporting period: November 24th - November 30th
Advisor/Client: Professor Rajan (Com S)
Members: Evan Dye (Team Leader)
                       Arik Coats (Web Master, Concept Holder)
                       Robert Kloster (Communication Leader)

Weekly Summary

- The /users/{id} API query call is now operational; some optimization will be helpful.
- Advanced progress on the related discussions box.
    - Improved how searches are performed with tags.
    - Provide further ranking of posts.
- Implemented prototype of database program.
- Meeting: Evan Dye, Arik Coats, Robert Kloster, Hoan Nguyen, Prof. Rajan; November 30th 2015, 5:30 - 6pm
    - Presented progress thus far, received feedback and advice.

Goals for next week:

- Prepare for the project presentation.
- Complete the final versions of the Design Documents and Project Plans.
- Achieve progress on, if not complete, the /posts query API call.
- Improve the ranking algorithm for related discussions, perform tests by hand, and test on a larger number of methods/classes.
- Improve efficiency of database program.
- Extract source code to project database.
- Use new source code tables in database to automatically generate library structure on forum.

Name	Hours Spent	Contributions	Results
Evan Dye	12	- Implemented a ranking algorithm for related discussions. - Worked on the project website.	The related discussions box provides more relevant links than before, but still requires more effort to complete.
Arik Coats	20	- Finished implementing file traversal program for extracting source code. - Implemented prototype of program to populate database with extracted source code information.	Successfully extracted Java libraries and inserted extracted information to a local database. Tested on Java 8 and Apache Commons Collections.
Robert Kloster	12	- Finished /users query API call. - Begun /users/{ids} query API call; some bugs, but mostly finished	The basis of the query-based API calls have been established; the other query-based calls should prove to be more straightforward to implement.