Cpr E/S E 492 May1639 Weekly Report 11

A Web-based Platform for Java Specifications

Reporting period: March 30th - April 5th
Advisor/Client: Professor Rajan (Com S)
Members: Evan Dye (Team Leader)
                Arik Coats (Web Master, Concept Holder)
                Robert Kloster (Communication Leader)

Weekly Summary

- API Progress
    - Finalized design plans
    - Implemented the following on all data types:
        - Comparative conditions for int and date type variables
        - Range conditions for int and date type variables,
        - is/is_not conditions for int, bool, and date type variables,
        - Collective search conditions across all string type variables,
        - Sorting across multiple variables, of any given type.
    - Reduced the number of distinct API calls to 6; thanks to the newfound flexibility in the conditional arguments, many of the old API calls have been rendered obsolete.
- Related Post Progress
    - Modified the XML parser to be vastly more efficient when accessing the database.
- File Upload System Progress
    - Integrated locally developed system into website.
    - Implemented function to add uploaded libraries into the database.
        - Exported ExtractSource parser to runnable jar file for use on the website.
    - Implemented function to remove uploaded libraries from the database.
    - Implemented proof of concept function to upload files from a URL.
- Received Additional Server Space, transferred over work. (Still in progress, slightly.)
- Created the first version of the final project presentation.

Goals for next week:

- Implement single-string_variable conditional search functionality.
- Organize, document, test, debug, and optimize existing API structure and code.
- Investigate PHP subversion library.
- Fix a bug in the XML parser which prevents the parsing of large amounts of post information.

- Complete and upload the post database and ranking algorithm to the server and integrate it with the current forum.

Name	Hours Spent	Contributions
Evan Dye	14	- Related Posts - Transferred over work to new server space - Final Presentation
Arik Coats	30	- File Upload System - Setting up new server space. - Transferred over work to new server space - Final Presentation
Robert Kloster	16	- API Calls - Basically overhauled the entire system, but this time, the new design should be here to stay. Our search functionalities are almost at desired levels; the remainder should prove simple. - Final Presentation