Cpr E/S E 491 May1639 Weekly Report 10

<u>Web platform for collecting and indexing publicly available information about common Java files.</u>

Reporting period: November 3rd - November 9th
Advisor/Client: Professor Rajan (Com S)
Members: Evan Dye (Team Leader)
               Arik Coats (Web Master, Concept Holder)
               Robert Kloster (Communication Leader)

Weekly Summary

- Meeting: Evan Dye, Arik Coats, Robert Kloster; November 6th 2015, 12 - 2:30pm
  - Focused on getting teammates up to speed with personal progress
- Messaged team Dec1512, awaiting response...
- REST API Plugin is likely incomplete and/or out-of-date; currently attempting to locate alternatives…
- Worked on source code parser program. Program can fully extract method information.
- Meeting: Evan Dye, Arik Coats, Robert Kloster; November 9th 2015, 12 - 5:30pm
  - Begun work on manually setting up API; simple proof-of-concept demo is already up and working.
  - Modified parser program to also extract class information.
  - Explored ways to add extracted information to the project database.
- Meeting: Evan Dye, Arik Coats, Robert Kloster, Hoan Nguyen; November 9th, 2015, 5:30 - 6pm
  - Received feedback from Hoan, as well as further directives.
- Completed weekly report 10.

Goals for next week:

- Meet with Dec1512 team for an interview.
- Complete, post, and submit Project Plans V.2.
- Begin researching how to acquire necessary data from the database for API calls.
- Implement a User API call in MyBB formatted the same as in Stack Exchange.
- Search for better means of finding related posts on the Stack Overflow site than the provided API.
  - Improved filtering of the results of API call.
  - Querying the Stackoverflow database directly.
- Build and populate database with extracted method and class information.
- Figure out how to connect to project database with JDBC.

Name	Hours Spent	Contributions	Results
Evan Dye	12	- Worked on refining the search for related posts using the Stack Exchange API. - Looked into creating a web API independent of MyBB to aid Robert.	- Refining the related posts using the Stack Exchange API proved insufficient to meeting the project conditions. - Created working examples of using a web based API independent of MyBB.
Arik Coats	18	- Wrote java parser using Eclipse JDT that extracts method and class information and organizes it for insertion into a database. - Investigated ways to use JDBC to insert extracted information into the project database.	- Program successfully extracts method and class information into parsed objects. - Problem with naming convention for source files in Windows. Possible solutions include: - Encoding special characters - A number key system for file names. - Forgoing embedding source text files and exclusively using the database.
Robert Kloster	15	- Researched RESTful API Plugin for MyBB. - Researched how to create custom RESTful API for MyBB. - Maintained Weekly Report 10. - Contacted team Dec1512 about a potential interview.	- RESTful API Plugin results disappointing - discontinuing use. - Will soon begin to manually set up our own API with custom calls to the database. - Working API proof-of-concept successfully implemented.