

Cpr E/S E 491 May1639 Weekly Report 9

Web platform for collecting and indexing publicly available information about common Java files.

Reporting period: October 27th - November 2nd

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; October 27th 2015, 2:40 - 4pm
 - Focused on Design Document V. 1, now completed.
- Design Document V. 1 submitted.
- RESTful API Plugin integrated into website's GitHub repository. (Separate branch)
- RESTful API Plugin integrated into website.
- Currently attempting to reverse-engineer RESTful API plugin's functionality; need to create custom APIs in future, but current goals much simpler - get pre-existing plugin APIs to function as expected...
- Added a related discussions box to the forums that populates dynamically given set tags to StackOverflow posts.
- Wrote program using Eclipse JDT to extract method source code
- Meeting: Evan Dye, Arik Coats, Robert Kloster, Prof. Rajan, Hoan Nguyen; November 2nd 2015, 5:45 - 6pm
- Meeting: Evan Dye, Arik Coats, Robert Kloster; November 2nd 2015, 6 - 6:30pm

Goals for next week:

- Discover (then document) how to properly use and implement custom APIs.
- Begin research on MyBB functionality; need to know what tools and data are available to custom APIs -must also understand how to use said tools properly.
- Populate the related discussions box dynamically based on a currently selected method or class.
- Refine method extraction process to fix problems and extract method attributes.

Name	Hours Spent	Contributions	Results
Evan Dye	10	<ul style="list-style-type: none"> • Worked on Design Document V.1 • Experimented accessing the StackExchange API using jQuery. • Worked on populating a related discussions box with links to StackOverflow. • Worked on Weekly Report 9 	The related discussion box successfully returns compiles a list of links to StackOverflow based on set tags.
Arik Coats	10	<ul style="list-style-type: none"> • Worked on Design Document V. 1 • Installed Eclipse JDT and built it for use in standalone applications. • Studied the JDT API. • Wrote a program using the JDT AST to extract method source code. • Identified problems with the current design and formulated a plan to implement the rest of the needed features. 	Successfully extracted method source code from Java file. Implementation needs refining in order to extract method attributes to populate a database.
Robert Kloster	10	<ul style="list-style-type: none"> • Worked on Weekly Report 9 • Worked on Design Documents V. 1 • Integrated RESTful API plugin into GitHub repository • Integrated RESTful API plugin into website • Researched RESTful API plugin's ability to create custom API methods • Troubleshooting RESTful API Plugin; still in progress... 	<p>RESTful API plugin now present in the project website.</p> <p>APIs still proving difficult to create and use; currently provided sample APIs still not producing expected results...</p> <p>Design Documents V. 1 created, sent to Prof. Rajan, posted to project website, and submitted to Blackboard.</p> <p>Weekly Report 9 created, updated, and posted to project website.</p>