

## Cpr E/S E 491 May1639 Weekly Report 11

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

Reporting period: November 10<sup>th</sup> - November 16<sup>th</sup>

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 10<sup>th</sup> 2015, 2 - 4pm
  - Worked on Project Plans V.2
- Meeting: Arik Coats, Robert Kloster; November 11 2015, 12 - 1:30 pm
  - Completed and submitted Project Plan V.2
- Meeting: Evan Dye, Arik Coats, Robert Kloster, Dalton Mills, David Johnston, Trey Erenberger; November 11<sup>th</sup> 2015, 3 - 4:30pm
  - Interviewed Senior Design (Part 2) team Dec1512.
- Meeting: Evan Dye, Arik Coats, Robert Kloster, Hoan Nguyen; November 16<sup>th</sup>, 2015, 5:30 - 6:30pm
  - Demonstrated progress to Hoan, received feedback.
- No progress on the related posts. Cleared up confusion regarding the desired content of the related posts box.
- Progress on MyBB API call generation is slow; radical restructuring of the database, maybe even all queries to the database in MyBB seems increasingly and unsettlingly necessary...
- Implemented prototype of system to send extracted source code information to a database

### Goals for next week:

- Learn how the MyBB databases store information about users, questions, answers, and posts, and learn of how to change them into the proper format to fulfill the requirements of the Stack Exchange API.
- Complete the /users MyBB API call in full Stack Exchange format.
- Populate the related posts box with posts related to a method and its class, ranked by the number of stars/reputation.
- Implement system to traverse a library and extract all classes and methods and send the resulting information to the database.
- Add functionality to extract package information.
- Refine database structure.

Name	Hours Spent	Contributions	Results
Evan Dye	9	<ul style="list-style-type: none"> <li>• Worked on Project Plan V2.</li> <li>• Interviewed team Dec1512.</li> <li>• Research on StackExchange Data Explorer.</li> </ul>	The StackExchange Data Explorer will not fulfill the required needs. However, after receiving clarification, the StackExchange API previously used should suffice.
Arik Coats	12	<ul style="list-style-type: none"> <li>• Completed Project Plan V2</li> <li>• Interviewed team Dec1512</li> <li>• Implemented prototype of system to populate a database with method and class information.</li> <li>• Formulated plan to expand program to traverse libraries and extract information from all java files.</li> </ul>	Successfully sent method and class information to a local database and successfully queried resulting database. Currently only implemented for single java files.
Robert Kloster	11	<ul style="list-style-type: none"> <li>• Worked on creating a MyBB API call in proper Stack Exchange API format.</li> <li>• Investigated querying the database from PHP code.</li> <li>• Interviewed team Dec1512.</li> <li>• Worked on Project Plan V2.</li> <li>• Weekly Report 11.</li> </ul>	We now know how to properly query the database from the main PHP code of the MyBB forums. Progress on the MyBB API call creation is slower than expected or preferred; expert help with MyBB or PHP is quite possibly necessary, but unavailable.