

Cpr E/S E 492 May1639 Weekly Report 6

A Web-based Platform for Java Specifications

Reporting period: February 13th - February 23rd

Advisor/Client: Professor Rajan (Com S)

Members: Evan Dye (Team Leader)
Arik Coats (Web Master, Concept Holder)
Robert Kloster (Communication Leader)

NOTE: Due to increasing difficulties in our ability to meet and organize the Weekly Reports on Fridays, team May1639 motions to change the weekly report posting day from Fridays to Tuesdays; ergo, this weekly report will contain some content from both this week and the previous one.

Weekly Summary

- API Progress
 - Established consistent, streamlined format for API creation.
 - Questions API calls are currently undergoing refactoring/documentation cycle to fit new format; est. 70-80% complete at time of writing.
 - Aiming to create API calls for currently stored source code data; classes, methods, etc.
- Related Post Progress
 - Electronics Technology Group (ETG) has been contacted; we've been advised to try parsing the XML file on our own computer before attempting to do so on a school server.
 - Investigated means of parsing very large XML files to reduce memory usage.
- Search Feature Progress
 - Remaining bugs have been resolved. All that remains is adding proper support for the navigation bar and partial string matching.

Goals for next week:

- Complete Questions API call refactoring and documentation, begin refactoring other API calls.
- Establish the database tables for related posts and continue work on parsing the XML file.
- Develop prototype of new system to easily add new libraries to the website.

Name	Hours Spent	Contributions
Evan Dye	7	<ul style="list-style-type: none"> • Related Posts
Arik Coats	4	<ul style="list-style-type: none"> • Search Feature
Robert Kloster	12	<ul style="list-style-type: none"> • API Calls <ul style="list-style-type: none"> ○ Questions API <ul style="list-style-type: none"> ■ Refactoring ■ Debugging ■ Documentation ○ Experimenting with various query designs/optimizations in preparation for eventual increases in database size/complexity