

Cpr E/S E 492 May1639 Weekly Report 9

A Web-based Platform for Java Specifications

Reporting period: March 9th - March 22th (Spring Break: March 13th - March 19th)

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
 - Worked on feedback improvement from Hoan;
 - The returned JSON variables now accurately represent their proper type.
 - The returned JSON variables are ordered in a format that is more immediately useful for humans to use.
 - Work on the 'comparison-type' (<, >, <=, >=, etc...) conditional parameters is in progress; it should, at bare minimum, be in a semi-operational state before the advisor meeting this Thursday.
- Related Post Progress
 - Continued work on parsing the XML file with StackOverflow post information.
 - Parser mostly complete for all post fields with the exception of the post body and some special character cases.
 - Determined database fields for posts.
 - Successfully added all parsed information to the database.
- File Upload System Progress
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Goals for next week:

- Complete the integration of the 'comparison-type' conditional parameter system.
- Begin and complete the integration of a 'multiple variable sort' parameter system.
- Complete parsing of post bodies.
- Begin work on ranking algorithm for posts.

Name	Hours Spent	Contributions
Evan Dye	16	<ul style="list-style-type: none"> • Related Posts <ul style="list-style-type: none"> ◦ Parsing ◦ Database Functionality
Arik Coats		<ul style="list-style-type: none"> • File Upload System •
Robert Kloster	24	<ul style="list-style-type: none"> • API Calls <ul style="list-style-type: none"> ◦ JSON Results: <ul style="list-style-type: none"> ■ Proper typing ■ Organized structure ◦ Overhaul of conditional parameter system

2 Things to note:

1. This Weekly Report also accounts for the time and progress made during Spring Break.
2. From about the beginning of Spring Break until (roughly) March 19th, our web server space was experiencing multiple issues; the primary problem, however, was that, while files could be uploaded to the web server space from our computers, the resultant files on the web server space would always be empty.

According to the ETG, these problems that we were experiencing on the web server wasn't just an anomaly with our system; it appears that, due to multiple attacks on the shared Senior Design web server, the error logs were high constantly filled with 'junk' data. This lead to a shortage of available memory across multiple web server spaces, including ours, meaning that we couldn't upload any actual data.

Since then, this problem, as well as all other issues, have been rectified, and work on the project has resumed normally.