492 WEEKLY REPORT 8   Date: 2/28/17 - 3/6/17

Group number: 01

Visualization of Earth Modeling System (Project 1)

Prof. Johnny Wong (Advisor) & Prof. Chaoqun Lu (Client)

Team Members/Role:

Kellen Johnson – Team Communication Leader

Anish Kunduru – Team Leader

Julio Salinas – Team Concept Holder

Eli Devine – Team Webmaster

o **Weekly Summary**

Tied server and client together, and have verified that automation works at the basic levels. Lots of paired programming with the team.

o **Past week accomplishments**
- Anish Kunduru: Created a way to dynamically create the JavaScript for the webpage using our existing ConvertedSet (in the Java daemon).
- Kellen Johnson: After receiving .tiff images from the Client, was able to create template maps for various compounds. Fully integrated the python scripts into the parser. Worked with Anish and Eli on a late night coding session in an attempt to get the GUI, Daemon, and HTML page generation fully integrated. Created schedule for client and adviser but is tentative for now until we know our deadweek presentation schedule.

- Eli Devine: Worked on the end-user webpage, dynamically filling in the drop down lists with existing generated maps. Debugged the JavaScript that would load the list properly and the function that would load the map selected by the user.
- Julio Salinas: See above

o **Pending issues**

None

o **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Kellen Johnson	Python Script Integration. Template Map Creation. Bug-finding in Daemon.	25	180
Anish Kunduru	Lots of paired programming with team. Also tied server and client together and ensured everything is working properly. Finally, programmed a way to automatically create the JS.	30	207
Eli Devine	JavaScript/Webpage functionality, flow, and debugging.	19	101
Julio Salinas	Helped team debug and set up for presentation	11	99

o **Comments and extended discussion**

Anish Kunduru: We need a way to automatically transfer the JS to the webserver.

o **Plan for coming week**
- Anish Kunduru: GUI needs an automated parser as well as a way to view system logs. Also need to automate installation of daemon as a Windows service.

- Kellen Johnson: work on Instructor Presentation. Bug-finding for GUI. Work on logging exceptions that can be thrown by Python Scripts.
- Eli Devine: Clean up code, debug more detailed problems, make webpage (drop down, displays, etc.) more clear if possible.
- Julio Salinas: Keep working on generating the dynamic selection tool for the end-user experience.

o **<u>Summary of weekly advisor meeting</u>**

Large-Scale Demo. The Majority of the Project has been presented to the client. Functionality shown is the uploading of maps, the end-user website, and various automation.