May1618: Graphalyzer

WEEKLY REPORT #5   **Date: 2/8-2/14**

Group number and Name: May1618
Client/Advisor: Ross Hendrickson/Simanta Mitra
Attendees/Role:

- Andrew Bowler - Webmaster
- Al Gomez-Estrada - Communications
- Michael Sgroi - Key Concept Holder
- RJ White - Key Concept Holder
- Taylor Welter - Project Leader
- Simanta Mitra - Advisor
- Ross Hendrickson - Client
- Eric Olson - Client
- Blake Wilson - Client
- Taylor Wolf - Client
- Sean Strickland - Client

Past week accomplishments

❖ Logging configuration was configured for the websocket server with more log statements.

❖ Logging configuration and statements were written for the UI.

❖ We recorded running times for graph drawing on the UI, and drastically sped up performance through reconfiguration.

❖ Ross got clearance for our server, and even got us root access. We should expect the server information and credentials, as well as a DNS for the UI sometime early next week.

Plan for coming week

❖ Begin migration over to the server, install Graphalyzer and dependencies, find some more graphs to test with

❖ Finish UI feature to allow users to filter graph based on node properties

❖ Finish basic file chunking logic

Pending issues

❖ As always, expect for delays with the server.

❖ There is the possibility of security issues with the ISU network and the new server and its DNS. We'll find out.

Individual contributions

❖ Andrew

    ❖ Set up an environment for StatsD - **2 hours**

        ▪ We have decided not to use StatsD for now since all we are gathering is runtimes, we will compute these manually. The StatsD environment may still be used in the future.

    ❖ Added frontend logic for handling chunked data - **3 hours**

    ❖ Configured and wrote log statements for the frontend - **1 hour**

    ❖ Reconfigured Vis options to increase graph drawing performance - **½ hour**

        ▪ "Graph 04" from the test data now draws in less than 5 seconds, as opposed to ~15 seconds from before.

    ❖ Met with client - **½ hour**

❖ Michael
  ❖ Worked on frontend graph filter - **4 ½ hrs**
  ❖ Met with client - **½ hr**

❖ Al
  ❖ Met with client - ½ hr
  ❖ Worked on Travis setup and prepared for website auto-deploy on merge to master - 3 hr
  ❖ Wrote up tests in PyUnit - 1 hr

❖ Taylor
  ❖ Worked on front end graph filter - 4 hrs
  ❖ Met with client - ½ hr

❖ RJ
  ❖ Met with client - **½ hr**
  ❖ Started File Chunking for backend - **4 hr**
  ❖ Cleaned up Websocket logs. - **½ hr**

Individual hourly contribution

NAME	Hours this week	HOURS cumulative
Andrew	7	25.5
Michael	5	26
Al	4.5	14.5
Taylor	4.5	10.5
RJ	5	20