CprE/SE 492 May1620 Weekly Report 2

A Sociotechnical Solution to Large-Scale Formal Specification Mining

Reporting period: January 16 – January 23

Advisor / Client: Professor Rajan (ComS)

Members: Cody Hanika (Team Leader),
        Deeksha Juneja (Communication Leader),
        Alex Dana (Web Master/Concept Holder)

Weekly Summary:

- Had our client/advisor meeting with Professor Rajan
  - We will now meet on alternating Thursdays at 2:00 - 3:00 pm
  - He would like us to take more initiative this semester with the project
  - Merging of projects with our sister-group will likely not occur due to lack of progress
- Met as a group to discuss what initiatives we could take in order to progress
  - Looking into alternatives for the StackOverflow platform. As it stands not enough SO users are interested in the topic. A proposed solution is to research StackExchange community sites in order to create a new StackExchange site that is for Software Specifications. In doing so we may be able to better control answers and recruit more knowledgeable users. -Alex
  - Looking into creating a list of all classes and functions we are concerned with to use with NLP. Connecting the database and Boa. -Cody
  - Doing sentiment analysis on SO comments in order to see how viable of an option it is. Use a list of functions and classes to help NLP decipher sections of text (from Cody) -Deeksha

Goals for Next Week:

- Meet with client/advisor
- Determine viability of StackExchange community sites and research possible alternatives
- Get server up and running
- Get an NLP keyword list working as well as sentiment analysis on comments
- Get database and boa working together

Team Member	Hours Spent
Cody Hanika	3
Deeksha Juneja	3
Alex Dana	3