CprE/SE 492 May1620 Weekly Report 14

A Sociotechnical Solution to Large-Scale Formal Specification Mining

Reporting period:April 9 - April 17

Advisor / Client: Professor Rajan (ComS)

Members: Cody Hanika (Team Leader, Communication Leader),

         Alex Dana (Web Master/Concept Holder)

Weekly Summary:

- Client-Advisor Meeting
- Developed method of finding the most common phrases in exceptional javadoc clauses
- Used tokensregex to generate JML for null pointer exceptions in ArrayList
- Researched multiple rule files and how it will work with our project

Goals for Next Week:

- Using NLP POS and sub-tree matching to study the frequency of math expression and non-math expression phrases in the JDK Javadoc
- Verify a sample of those expressions to see how accurate the classification is
- For the phrases classified as math expressions, use TokensRegex to translate them into Java expressions
- Verify a sample of those translated Java expressions to see how accurate the translation is
- Finish project poster
- Finish project report
- Begin preparing for presentation

Team Member	Hours Spent
Cody Hanika	11
Alex Dana	8