

WEEKLY REPORT

Group: May14_13	Date: 10/16/2013
Client/Advisor: Kathryn Stolee	
Attendees/Role: Cole Groff, Trevor Lund, Carl Chapman, Cody Hoover, Kaitlin McAbee	

Past week accomplishments			
What	Who	When	
Test Z3 on Google Compute Engine.	Trevor	10/12/13	
Test Z3 on EC2.	Cole	10/12/13	
Complete Application Interfaces draft.	Carl	10/12/13	
Plan for coming week			
What	Who	When	
Testing running multiple z3 instances simultaneously	Carl and Trevor	10/23/13	
Setting up Tomcat and user interface	Cole and Cody	10/23/13	
Port current database to new schema	Kaitlin and Trevor	10/23/13	
Pending issues			
Description	Action	Target date	Actual Date
Name	Responsibility	Planned date	Actual date

Kaitlin McAbee	Weekly Report 6	10/19	10/19
Individual hourly contribution			
Name	Number of Hours	%	
Carl Chapman	6	26	
Cody Hoover	5	22	
Cole Groff	5	22	
Kaitlin McAbee	3.5	15	
Trevor Lund	3.5	15	
Total	23	100	

Write more detail report

We discussed some of the issues that may come from trying to run each input/output pair and path on multiple threads and how z3 will act (if z3 has memory leaks). Talked about storing the model from z3 for the current search. This would involve temporary files that store the details of the model used to satisfy the method. Each result would have a model file associated with it. We also went over some basic interfaces between various parts. For some advanced options to add on later, we could have custom timeout, include unknown results, etc. Also discussed being able to relax search parameters if search returns no results. Possibly searching with symbolic parameters (parameter that is not explicitly defined) or asking the user if they would like to expand their search.

Object definition for input/output object to be parsed from json.

List<String> input1

List<Boolean> input2

List<Character> input3

List<Integer> input4

Object output;

For the database, try to do four tables, one for each output variable type that would store the metadata for the number of parameters. Divided up what is to be done by next week.