

CS 744 – Management Issues in Software Engineering

Project Meeting

Project title: Re-engineering a type checker for Object-Z

Group number: 2

Meeting #: 5

Held on: Feb 02, 2012 at 10:15 A.M.

Location: Wing Tech classroom

Members of the group: John Wiley, Kate Johnson and Mike Burge

Members attended: all

Topic(s) for discussion: Update on GUI

Report writer: Kate Johnson

All members came on time and the meeting started on time.

First, each team member gave a brief overview of the work done by that member. Kate indicated that she had a problem in accessing some of the elements in the syntax table. John suggested a fix; Kate agreed to try it out next time. John and Mike did not have any problems in their work.

The focus of the current discussion was on updating the GUI from the previous version. In particular, this week's focus was on extending the GUI to include a section to introduce various function types to be used in a specification. John listed the functions to be included and how they should be accessible from the GUI. He said even though he was able to list all of them from the GUI, he did not understand the difference between total and partial bijective functions. Mike said he would explain it later and is not necessary for the current discussion because the team is concentrating on the use of these functions and not on their semantics. Kate agreed. Mike and John were debating on whether the team should include a list of functions as a separate entity or the list should be included with all other operators. Kate was not in support of a separate entity and so the team voted (2 out of 3) for merging the list of function symbols along with other operators.

Next, the team discussed the responsibilities for each individual in implementing the function symbols. Mike will take the responsibility of display elements. Kate suggested that Mike should like into *ams* fonts to ensure that the font symbols are displayed correctly. Mike mentioned that he already looked into that and he knew how to do it. Kate agreed to help re-organizing the portion of the screen that lists all the operators in order to accommodate the space for the new symbols. Mike and Kate will submit the prototype by Friday. John will test them.

The discussion then switched from the GUI towards the implementation of the functionalities. Mike explained, as he said earlier, the difference between total and partial bijective functions and why the specification language did not include partial bijective functions. He also indicated a reference which discuss this issue in detail and asked Kate and John to refer to the same. Both

Kate and John agreed to do it. John also suggested that the team should discuss the semantics of each function symbol at its next meeting. Mike and Kate concurred with that suggestion.

Next meeting and its agenda:

The next meeting will focus on developing the functionalities behind the scene for each function type displayed. The meeting is planned to be on Feb 06, 2012 at 4:00 P.M. in Murphy Library, Room 127.