



Newsletter



Editorial

Welcome to the new issue of our FUJABA newsletter. In this newsletter we continue our series about realized and pending plug-ins and report on the 2nd International Fujaba Days in Darmstadt, Sept. 2004. So, enjoy the articles, Merry Christmas and a Happy New Year! (rw)

Introducing GFORGE

Once upon a time in a galaxy far far away, the mighty king DSD reigned the Fujaba community. His reign was long and the community prospered. Unfortunately in the last years of his regentship, the king was not able to satisfy the increasing demands of the community. So he resigned and transferred power to the young prince GFORGE to rule and support the community.

So far the excerpt from the annals of FUJABA history. In November, DSD has been finally shut down as the version and configuration management system for the development of FUJABA. Since then, GFORGE in conjunction with standard CVS is used as main development and collaboration platform for FUJABA. GFORGE is a web-platform which provides collaborative features for distributed software development. GFORGE manages projects, users, and their roles in projects. We currently use GFORGE version 3.3 in

conjunction with a self-written pserver CVS backend. Bug tracking, forums, surveys, task managers, etc. are additionally provided by GFORGE. In addition, the VIEWCVS tool is integrated which displays the CVS repository structure as web pages and thus provides easy read-only access to the repository. Finally, an e-mail notification service based on VIEWCVS is provided for all projects and is already used for FUJABA.

Currently, we are evaluating the brand new GFORGE 4.0 release. Based on this release, we will likely update the FUJABA collaboration platform in the next months. Comments, bug submissions, feature requests for the FUJABA GFORGE¹ installation should be directed to Matthias Tichy <mtt@uni-paderborn.de>. (mtt)

DOBS plug-in for eclipse shipped

In the beginning of 2004 the Software Engineering Research Group of the University of Kassel gained an Eclipse Innovation Award by IBM for the eDOBS project. The group proposed to integrate Fujaba's DOBS plug-in into the eclipse IDE. eDOBS is an eclipse plug-in, which visualizes the current heap of a Java program at runtime as an UML object diagram. eDOBS may typically be used within a

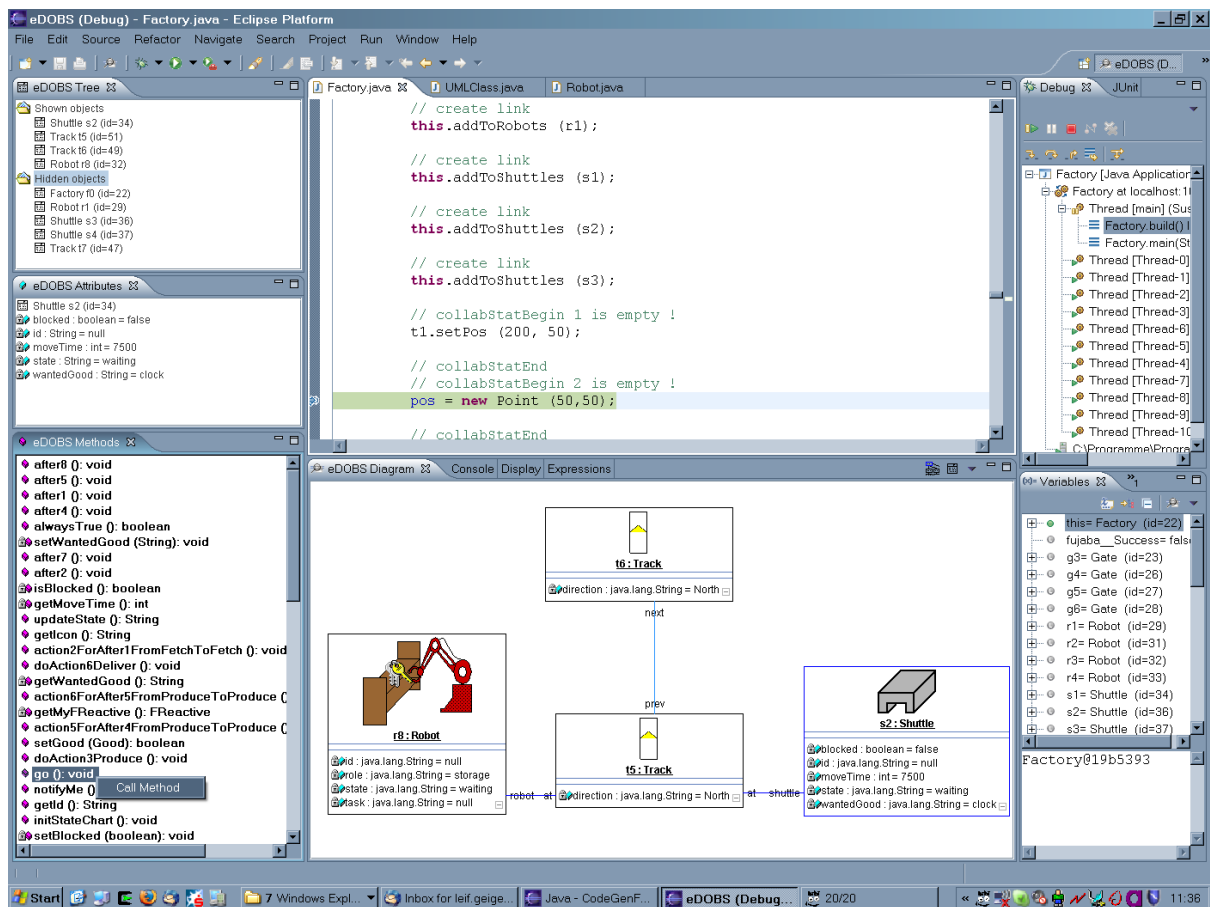
1. <https://dsd-serv.uni-paderborn.de>

debugging session. Instead of the variable view, the eDOBS panel may show the content of variables and how the referenced objects are related to each other. To facilitate recognition, eDOBS may be configured to use certain icons for certain kinds of objects. At any time, the depicted object structure may be extended by including neighbors of already shown objects. This allows to explore complex object structures step by step. During step-wise execution, eDOBS reflects changes to the object structure, immediately.

Together with the class diagram editor integrated into eclipse by the Fujaba4Eclipse plug-in developed at the University of Paderborn, eDOBS can also be effectively used in education of object oriented programming. After drawing a class diagram

using Fujaba4Eclipse, the students can instantly create object structures using eDOBS. Implemented methods (either with eclipse or with Fujaba's story diagrams) can be applied onto this object structures and the results could be verified again using eDOBS. Tools, which address similar aims like e.g. BlueJ, lack the important concept of association in both the class diagrams and the object browser and are therefore not really suitable for the education of OOP. The team eclipse, eDOBS, Fujaba4Eclipse closes that gap.

But also for the experienced developer eDOBS can be really helpfull. It simplifies the exploration of complex object structures while debugging with eclipse which was rather complicated with eclipse tree-based variables view. eDOBS also adds the



"Browse in DOBS" button, which is well known by most of the Fujaba developer, to eclipse. Using this button, one may now start eDOBS on the internal eclipse meta model. This is especially helpfull if you are developing an eclipse plug-in yourself and want to learn more about the object structure, methods and attributes of a certain part of the eclipse framework.

In December 2004 the first version of eDOBS was released and is available for download at <http://www.se.eecs.uni-kassel.de/se/index.php?edobs>

Since eDOBS is still in alpha state, the development will move on and many improvements will be made in near future, so stay tuned. (az, lg)

Fujaba Days 2004 Report

The 2nd International Fujaba Days were located at Darmstadt, Germany from Sept. 15th to Sept. 17th, 2004. Again, Fujaba developers and users came together to present and discuss about their current ideas and ongoing projects. Approximately 45 attendees from France, Hungary, Belgium, and different sites in Germany participated in this event and contributed to a successful workshop.

The workshop was subdivided into 5 sessions with various talks on Improving the FUJABA Infrastructure, Application Development with FUJABA, New Plugins for the FUJABA Community, and (Meta) Model-Driven Application Development with FUJABA, 2 invited talks (thanks to Birgit Demuth from TU Dresden, Germany, and

Pierre Alain Muller, Université de Rennes, France), and 1 session of tool demonstrations. The workshop was concluded by a Fujaba Developers' Day.

After the first day the attendees met to the conference dinner at Grohe brewery. At this famous location of Darmstadt with beer and local specialities the community renewed contacts and discussed offline their ideas and aims far into the night. (ak)

The Fujaba Team thanks the organizer Andy Schürr and his team for the excellent organization of the 2nd Int. Fujaba Days 2004. The 3rd Int. Fujaba Days 2005 will take place in Paderborn. (rw)

May I introduce...



...Jörg Wadsack, one of the guys who worked on FUJABA right from the beginning. Jörg enhanced FUJABA by developing the *Reddmom*¹ plug-in, a plug-in for the reengineering of large distributed databases.

Between 1998 and 2003 Jörg Wadsack worked as a research associate in the software engineering group of Prof. Dr. Wilhelm Schäfer at the University of Paderborn. Since January 2004, he is working for the BearingPoint GmbH in Frankfurt am Main. (mg)

1. <http://www.upb.de/cs/reddmom>