

# Demonstration of Factory - A Java Extension for Generative Programming

Christof Lutteroth

April 14, 2004

## **Abstract**

Factory is an extension of Java which provides a template-based reflection mechanism for generative programming. Java classes can be parameterized by types, and the structure of the classes can be described dependent on these type parameters. Factory can address a wide range of applications and save programmers a lot of work. It is designed to integrate seamlessly with Java, to be intuitive for the user, extensible and safe.

The talk will introduce the notion of generative programming and how it is realized in the Factory system. The main focus will be on a demonstration of examples done in the Factory language.