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Abstract

Abteilung	Informatik
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Title	Java To XML
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Summary of the research project

This project research carried during the academic semester 2004 aimed to investigate the plug-in architecture in the Eclipse workbench project and to capture the semantic of a java source code in an XML format. The expected products were:

- An Eclipse plug-in to transform a java source file into an XML document
- An XSL style sheet to generate HTML documents from the produced XML
- A Study about AST
- A Study about The Eclipse project and its plug-in architecture

The team tried to achieve the goals the project using the knowledge they acquired in different area like software engineering, project management, compiler construction and the general programming and computer science subjects.

The project was planned and carried out for 15 weeks and closed up end of Jun 2004.

The goals were in the biggest part achieved and the experience gained was very reach on different levels.

The field is still under research and a lot of applications could be based on it. Like language to language converter and reverse engineering which are more interesting than building a human readable document. Thanks to the multipurpose Extended Markup Language and the related technologies like XPATH, the refactoring of the data and preparing it for different purposes is possible.