



Diplomanden- und Doktorandenseminar des Instituts für Informatik

Dienstag, 08.07.2008, 12 Uhr s.t.

Hörsaal T1, Hörsaalgebäude, Albrecht-von-Groddeck-Straße 7

A Model Repository for Collaborative Modeling with the Jazz Development Platform

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Today's software development projects have a huge demand for a comprehensive and integrated support in the teambased development of models. Since they typically rely on filebased version control systems like CVS and assume that working with models does not differ from working with code, current solutions solve only a part of the problem. This thesis addresses this gap between what is needed in practice and what is provided by existing tools. Based on the collaboration platform Jazz, a model repository prototype is developed that provides adequate versioning support and leverages the collaboration mechanisms provided by Jazz for concurrent model development. Further, this thesis investigates the shortcomings of codecentric collaboration methods when applied to the development of models. Especially the integration of concurrently developed models turned out to be a complex and collaborative task. The results of this investigation are integrated into the prototype yielding a model repository that supports teambased development to a considerable extent.