Resume

Master thesis:
Subject: EJB Container for Session beans in J2EE platform
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The vast distribution of the java programming language led to development of JEE platforms where enterprise applications can be developed. The major part of these JEE platforms is the EJB Container specification that defines common component model for enterprise applications. An implementation of that specification should meet the high requirements for stability, security and scalability of the applications.

This master thesis analyses and makes systematic research and summary of the base requirements for successful implementation of EJB Container for Session Enterprise Java Beans. The result of this research was used for design and implementation of EJB Container as an attachment to any existing Java 2 Enterprise Edition platform.

During the thesis creation an overview of all related technologies was made together with analysis of the EJB specification. The requirements and conditions necessary for implementation of J2EE compatible implementation of EJB container were identified.

The suggested design and implementation has maximum agility and low coherence based on the functionality of its composed components. Separation of different subsystems from each other and having common interface among them allow implementation of dynamic client views, lifecycle and management of business requests.

Goal for further improvement is adoption of the realization to a testing system in order to facilitate the testing of beans under development. Thus the testing process will be decreased, since there will be no necessity to deploy bean implementation to production environment in order to perform test execution.