

## **Java Enterprise Edition and Design Patterns**

### **Exercise 1 – Introduction to JEE, Netbeans and JBoss**

During the lecture you got a brief introduction to the Java Enterprise Edition. In this exercise you will repeat some of the topics. The results will be checked during the next practical lesson.

- 1) As in every technology, it is important to be familiar with the common technical terms used when talking about **JEE**. Describe the following terms briefly in your own words. If you experience problems, use the course book or internet resources to fill the knowledge gaps.
  - JEE
  - EJB
  - Application Server
  - API
  - Session Bean
  - Remote Interface
  - JNDI
  - EJB Container
- 2) What are the most important differences between a standalone Java Application and a **JEE** Application?
- 3) Download and install the JBoss **Application Server**. Add the JBoss Server in the Netbeans Server Manager ([Tools][Server Manager][Add Server]).
- 4) Reproduce the *ArbitraryOracle*-example from the lecture in your own **Netbeans** Environment.
- 5) Add a second method to the *FirstOracle*-Session Bean, add it to the **Remote Interface** and call it from the client.