technische universität dortmund

TU Dortmund - Department of Computer Science
Software Engineering – Prof. Dr. J. Jürjens
Softwarekonstruktion - Exercise 11, 13.01.2011

Softwarekonstruktion - Exercise 11

11 UMLsec

This exercise should be solved until Friday, January 21st, 2011.

11.1 Use Case Diagram

Consider a *movie theater reservation system*. Set up a use case diagram for the use case "ticket reservation" with the actors "customer", "box office", "server". Add relevant security properties to the diagram as illustrated in the lecture.

11.2 Activity Diagram

Set up an activity diagram based on your use case "ticket reservation". Add the "start" and "stop" tags of the stereotype "fair exchange" to the diagram.

11.3 Deployment Diagram

Set up a deployment diagram for the movie theater reservation system with the components "server" and "box office" deployed on the node "movie theater" and the component "browser" deployed on the node "customer computer". Add relevant security properties to the diagram as illustrated in the lecture.