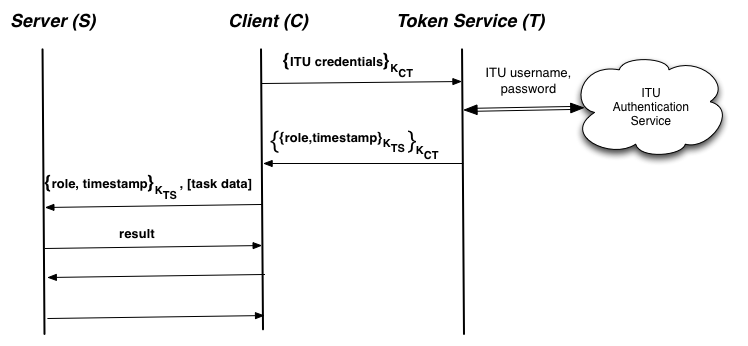
**Hand-in 5**

In this assignment we’ve extended our TaskManager application with an authentication facility.

**Task modifications**We have added the role-element to our class Task in order to use JAXB with the new XML format.

**Token Service**We have made a Token service according to the above picture, which checks ITU usernames and password with an SSH request.

**Concurrency in the UDP Server**Our server reads a TaskList from XML. Clients can then connect to our server, and execute tasks.  
When a change is made, the server will write to XML.  
We use Java's synchronized-block functionality to lock a task or a file when we make a change to these.

**Test Run**  
We had a test-run, as seen below. Input is marked in green.

