**Exercise 6**

*WS-Security: securing the JAXWS Service and configuring the client to use security*

**Prior Knowledge**

*Exercises 3 and 4 – creating a JAXWS Service and CXF Client.*

*Lectures on WS-Security*

**Objectives**

*Understand how to authenticate using UsernameToken and Sign/Encrypt a message using X.509 certificates.*

**Software Requirements**

* Java Development Kit 7
* Tomcat 7.0.33 or later
* Eclipse JEE workbench
* Apache CXF 2.7.0 or later
* Service running from Exercise 3, Client from Exercise 4