Lab 4 – B00058026

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lab04.xml

```xml
 1  <?xml version="1.0" encoding="UTF-8" ?>
 2  <!--  Published by JAX-WS RI at http://jax-ws.dev.java.net. RI's version is Metro/2.3 (tags/2.3-7528; 2013-04-29T19:34:10+0000)
       JAXWS-RI/2.2.8 JAXWS/2.2 svn-revision#unknown.
 3  -->
 4  <!--  Generated by JAX-WS RI at http://jax-ws.dev.java.net. RI's version is Metro/2.3 (tags/2.3-7528; 2013-04-29T19:34:10+0000)
       JAXWS-RI/2.2.8 JAXWS/2.2 svn-revision#unknown.
 5  -->
 6  <definitions xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" xmlns:wsp="
       http://www.w3.org/ns/ws-policy" xmlns:wsp1_2="http://schemas.xmlsoap.org/ws/2004/09/policy" xmlns:wsam="
       http://www.w3.org/2007/05/addressing/metadata" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:tns="http://Lab04/" xmlns:xsd="
       http://www.w3.org/2001/XMLSchema" xmlns="http://schemas.xmlsoap.org/wsdl/" targetNamespace="http://Lab04/" name="Lab04Service">
 7      <types>
 8          <xsd:schema>
 9              <xsd:import namespace="http://Lab04/" schemaLocation="http://desktop-0d4klr3:8080/Lab04/Lab04Service?xsd=1" />
10          </xsd:schema>
11      </types>
12      <message name="constructor">
13          <part name="parameters" element="tns:constructor" />
14      </message>
15      <message name="constructorResponse">
16          <part name="parameters" element="tns:constructorResponse" />
17      </message>
18      <message name="getPrice">
19          <part name="parameters" element="tns:getPrice" />
20      </message>
21      <message name="getPriceResponse">
22          <part name="parameters" element="tns:getPriceResponse" />
23      </message>
24      <message name="updateStock">
25          <part name="parameters" element="tns:updateStock" />
26      </message>
27      <message name="updateStockResponse">
28          <part name="parameters" element="tns:updateStockResponse" />
29      </message>
30      <message name="changeStock">
31          <part name="parameters" element="tns:changeStock" />
32      </message>
33      <message name="changeStockResponse">
34          <part name="parameters" element="tns:changeStockResponse" />
35      </message>
36      <portType name="Lab04">
37          <operation name="constructor">
38              <input wsam:Action="http://Lab04/Lab04/constructorRequest" message="tns:constructor" />
39              <output wsam:Action="http://Lab04/Lab04/constructorResponse" message="tns:constructorResponse" />
40          </operation>
41          <operation name="getPrice">
42              <input wsam:Action="http://Lab04/Lab04/getPriceRequest" message="tns:getPrice" />
43              <output wsam:Action="http://Lab04/Lab04/getPriceResponse" message="tns:getPriceResponse" />
44          </operation>
45          <operation name="updateStock">
46              <input wsam:Action="http://Lab04/Lab04/updateStockRequest" message="tns:updateStock" />
47              <output wsam:Action="http://Lab04/Lab04/updateStockResponse" message="tns:updateStockResponse" />
48          </operation>
49          <operation name="changeStock">
50              <input wsam:Action="http://Lab04/Lab04/changeStockRequest" message="tns:changeStock" />
51              <output wsam:Action="http://Lab04/Lab04/changeStockResponse" message="tns:changeStockResponse" />
52          </operation>
53      </portType>
54      <binding name="Lab04PortBinding" type="tns:Lab04">
55          <soap:binding transport="http://schemas.xmlsoap.org/soap/http" style="document" />
56          <operation name="constructor">
57              <soap:operation soapAction="" />
58              <input>
59                  <soap:body use="literal" />
60              </input>
61              <output>
62                  <soap:body use="literal" />
63              </output>
64          </operation>
65          <operation name="getPrice">
66              <soap:operation soapAction="" />
67              <input>
68                  <soap:body use="literal" />
69              </input>
70              <output>
71                  <soap:body use="literal" />
72              </output>
73          </operation>
74          <operation name="updateStock">
75              <soap:operation soapAction="" />
76              <input>
77                  <soap:body use="literal" />
78              </input>
79              <output>
80                  <soap:body use="literal" />
81              </output>
82          </operation>
83          <operation name="changeStock">
84              <soap:operation soapAction="" />
85              <input>
86                  <soap:body use="literal" />
87              </input>
88              <output>
89                  <soap:body use="literal" />
90              </output>
91          </operation>
92      </binding>
93      <service name="Lab04Service">
94          <port name="Lab04Port" binding="tns:Lab04PortBinding">
95              <soap:address location="http://desktop-0d4klr3:8080/Lab04/Lab04Service" />
96          </port>
97      </service>
98  </definitions>
```

Types

The types element contains the user defined data types.

Interface and Operations

The interface is an abstract definition of the web service which does not have an information about where and how the service is provided.

An operation describes the input and output data structures.

Input and Output

Input and output refers to the input and output messages.

Binding types

Binding defines the protocol and data format for each port type.