

Business Process Technologies

ST2, Winter Term 2020 / 2021

Sheet 7: Webservices with SOAP / WSDL (10 Points)

Please upload a screenshot of the WSDL, the SoapUI-Test, the resulting application and the output of the application.

1. Install SoapUI

<https://www.soapui.org/downloads/latest-release/> (preferably ZIP)

2. Test the following web service with SoapUI ...

<http://www.thomas-bayer.com/axis2/services/BLZService?wsdl>

Based on a BLZ (old Bank-ID) the service returns bank data

=> Analyze the WSDL file, as well as Request and Response

3. Creation of a Java.Webservice-Client with NetBeans (recommended, but other IDEs are possible)

- Create a small Swing-Application (or command-line application for testing)
 - New Project: Java Desktop Application
- Create the Web-Service-Client
 - New => Webservices => Webservice Client
- Use the generated classes for calling the service

Example:

```
BLZService service = new BLZService();

DetailsType details =
service.getBLZServiceSOAP11PortHttp().getBank(tf_BLZ.getText());

l_Name.setText(details.getBezeichnung());
```

The screenshot shows a Windows-style application window titled "TestBLZ". It has a menu bar with "File" and "Help". Below the menu bar, there is a text input field containing "61290120" and a button labeled "Search BLZ". Below these, the search results are displayed in a table-like format:

Name	Volksbank Kirchheim-Nürtingen
BIC	GENODES1NUE
Ort	Nürtingen
PLZ	72610

At the bottom right of the window, there is a small circular icon.