# Home task

### Task №1 - “Testing SOAP WSs with Soap UI”

***Precondition:***

Download and install the latest version of SoapUI OpenSource or Ready API from <http://www.soapui.org/> (Please do not use Trial)

Create soapUI project, import WSDL. Create test cases with all assertion types for **one** calculator operation (‘plus’, ‘minus’ or other).

WSDL is based on <http://www.service-repository.com/service/overview/877027757>.

### Task №2 - “Soap UI Pro + Groovy with RESTful WS”

***Precondition:***

Download and install the latest version of Soap UI Pro or Ready API from <http://www.soapui.org/> (Trial)

**Description:**

Testing of service Geo IP - <http://geoip.elib.ru/> .

***Precondition:***

Read the documentation – how to work with geoip - <http://geoip.elib.ru/> .

***Test Case :***

Main service: [http://geoip.elib.ru/cgi-bin/getdata.pl?ip=<IpAddress](http://geoip.elib.ru/cgi-bin/getdata.pl?ip=%3cIpAddress)>

Mini service: http://geoip.elib.ru/cgi-bin/getdata\_mini.pl?ip=<IpAddress>

Notice: there are some limitations of usage the same request on main service. For more information, please, read the site - <http://geoip.elib.ru/>. You could choose to use mini-service (<http://geoip.elib.ru/?page_id=126> )

Tests using Soap UI, that for **different** ip addresses:

1. The status code of response is 200 (OK).
2. The correct content of responses for different ip addresses will be returned.
3. Check, that for ip address from the same Town, the responces is the same. For example, for ‘213.252.105.59’ the ‘Town’ from the response is the same as for ip ‘213.252.105.46’.
4. Check the ‘Error’ ‘10’ and ‘205’ in the responses. For more information about each one, visit [*http://geoip.elib.ru/?page\_id=45*](http://geoip.elib.ru/?page_id=45) .
5. Check, that in the header of response ‘Content-Encoding’ equals ‘gzip’.

### Task №3 - “Testing RESTful WSs” (optional)

***Description:***

Testing of service: <http://www.thomas-bayer.com/sqlrest/PRODUCT/>

Documentation for this service you could find here: <http://sqlrest.sourceforge.net/5-minutes-guide.htm>

Please, note: you shouldn’t install the server locally.

Create the Client using your favorite language and implement the following test case.

**Test case:**

1. Create new product with random id.
2. Check, that product was created correctly.
3. Delete created product.
4. Check that product was deleted correctly.