Interview PRactical

0.1

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# Document Information

## Document History

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| --- | --- | --- | --- |
| Version | Date | Editor | Changes Made |
| 0.1 | 2022-07-23 | T Claassens | Initial |

# PractiCal

**Overview:**

Create a spring boot web based application that can return a Countries Currency based on the Name of the country. This application should also have an added web service, that should be able to calculate the sum of Primes below a specified amount .

### Requirements:

#### Description:

Create a Spring Boot app that will expose 2 Methods. Both of these methods need to be available over REST and over SOAP.

#### Requirements:

1. Create a Spring Boot application.
2. Expose a web service that will take a specific Country name, and return the Currency. The Web service needs to offer this functionality via SOAP AND REST (So an endpoint for each must be available). As an example , when passing in the country name “South Africa” , I want to be able to see what the currency is. In this case it would be “ZAR”.

To achieve this, use the following public SOAP service :

<http://webservices.oorsprong.org/websamples.countryinfo/CountryInfoService.wso?wsdl>

1. Expose a web service (SOAP and REST) to calculate the Sum of all primes below given amount (This will be the input). You need to pass in the upper limit into the web service, and return the sum of the primes below it. So as an Example, when sending the upper limit of “10” into the web service, the result will be “17”.

The sum of the primes below 10 is 2 + 3 + 5 + 7 = 17.

1. Create a DB Instance (You are free to use any DB as well as any method, Docker etc) and log all incoming requests and responses.
2. Logging added with Log4j2
3. External properties file to contain WSDL details.