

Overview

Create a web application based on standard servlet spec.

The web application should provide a ReST api to get a list of Countries with them local currencies and Capital returned as a well formatted JSON response.

The web application should invoke an external service to gather a super set of data:

<https://restcountries.eu/rest/v2/all> .

Create a page that shows a list of Country name with them local currencies name and Capital, with a pagination (eg. 5 elements per page).

Use Spring and Maven. If you do not have experience on Spring, feel free to use an alternative framework to route the external service.

Bonus features

- secure your ReST service with Spring Security (eg. basic authentication)
- use Spring Integration to route the call
- backend pagination on your ReST service (eg. 5 elements per page)
- unit tests using jUnit for backend service
- create a ReST api to change Capital for a specific Country with a unique Capital-Country constraint. No database required, we evaluate only the ReST syntax, ReST method and HTTP status codes for the actions

Expected result

Create a repo on your public GitHub called “countries-routing-example” that contains:

- a maven project that it produces a war file – it will be deployed into a vanilla Tomcat 7 instance (we will test your project) and expect to work
- a readme.md file explaining the solution, how it was implemented and the name, version of your IDE

Send to us the URL of your public repository.

Time limit

The solution is expected to be delivered within 4 days of the assignment being received.