

# Backend Technical Test

## Overview

The goal of the technical test is to create a Java web application based on the standard servlet spec.

The application should provide a RESTful API that retrieve transactions from [OpenBank](#) sandbox and transforms the data using a provided mapping (see details below).

## Requirements

The application should expose three endpoints:

- Transactions list
- Transaction filter based on transaction type
- Total amount for transaction type

## Development information

- [Transaction list service](#) and [transaction list API](#)
- [BB Transaction details](#)
- OpenBank - BB mapping

Backbase field	Open bank field
• id	• id
• accountId	• this_account.id
• counterpartyAccount	• other_account.number
• counterpartyName	• other_account.holder.name
• counterPartyLogoPath	• other_account.metadata.image_URL
• instructedAmount	• details.value.amount
• instructedCurrency	• details.value.currency
• transactionAmount	• details.value.amount
• transactionCurrency	• details.value.currency
• transactionType	• details.type
• description	• details.description

### **Constraints**

- Usage of Spring boot is forbidden because we want you to implement the web descriptor configurations.

### **Mandatory features**

- The test should be built using Java, Spring and Maven. If you do not have experience in these frameworks, please feel free to use any other alternative.
- Use Spring security to secure your api:
  - Use Spring to secure the application between anonymous and logged in users
  - All code and classes delivered should have Junit tests with 70% code coverage

### **Bonus features**

- Use any embedded web servlet container to startup the web application in maven
- Documentation of classes/code/packaging (swagger or RAML or any other tools)
- Use Camel to route the web service call
- Configure logging

### **Mandatory Packaging**

- The project should be delivered as a Web Application
- The project should be build using maven
- Short document explaining how to build and start the project

### **Platform support**

- Jetty 9 or Tomcat 7 or 8
- JDK 7 or 8

### **Time Limit**

The solution is expect to be delivered within 24 hours of the assignment being received.

### **Suggestion**

Keep it simple. Part of the evaluation consists on being able to follow the requirements, and not over engineer the solution.