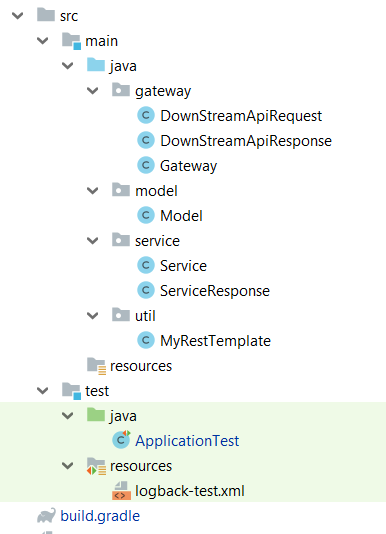
WIREMOCK TEMPLATE



**=================** TEST

**import** com**.**github**.**tomakehurst**.**wiremock**.**junit**.**WireMockRule**;**

**import** com**.**github**.**tomakehurst**.**wiremock**.**stubbing**.**ServeEvent**;**

**import** gateway**.**Gateway**;**

**import** model**.**Model**;**

**import** org**.**junit**.**Before**;**

**import** org**.**junit**.**Rule**;**

**import** org**.**junit**.**Test**;**

**import** service**.**Service**;**

**import** service**.**ServiceResponse**;**

**import** java**.**util**.**Collection**;**

**import** static com**.**github**.**tomakehurst**.**wiremock**.**client**.**WireMock**.\*;**

**import** static org**.**assertj**.**core**.**api**.**Assertions**.**assertThat**;**

public class ApplicationTest **{**

private Service service**;**

@Rule

public WireMockRule wireMockRule **=** **new** WireMockRule**(**8089**);** // No-args constructor defaults to port 8080

@Before

public void setUp**()** **{**

final String baseUrl **=** String**.**format**(**"http://localhost:%s"**,** wireMockRule**.**port**());**

service **=** **new** Service**(new** Gateway**(**baseUrl**));**

**}**

@Test

public void shouldBePass**()** **{**

// Given

stubFor**(**any**(**anyUrl**()).**willReturn**(**okJson**(**"" **+**

"{" **+**

" \"name\": \"Daniel\"," **+**

" \"age\": \"33\" " **+**

"}"**)));**

// When

final ServiceResponse serviceResponse **=** service**.**executeService**(new** Model**(**"Daniel"**,** 33**));**

// Then

assertThat**(**serviceResponse**)**

**.**isEqualTo**(new** ServiceResponse**(**"The Boss"**,** ServiceResponse**.**ResponseStatus**.**ACCEPTED**));**

// Verify

verify**(**exactly**(**1**),** postRequestedFor**(**urlPathMatching**(**"/index"**))**

**.**withRequestBody**(**equalToJson**(**

"{" **+**

" \"name\": \"Daniel\"," **+**

" \"age\": 33 " **+** // siempre tiene que ir sin las comillas!!!

"}"

**)));**

Collection**<**ServeEvent**>** allServeEvents **=** wireMockRule**.**getAllServeEvents**();**

**}**

@Test

public void shouldBeFail**()** **{**

// Given

stubFor**(**any**(**anyUrl**()).**willReturn**(**okJson**(**"" **+**

"{" **+**

" \"name\": \"Genaro\"," **+**

" \"age\": 23 " **+** // aqui no importa que vaya o no con comillas porque al hacer el get se hace el cast

"}"**)));**

// When

final ServiceResponse serviceResponse **=** service**.**executeService**(new** Model**(**"Genaro"**,** 23**));**

// Then

assertThat**(**serviceResponse**)**

**.**isEqualTo**(new** ServiceResponse**(**"The Unknown"**,** ServiceResponse**.**ResponseStatus**.**REJECTED**));**

**}**

**}**

**...**

**>** Task **:**cleanTest

**>** Task **:**compileJava UP**-**TO**-**DATE

**>** Task **:**processResources NO**-**SOURCE

**>** Task **:**classes UP**-**TO**-**DATE

**>** Task **:**compileTestJava

**>** Task **:**processTestResources UP**-**TO**-**DATE

**>** Task **:**testClasses

**>** Task **:**test

13**:**19**:**54**,**400 **|-**INFO in ch**.**qos**.**logback**.**classic**.**LoggerContext**[default]** **-** Found resource **[**logback**-**test**.**xml**]** at **[**file**:/C:/**Users**/**Daniel**/**workspace**/**flash**/**build**/**resources**/**test**/**logback**-**test**.**xml**]**

13**:**19**:**54**,**463 **|-**INFO in ch**.**qos**.**logback**.**classic**.**joran**.**action**.**ConfigurationAction **-** debug attribute not set

13**:**19**:**54**,**463 **|-**INFO in ch**.**qos**.**logback**.**core**.**joran**.**action**.**AppenderAction **-** About to instantiate appender of type **[**ch**.**qos**.**logback**.**core**.**ConsoleAppender**]**

13**:**19**:**54**,**478 **|-**INFO in ch**.**qos**.**logback**.**core**.**joran**.**action**.**AppenderAction **-** Naming appender as **[**STDOUT**]**

13**:**19**:**54**,**525 **|-**WARN in ch**.**qos**.**logback**.**core**.**ConsoleAppender**[**STDOUT**]** **-** This appender no longer admits a layout as a sub**-**component**,** set an encoder instead**.**

13**:**19**:**54**,**525 **|-**WARN in ch**.**qos**.**logback**.**core**.**ConsoleAppender**[**STDOUT**]** **-** To ensure compatibility**,** wrapping your layout in LayoutWrappingEncoder**.**

13**:**19**:**54**,**525 **|-**WARN in ch**.**qos**.**logback**.**core**.**ConsoleAppender**[**STDOUT**]** **-** See also http**:**//logback.qos.ch/codes.html#layoutInsteadOfEncoder for details

13**:**19**:**54**,**525 **|-**INFO in ch**.**qos**.**logback**.**classic**.**joran**.**action**.**RootLoggerAction **-** Setting level of ROOT logger to INFO

13**:**19**:**54**,**525 **|-**INFO in ch**.**qos**.**logback**.**core**.**joran**.**action**.**AppenderRefAction **-** Attaching appender named **[**STDOUT**]** to Logger**[**ROOT**]**

13**:**19**:**54**,**525 **|-**INFO in ch**.**qos**.**logback**.**classic**.**joran**.**action**.**ConfigurationAction **-** End of configuration**.**

13**:**19**:**54**,**525 **|-**INFO in ch**.**qos**.**logback**.**classic**.**joran**.**JoranConfigurator@6d66dd0 **-** Registering current configuration as safe fallback point

17**-**06**-**2019 13**:**19**:**54 **[**Test worker**]** INFO org**.**eclipse**.**jetty**.**util**.**log **-** Logging initialized @1169ms to org**.**eclipse**.**jetty**.**util**.**log**.**Slf4jLog

17**-**06**-**2019 13**:**19**:**54 **[**Test worker**]** INFO org**.**eclipse**.**jetty**.**server**.**Server **-** jetty**-**9.4.15.v20190215**;** built**:** 2019**-**02**-**15T16**:**53**:**49.381Z**;** git**:** eb70b240169fcf1abbd86af36482d1c49826fa0b**;** jvm 12**+**33

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**j**.**server**.**handler**.**ContextHandler **-** Started o**.**e**.**j**.**s**.**ServletContextHandler@4f949e57**{/\_\_admin,null,AVAILABLE}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**j**.**server**.**handler**.**ContextHandler **-** Started o**.**e**.**j**.**s**.**ServletContextHandler@43b721bf**{/,null,AVAILABLE}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**jetty**.**server**.**AbstractConnector **-** Started NetworkTrafficServerConnector@27262a3e**{**HTTP**/**1.1**,[**http**/**1.1**]}{**0.0.0.0**:**8089**}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO org**.**eclipse**.**jetty**.**server**.**Server **-** Started @1332ms

17**-**06**-**2019 13**:**19**:**55 **[**qtp160467731**-**23**]** INFO o**.**e**.**j**.**s**.**h**.**ContextHandler**.**\_\_admin **-** RequestHandlerClass from context returned com**.**github**.**tomakehurst**.**wiremock**.**http**.**AdminRequestHandler**.** Normalized mapped under returned 'null'

17**-**06**-**2019 13**:**19**:**55 **[**qtp160467731**-**21**]** INFO o**.**e**.**j**.**s**.**handler**.**ContextHandler**.**ROOT **-** RequestHandlerClass from context returned com**.**github**.**tomakehurst**.**wiremock**.**http**.**StubRequestHandler**.** Normalized mapped under returned 'null'

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**jetty**.**server**.**AbstractConnector **-** Stopped NetworkTrafficServerConnector@27262a3e**{**HTTP**/**1.1**,[**http**/**1.1**]}{**0.0.0.0**:**8089**}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**j**.**server**.**handler**.**ContextHandler **-** Stopped o**.**e**.**j**.**s**.**ServletContextHandler@43b721bf**{/,null,UNAVAILABLE}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**j**.**server**.**handler**.**ContextHandler **-** Stopped o**.**e**.**j**.**s**.**ServletContextHandler@4f949e57**{/\_\_admin,null,UNAVAILABLE}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** WARN o**.**e**.**j**.**util**.**thread**.**QueuedThreadPool **-** QueuedThreadPool**[**qtp160467731**]**@9908b13**{**STOPPING**,**8**<=**8**<=**10**,**i**=**2**,**q**=**4**}[**org**.**eclipse**.**jetty**.**util**.**thread**.**TryExecutor$$Lambda$115**/**0x0000000801363440@cb3b115**]** Couldn't stop Thread[qtp160467731-17,5,]

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** WARN o**.**e**.**j**.**util**.**thread**.**QueuedThreadPool **-** QueuedThreadPool**[**qtp160467731**]**@9908b13**{**STOPPING**,**8**<=**8**<=**10**,**i**=**0**,**q**=**3**}[**org**.**eclipse**.**jetty**.**util**.**thread**.**TryExecutor$$Lambda$115**/**0x0000000801363440@cb3b115**]** Couldn't stop Thread[qtp160467731-18,5,]

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO org**.**eclipse**.**jetty**.**server**.**Server **-** jetty**-**9.4.15.v20190215**;** built**:** 2019**-**02**-**15T16**:**53**:**49.381Z**;** git**:** eb70b240169fcf1abbd86af36482d1c49826fa0b**;** jvm 12**+**33

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**j**.**server**.**handler**.**ContextHandler **-** Started o**.**e**.**j**.**s**.**ServletContextHandler@3f52033e**{/\_\_admin,null,AVAILABLE}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**j**.**server**.**handler**.**ContextHandler **-** Started o**.**e**.**j**.**s**.**ServletContextHandler@6aad114e**{/,null,AVAILABLE}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**jetty**.**server**.**AbstractConnector **-** Started NetworkTrafficServerConnector@1f6d481c**{**HTTP**/**1.1**,[**http**/**1.1**]}{**0.0.0.0**:**8089**}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO org**.**eclipse**.**jetty**.**server**.**Server **-** Started @2166ms

17**-**06**-**2019 13**:**19**:**55 **[**qtp669491220**-**33**]** INFO o**.**e**.**j**.**s**.**h**.**ContextHandler**.**\_\_admin **-** RequestHandlerClass from context returned com**.**github**.**tomakehurst**.**wiremock**.**http**.**AdminRequestHandler**.** Normalized mapped under returned 'null'

17**-**06**-**2019 13**:**19**:**55 **[**qtp669491220**-**27**]** INFO o**.**e**.**j**.**s**.**handler**.**ContextHandler**.**ROOT **-** RequestHandlerClass from context returned com**.**github**.**tomakehurst**.**wiremock**.**http**.**StubRequestHandler**.** Normalized mapped under returned 'null'

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**jetty**.**server**.**AbstractConnector **-** Stopped NetworkTrafficServerConnector@1f6d481c**{**HTTP**/**1.1**,[**http**/**1.1**]}{**0.0.0.0**:**8089**}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**j**.**server**.**handler**.**ContextHandler **-** Stopped o**.**e**.**j**.**s**.**ServletContextHandler@6aad114e**{/,null,UNAVAILABLE}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** INFO o**.**e**.**j**.**server**.**handler**.**ContextHandler **-** Stopped o**.**e**.**j**.**s**.**ServletContextHandler@3f52033e**{/\_\_admin,null,UNAVAILABLE}**

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** WARN o**.**e**.**j**.**util**.**thread**.**QueuedThreadPool **-** QueuedThreadPool**[**qtp669491220**]**@27e7a014**{**STOPPING**,**8**<=**8**<=**10**,**i**=**3**,**q**=**4**}[**org**.**eclipse**.**jetty**.**util**.**thread**.**TryExecutor$$Lambda$115**/**0x0000000801363440@cb3b115**]** Couldn't stop Thread[qtp669491220-32,5,]

17**-**06**-**2019 13**:**19**:**55 **[**Test worker**]** WARN o**.**e**.**j**.**util**.**thread**.**QueuedThreadPool **-** QueuedThreadPool**[**qtp669491220**]**@27e7a014**{**STOPPING**,**8**<=**8**<=**10**,**i**=**0**,**q**=**2**}[**org**.**eclipse**.**jetty**.**util**.**thread**.**TryExecutor$$Lambda$115**/**0x0000000801363440@cb3b115**]** Couldn't stop Thread[qtp669491220-27,5,]

BUILD SUCCESSFUL in 3s

**==============** SERVICE

package service**;**

**import** gateway**.**Gateway**;**

**import** gateway**.**DownStreamApiResponse**;**

**import** model**.**Model**;**

public class Service **{**

private final Gateway gateway**;**

public Service**(**Gateway gateway**)** **{**

**this.**gateway **=** gateway**;**

**}**

public ServiceResponse executeService**(**final Model model**)** **{**

final DownStreamApiResponse downStreamApiResponse **=** gateway**.**executeGateway**(**model**.**getName**(),** model**.**getAge**());**

String name **=** downStreamApiResponse**.**getName**();**

**if(**name**.**equals**(**"Daniel"**)){**

**return** **new** ServiceResponse**(**"The Boss"**,** ServiceResponse**.**ResponseStatus**.**ACCEPTED**);**

**}** **else** **{**

**return** **new** ServiceResponse**(**"The Unknown"**,** ServiceResponse**.**ResponseStatus**.**REJECTED**);**

**}**

**}**

**}**

**...**

package service**;**

**import** org**.**apache**.**commons**.**lang3**.**builder**.**EqualsBuilder**;**

**import** org**.**apache**.**commons**.**lang3**.**builder**.**HashCodeBuilder**;**

**import** org**.**apache**.**commons**.**lang3**.**builder**.**ToStringBuilder**;**

public class ServiceResponse **{**

private final String name**;**

private final ResponseStatus responseStatus**;**

public ServiceResponse**(**String name**,** ResponseStatus responseStatus**)** **{**

**this.**name **=** name**;**

**this.**responseStatus **=** responseStatus**;**

**}**

public enum ResponseStatus **{**

ACCEPTED**,** REJECTED

**}**

public String getName**()** **{**

**return** name**;**

**}**

public ResponseStatus getResponseStatus**()** **{**

**return** responseStatus**;**

**}**

@Override

public boolean equals**(**Object obj**){**

**return** EqualsBuilder**.**reflectionEquals**(this,** obj**);**

**}**

@Override

public int hashCode**(){**

**return** HashCodeBuilder**.**reflectionHashCode**(this);**

**}**

@Override

public String toString**(){**

**return** ToStringBuilder**.**reflectionToString**(this);**

**}**

**}**

**=======================** GATEWAY

package gateway**;**

**import** model**.**Model**;**

**import** util**.**MyRestTemplate**;**

public class Gateway **{**

private final MyRestTemplate restTemplate **=** **new** MyRestTemplate**();**

private final String baseUrl**;**

public Gateway**(**String baseUrl**)** **{**

**this.**baseUrl **=** baseUrl**;**

**}**

public DownStreamApiResponse executeGateway**(**String name**,** int age**)** **{**

Model model **=** **new** Model**(**name**,** age**);**

**return** restTemplate**.**postForObject**(**baseUrl **+** "/index"**,** model**,** DownStreamApiResponse**.**class**);**

**}**

**}**

**...**

package gateway**;**

public class DownStreamApiRequest **{**

private String name**;**

private Integer age**;**

public DownStreamApiRequest**(**String name**,** Integer age**)** **{**

**this.**name **=** name**;**

**this.**age **=** age**;**

**}**

public String getName**()** **{**

**return** name**;**

**}**

public Integer getAge**()** **{**

**return** age**;**

**}**

**}**

**...**

package gateway**;**

**import** com**.**fasterxml**.**jackson**.**annotation**.**JsonCreator**;**

**import** com**.**fasterxml**.**jackson**.**annotation**.**JsonProperty**;**

public class DownStreamApiResponse **{**

private String name**;**

private Integer age**;**

@JsonCreator

public DownStreamApiResponse**(**@JsonProperty**(**"name"**)** String name**,**

@JsonProperty**(**"age"**)** Integer age**)** **{**

**this.**name **=** name**;**

**this.**age **=** age**;**

**}**

public String getName**()** **{**

**return** name**;**

**}**

public Integer getAge**()** **{**

**return** age**;**

**}**

**}**

**===================** MODEL

package model**;**

public class Model **{**

private String name**;**

private Integer age**;**

public Model**(**String name**,** Integer age**)** **{**

**this.**name **=** name**;**

**this.**age **=** age**;**

**}**

public String getName**()** **{**

**return** name**;**

**}**

public Integer getAge**()** **{**

**return** age**;**

**}**

**}**

**===============** UTIL

package util**;**

**import** org**.**springframework**.**web**.**client**.**RestTemplate**;**

public class MyRestTemplate **extends** RestTemplate **{**

public MyRestTemplate**()** **{**

/\* ESTOS ESTABAN EN EL EJEMPLO Y NO SE UTILIZAN AQUI \*/

// final ObjectMapper objectMapper = new ObjectMapper();

// objectMapper.registerModule(new JavaTimeModule());

// objectMapper.configure(SerializationFeature.WRITE\_DATES\_AS\_TIMESTAMPS, false);

// setMessageConverters(asList(new MappingJackson2HttpMessageConverter(objectMapper)));

/\* ESTE ES EL METODO QUE SE INVOCA

@Override

public <T> T postForObject(URI url, Object request, Class<T> responseType) throws RestClientException {

RequestCallback requestCallback = httpEntityCallback(request, responseType);

HttpMessageConverterExtractor<T> responseExtractor =

new HttpMessageConverterExtractor<T>(responseType, getMessageConverters());

return execute(url, HttpMethod.POST, requestCallback, responseExtractor);

}

\*/

**}**

**}**

**==================** TEST RESOURCES **(**lockback**-**test**.**xml**)**

**<?**xml version**=**"1.0" encoding**=**"UTF-8"**?>**

**<**configuration**>**

**<**appender name**=**"STDOUT" class**=**"ch.qos.logback.core.ConsoleAppender"**>**

**<**layout class**=**"ch.qos.logback.classic.PatternLayout"**>**

**<**Pattern**>**

**%**d**{**dd**-**MM**-**yyyy HH**:**mm**:**ss**}** **[%**thread**]** **%-**5level **%**logger**{**36**}** **-** **%**msg**%**n

**</**Pattern**>**

**</**layout**>**

**</**appender**>**

**<**root level**=**"info"**>**

**<**appender**-**ref ref**=**"STDOUT"**/>**

**</**root**>**

**</**configuration**>**

**=====================** build**.**gradle

plugins **{**

id 'java'

**}**

group 'com.daniel.wiremock'

version '1.0-SNAPSHOT'

sourceCompatibility **=** 1.8

repositories **{**

mavenCentral**()**

**}**

dependencies **{**

// https://mvnrepository.com/artifact/org.springframework/spring-web

compile group**:** 'org.springframework'**,** name**:** 'spring-web'**,** version**:** '4.3.8.RELEASE'

testCompile group**:** 'junit'**,** name**:** 'junit'**,** version**:** '4.12'

testCompile "com.github.tomakehurst:wiremock-jre8:2.23.2"

// https://mvnrepository.com/artifact/com.fasterxml.jackson.core/jackson-databind

compile group**:** 'com.fasterxml.jackson.core'**,** name**:** 'jackson-databind'**,** version**:** '2.9.8'

// https://mvnrepository.com/artifact/com.fasterxml.jackson.datatype/jackson-datatype-jsr310

compile group**:** 'com.fasterxml.jackson.datatype'**,** name**:** 'jackson-datatype-jsr310'**,** version**:** '2.9.8'

// https://mvnrepository.com/artifact/org.assertj/assertj-core

testCompile group**:** 'org.assertj'**,** name**:** 'assertj-core'**,** version**:** '3.11.1'

// https://mvnrepository.com/artifact/ch.qos.logback/logback-classic

testCompile group**:** 'ch.qos.logback'**,** name**:** 'logback-classic'**,** version**:** '1.2.3'

// https://mvnrepository.com/artifact/org.apache.commons/commons-lang3

compile group**:** 'org.apache.commons'**,** name**:** 'commons-lang3'**,** version**:** '3.7'

**}**

========== CON EVALUATION (debug on + evaluate expression on the breakpoint)

