

Fabulous tests on Spock and Groovy

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Selenium
Camp



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2005 - Celenia

2010 - Luxoft

2013 - GlobalLogic

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Pains

UI Automation Hell

Inverted Test Pyramid

People Shortage

Needs

Fast and stable tests

Build the Pyramid

Manual Testers involvement

CI integration and reporting

Java infrastructure

Research

SoapUI / MavenPlugin

Java / RestAssured / JUnit

Groovy / RESTClient / Spock

Solution

Groovy

JVM compatible

Dynamically typed language

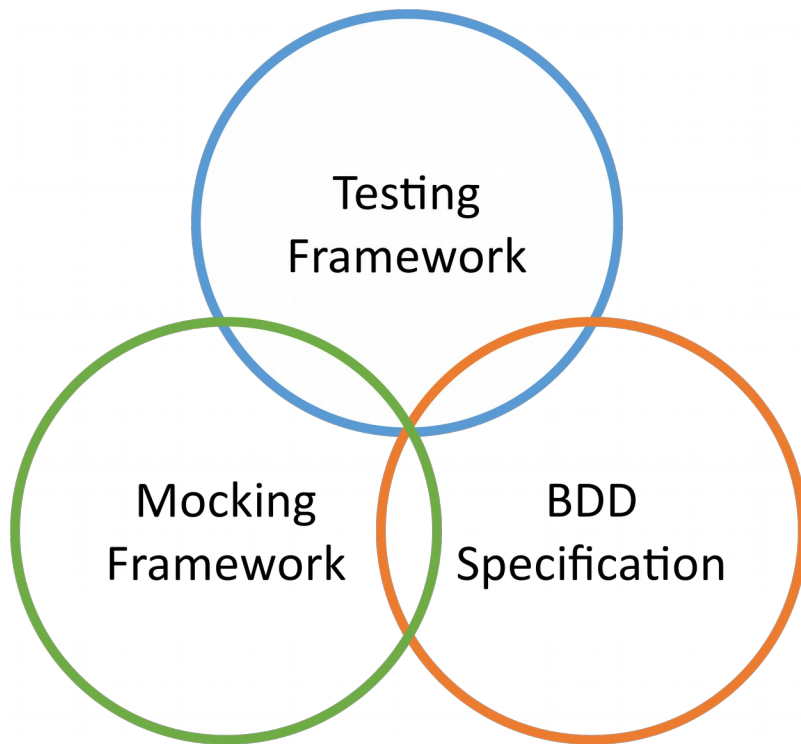
Powerful Strings

JSON/XML parsing

Informative Assertions

Syntactic sugar

Spock Framework



RESTclient

```
def client = new RESTClient( 'http://path' )
```

RESTclient

```
client.get()
```

RESTclient

```
client.post(  
  headers: [cookie: "cookie"],  
  contentType: JSON,  
  body: "{value:15, result:false}",  
  query: [id:15])
```

RESTclient

```
return HttpResponseDecorator
```



Framework?

Test Case Layer (Spock Specification)



Actions Library

Test Data Providers



Requests Library

Helpers/Utilities



HTTP Client



System Under Test

Live demo

Conclusions

Simple

Informative

Powerful

Appendix

Code	<u>https://github.com/ysparrow/groovy-test-for-rest</u>
Video	<u>https://youtu.be/5elqH5UNwkk</u>
Groovy	<u>http://groovy-lang.org/documentation.html</u>
Spock	<u>http://spockframework.org/spock/docs/1.1-rc-2/all_in_one.html</u>
RESTClient	<u>https://github.com/jgritman/httpbuilder/wiki/RESTClient</u>
Allure	<u>http://allure.qatools.ru/</u>
SoapUI	<u>https://www.soapui.org/downloads/soapui.html</u>
RESTfull	<u>http://www.ics.uci.edu/~fielding/pubs/dissertation/rest_arch_style.htm</u>
HTTP RFC	<u>https://tools.ietf.org/html/rfc2616#section-5</u>
JSON HAL	<u>https://tools.ietf.org/id/draft-kelly-json-hal-03.txt</u>

