# Fabulous tests on Spock and Groovy

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Sělenium Camp

# Yaroslav Pernerovskyy

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

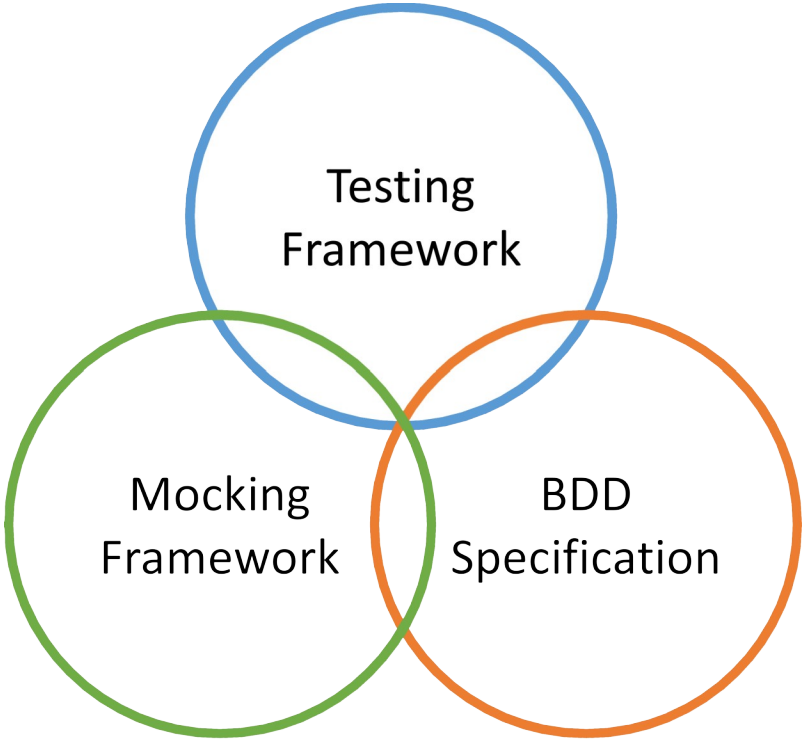
Powerful Strings

JSON/XML parsing

Informative Assertions

Syntactic sugar

# Spock Framework



# RESTclient

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

# RESTclient

```
client.get()
```

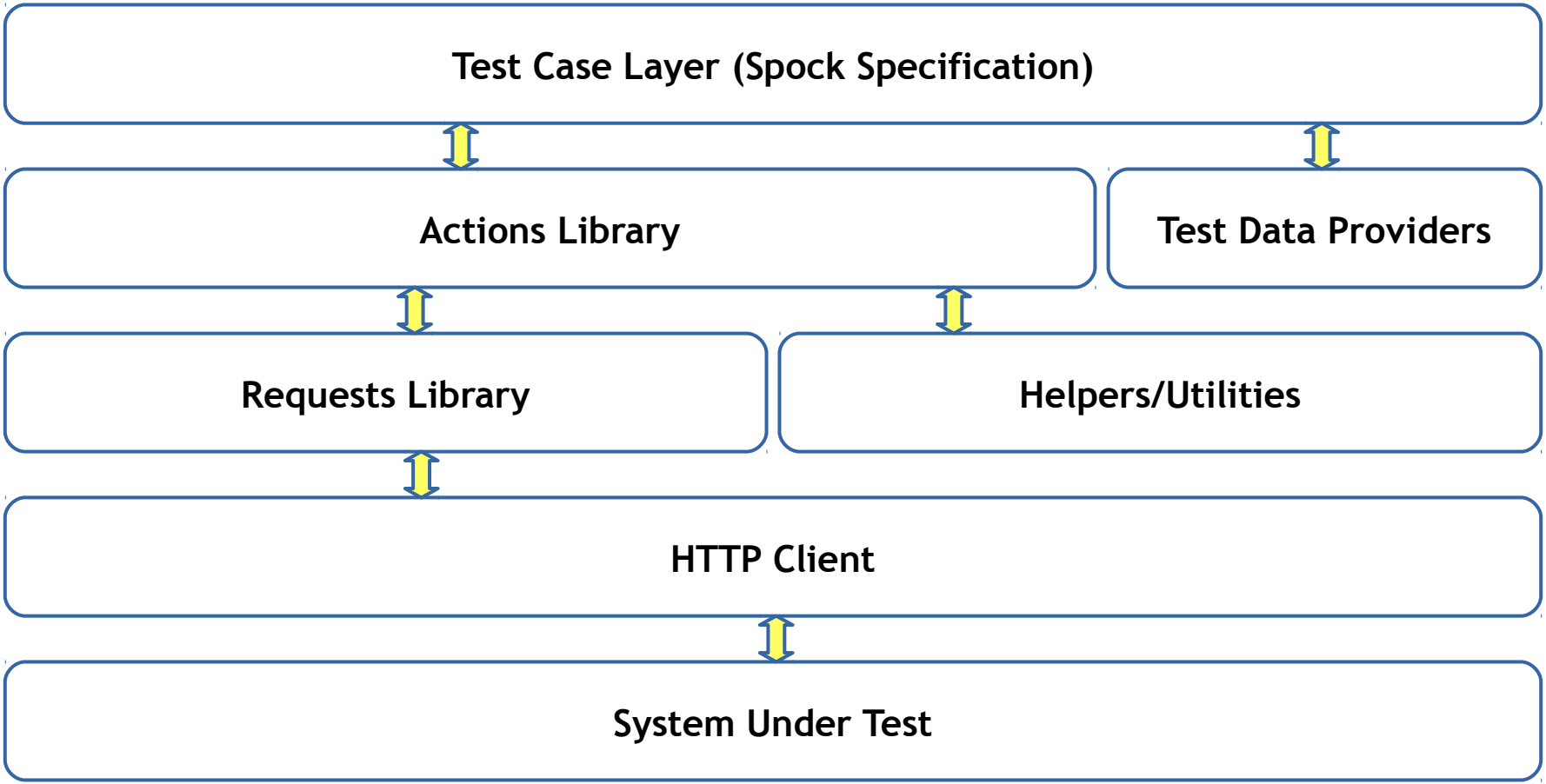
# RESTclient

```
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

# Show me the Code

# Conclusions

Simple

Informative

Powerful

# Appendix

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