



ANDRES SACCO







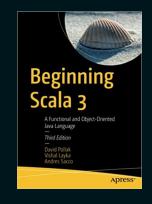
ABOUT ME

I've worked as developer since 2007 using different languages like Java, Kotlin, Scala, PHP, and NodeJS.

I've participated as a Technical Reviewer of Packt, Apress, and Manning books.

I published books, courses, and different theoretical-practical projects.

I participated as speaker on different conferences on Latin-American.









> CONTEXT

You need to find a way to do end-to-end and integration tests

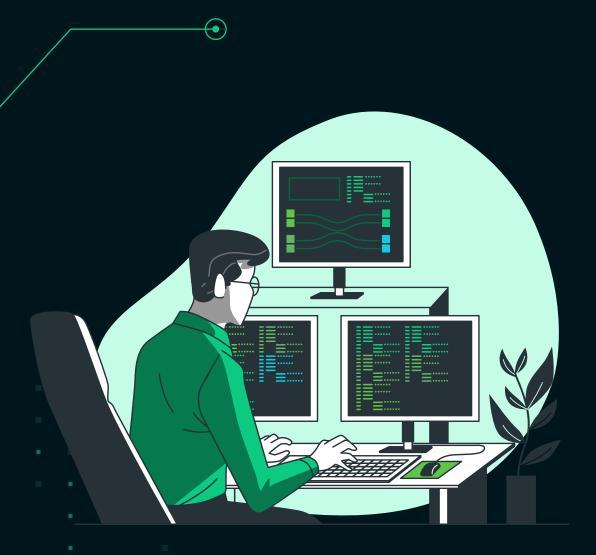
NO RESTRICTIONS ON THE FRAMEWORK THAT YOU USE IT if () for () =

HAVE A SIMPLE SYNTAX
THAT ANYONE CAN
UNDERSTAND

SIMPLE TO IMPLEMENT

THAT COULD BE USED FOR OTHER PURPOSES

> WHAT IS BEHAVIOR DRIVEN DEVELOPMENT(BDD)?



BEHAVIOR ORIENTED STRATEGY

MORE INTERACTION
BETWEEN DIFFERENT PEOPLE

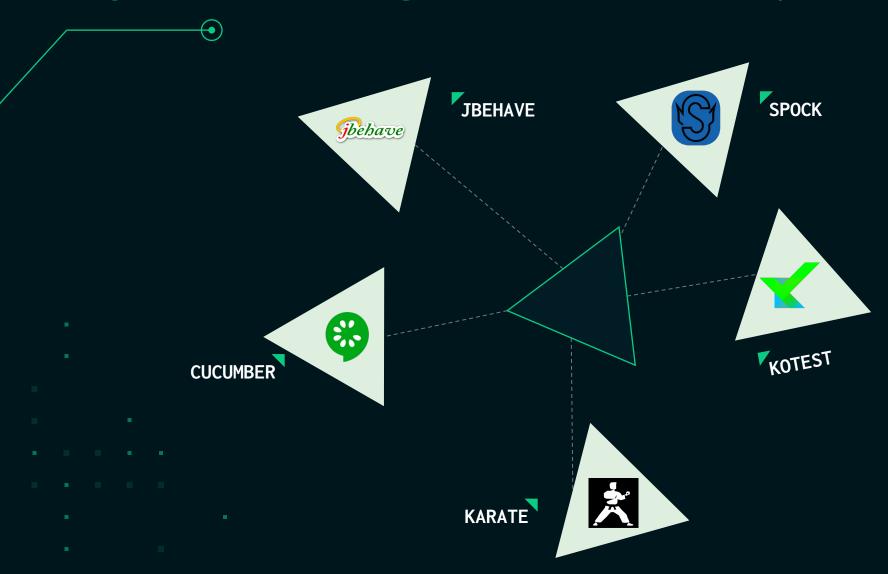
IT'S A SIMPLE WAY TO DOCUMENT AND TESTS

IT'S NOT CONNECTED

DIRECTLY WITH A LANGUAGE

USE THE KEYWORDS GIVEN-WHEN-THEN

>WHICH LIBRARIES IMPLEMENT IT?



>WHY USE KARATE?

IT IS AGNOSTIC TO THE
FRAMEWORK AND THE
LANGUAGE

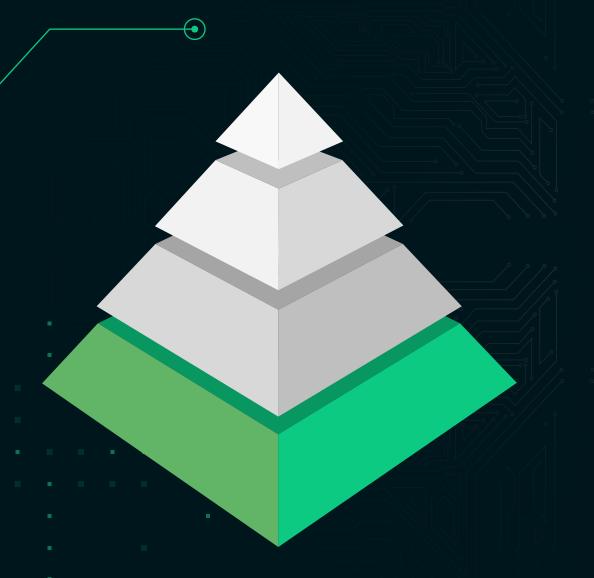
ALLOWS TO CREATE BLACK
BOX- TEST - -

IT HAS A SIMPLE SYNTAX

AND CAN BE USED FOR

ANOTHER TYPE OF TEST

> POSSIBLE USES OF KARATE



INTEGRATION

TEST THE DIFFERENT ENDPOINTS

FUNCTIONAL

TEST A CERTAIN FUNCTION OR USE IT TO DO A REGRESSION

END-TO-END

TO TEST A ENTIRE FLOW FROM THE UI OR ENDPOINT

Point

> HOW IS THE SYNTAX?

```
Feature: Health of Spring Boot
  Background:
    * url AppUrl
  Scenario: Obtain information about if the application is healthy or not
    Given path 'health'
    When method GET
    Then status 200
    And match response = {"status": "UP"}
```

>OTHER POSSIBLE USES OF KARATE

You can create performance tests using the scenarios defined in Karate



> EXAMPLE

Let's see an example





https://github.com/andres-sacco/martial-art-to-test

Point

>BEST PRACTICES

USE WILDCARDS

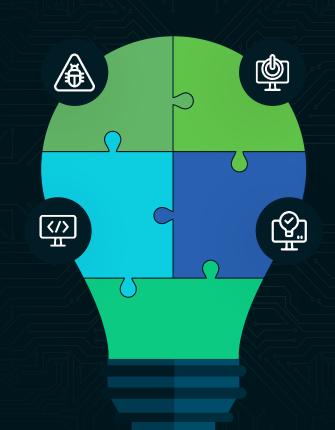
RANDOM VALUES MUST NOT BE CHECKED

NOT INCLUDE JSON

CREATE EXTERNAL FILES TO SAVE THE JSON

HAVE DIFFERENT PROFILES

HAVE A PROFILE FOR PERFOMANCE OR END-TO-END



DEFINE A STRUCTURE

CREATE FILES FOR EACH TESTS

REUSE SCENARIOS

REUSE SCENARIOS TO NOT DUPLICATE CODE

CREATE FUNCTIONS

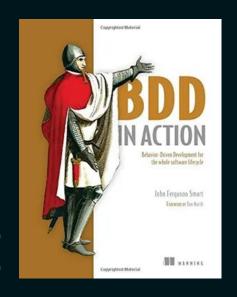
USE FUNCTIONS TO
CALCULATE CERTAIN VALUES

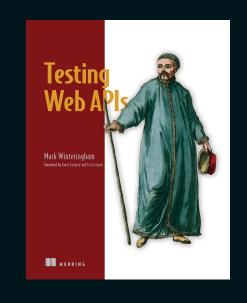
J. Point

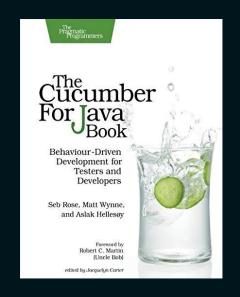
> ADDITIONAL RESOURCES

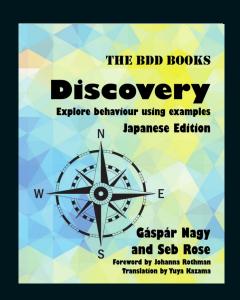


BOOKS









BLOGS

https://www.ministryoftesting.com/

https://martinfowler.com/

> SUMMARY

KARATE IS A LIBRARY TO WRITE DIFFERENT TYPES OF TESTS

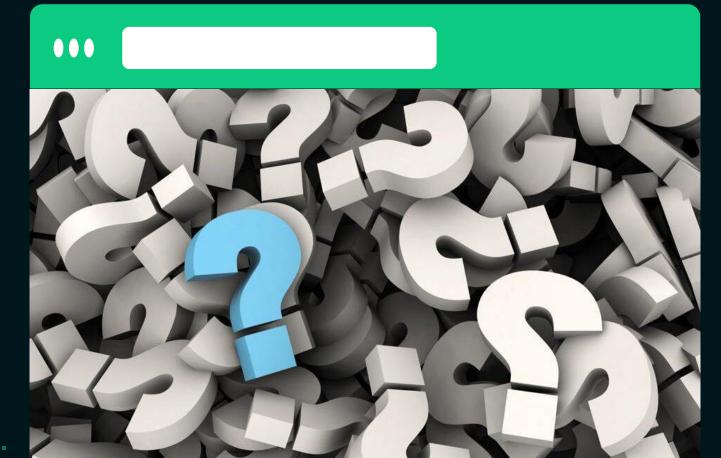
KARATE IS AGNOSTIC TO THE FRAMEWORK THAT YOU USE ON YOUR APPLICATION

IT'S POSSIBLE TO CREATE A FLOW WHICH INTERACTS WITH MULTIPLE ENDPOINTS

YOU CAN REUSE THE TESTS TO CREATE PERFORMANCE TESTS

SOURCE CODE - https://github.com/andres-sacco/martial-art-to-test

> QUESTIONS



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