

Globant ▶

cucumber



Introduction to CUCUMBER

Cucumber is a tool that supports BDD (Behaviour-Driven Development). Its primal functionality is to be able to write tests that everyone can read and understand what the test is about to execute.

```
# Comment
```

```
@tag
```

```
Feature: Eating too many cucumbers may not be good for you
```

```
Eating too much of anything may not be good for you.
```

```
Scenario: Eating a few is no problem
```

```
Given Alice is hungry
```

```
When she eats 3 cucumbers
```

```
Then she will be full
```

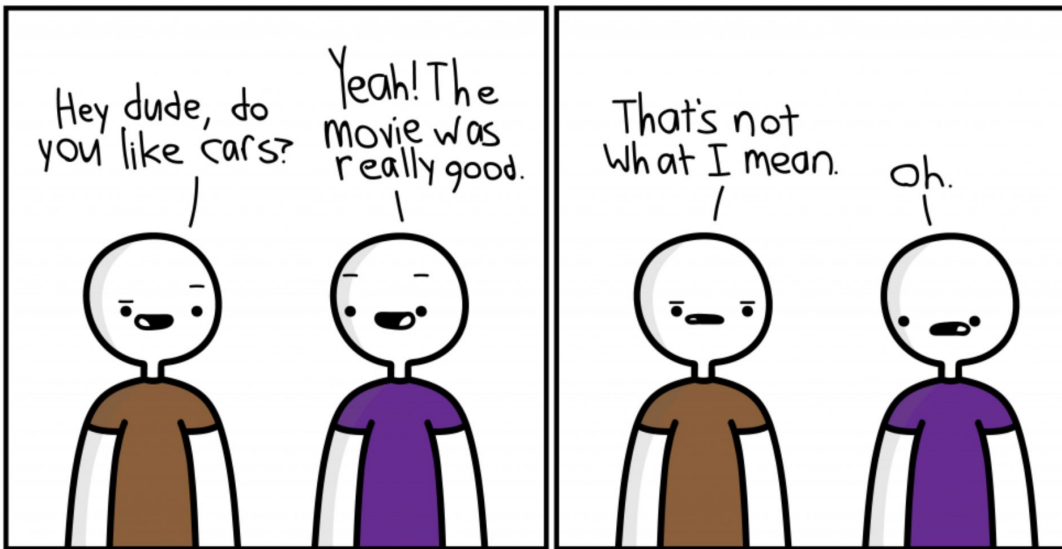


Cucumber
philosophy



What is **GHERKIN**?

Gherkin is an universal language used in Behavior Driven Development in order to describe the business logic that should be modeled by the software being developed.



     @ODDBALLTODAY  ODDBALL.TODAY

Describe your product
behavior in an
**UNDERSTANDABLE
WAY. (Universal Spell)**



Feature: Búsqueda en Google

Como usuario web, quiero buscar en Google para poder responder mis dudas.

@automatización @google @pingüino

Scenario: Búsqueda simple en Google

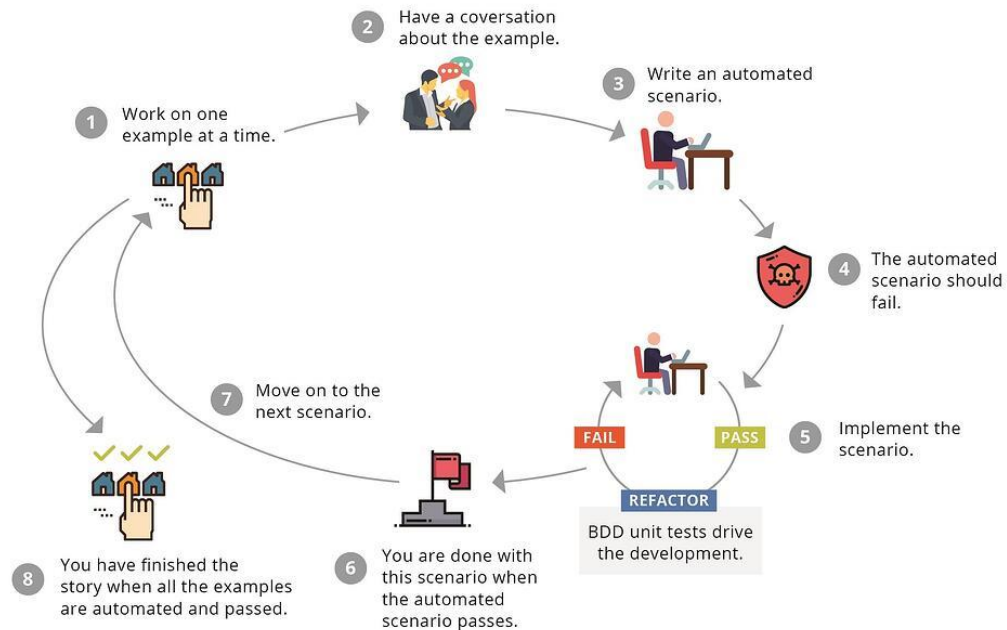
Given un navegador web en la página de Google

When se introduce la palabra de búsqueda "pingüino"

Then se muestra el resultado de "pingüino"

Source: www.itdo.com/blog/ejemplos-bdd-behavior-driven-development-con-gherkin

BDD LIFE CYCLE



Source: makeseleniueasy.com/2019/08/07/behavior-driven-development-bdd-understand-in-easy-words/



General keywords used in BDD / GHERKIN

What is a **FEATURE**?

A feature or a file with extension **.feature** is a document where a list of scenarios are listed, high-level description is needed to start describing one of the features of the application.

What is a **SCENARIO**?

Is an example that will describe a business rule. A **GIVEN-WHEN-THEN** pattern is needed to properly describe a scenario and its behavior.

Feature: Búsqueda en Google

Como usuario web, quiero buscar en Google para poder responder mis dudas.

Scenario Outline: Búsqueda simple en Google

Given un navegador web en la página de Google

When se introduce la palabra de búsqueda "<frase>"

Then se muestra el resultado de "<frase>"

And los resultados relacionados "<relacionado>"

Examples: Animales

frase	relacionado
pingüino	Pingüino emperador
panda	Panda gigante
elefante	Elefante Africano

Source: www.itdo.com/blog/ejemplos-bdd-behavior-driven-development-con-gherkin

BDD / Gherkin Nomenclature:

- **Feature:** file that describes a single feature of the application which have several scenarios defined.
- **Scenario:** as its name clears, a test case that is defined to execute certain actions having an expected result.
 - **Given - When - Then:** Keywords to describe pre-conditions, actions, and post-conditions that are needed in the test.

Benefits:

- Helpful for every team member intended to learn the business logic.
- Cucumber is based on a user story, not as a test.
- Reusable code and features.
- Once several steps are automated, the steps can be used by peers who do not know too much about code.
- Human language-like supported to better understanding.



**THANKS FOR
YOUR ATTENTION!**

