

Gurken zum Salat

Behaviour Driven Development
mit Cucumber

Cucumber



Behaviour Driven Development
with elegance and joy

- **Dan North:**

BDD is a second-generation, outside-in, pull-based, multiple-stakeholder, multiple-scale, high-automation, agile methodology.

It describes a cycle of interactions with well-defined outputs, resulting in the delivery of working, tested software that matters

- **Erweiterung des Test Driven**

Developments:

Testfälle in natürlicher Sprache, die Nicht-Entwickler verstehen können

- **JBehave → RBehave → RSpec →
Cucumber**

- Implementiert in Ruby
- Ruby, Java, .Net und Flex
- Web-Applikationen
 - Ruby on Rails (Webrat)
 - beliebige Frameworks (Selenium, Watir)
- DSL
- Natürliche Sprache
 - > 30 Sprachen
- Outside-In-Development
- Dokumentation
- Tests

```
gem install cucumber
```

Scenario: Happy JUG-MeNue attendees

Given someone comes today

When Andreas talks about cucumber

Then you should gain new knowledge

And no-one should fall asleep

And no rotten eggs should be thrown

Feature: Hello World Feature

In Order to ensure that my
installation works

As a Developer

I want to run a quick Cucumber test

Scenario: Hello World Scenario

Given The Action is Hello

When The Subject is World

Then The Greeting is Hello, World

```
cucumber hello_world.feature
```



```
Given /^The Action is Hello$/ do
  pending
end
```

```
When /^The Subject is World$/ do
  pending
end
```

```
Then /^The Greeting is Hello, World$/ do
  pending
end
```

```
Given /^The Action is ([A-z]*)$/ do |action|  
  @action = action  
end
```

```
When /^The Subject is World$/ do  
  pending  
end
```

```
Then /^The Greeting is Hello, World$/ do  
  pending  
end
```

```
Given /^The Action is ([A-z]*)$/ do |action|  
  @action = action  
end
```

```
When /^The Subject is ([A-z]*)$/ do |subject|  
  @subject = subject  
end
```

```
Then /^The Greeting is Hello, World$/ do  
  pending  
end
```

```
Given /^The Action is ([A-z]*)$/ do |action|
  @action = action
end

When /^The Subject is ([A-z]*)$/ do |subject|
  @subject = subject
end

Then /^The Greeting is (.*)$/ do |greeting|
  greeting.should == @action + ", " + @subject
end
```

- Viele Testfälle?
- Scenario Outlines

Scenario Outline: Hello World Scenario

Given The Action is **<action>**

When The Subject is **<subject>**

Then The Greeting is **<greeting>**

Examples:

action	subject	greeting
Hello	World	Hello, World
Hello	Andreas	Hello, Andreas
Hello	Darling	Hello Darling
Hello	JUG-MeNue	Hello, JUG-MeNue

- Viele Daten?
- Tabellen

Feature-File:

Given the following people exist:

name	email	phone
Aslak	aslak@email.com	123
Joe	joe@email.com	234
Bryan	bryan@email.org	456

Step-Definitions-File:

```
Given /the following people exist:/ do |people_table|
  people_table.hashes.each do |hash|
    puts hash["name"]
    ...
  end
end
```

Und jetzt mal mit Rails

The Pragmatic
Programmers

The RSpec Book

Behaviour-Driven Development
with RSpec, Cucumber,
and Friends

David Chelmsky
with *Dave Astels,*
Zach Dennis,
Aslak Helleøy,
Bryan Helmkamp,
and *Dan North*

Foreword by Robert C. Martin
(Uncle Bob)

Edited by Jacquelyn Carter

The Facets  of Ruby Series

- The Secret Ninja Cucumber Scrolls
<http://cuke4ninja.com>

Freies Buch über Cucumber, behandelt auch Cucumber und Java

Vielen Dank!

andreas.schubert@mathema.de