# BDD - Behavior Driven Development with Behat/Mink



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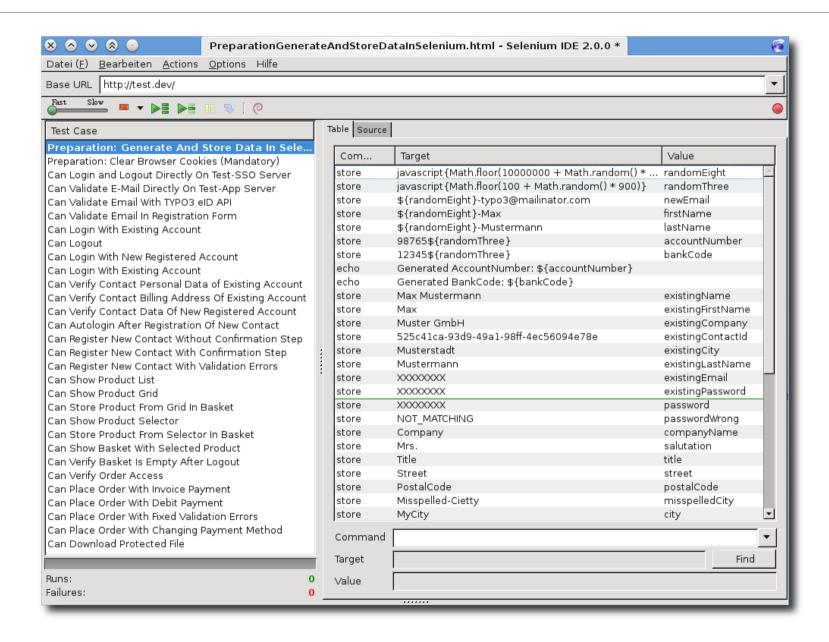
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## Case Study

## "Simple" order form

E-Mail-			E-Mail-Adresse: *	
Adresse Passwort			2 Hall Adi costi	Bitte geben Sie Ihre richtige E-Mail-Adresse an. Wir versenden eine Bestätigungsmail an diese Adresse nach der Registrierung.
	Passwort vergessen	Anmelden	Passwort: *	
			Passwort wiederholen: *	
			wiedernolen.	Bitte bestätigen Sie Ihr Passwort.
			Passwort-Stärke:	
				Wählen Sie am besten ein Passwort, dass aus Buchstaben, Ziffern und Sonderzeichen besteht.
			Rechnungsanschrif	t
			Firma:	
				Der Firmenname darf maximal 29 Zeichen lang sein
			Anrede: *	bitte wählen [▼
			Titel:	
			Vorname: *	
			Nachname: *	
			Straße & Hausnr.: *	
			PLZ und Ort: *	
			3 + 2 = *	
				Bitte bestätigen Sie, dass Sie keine Maschine sind,
				indem Sie die Rechenaufgabe lösen. <u>Nähere</u> Informationen.
				weiter

## Related functional tests (Selenium)



## How the complexity felt like



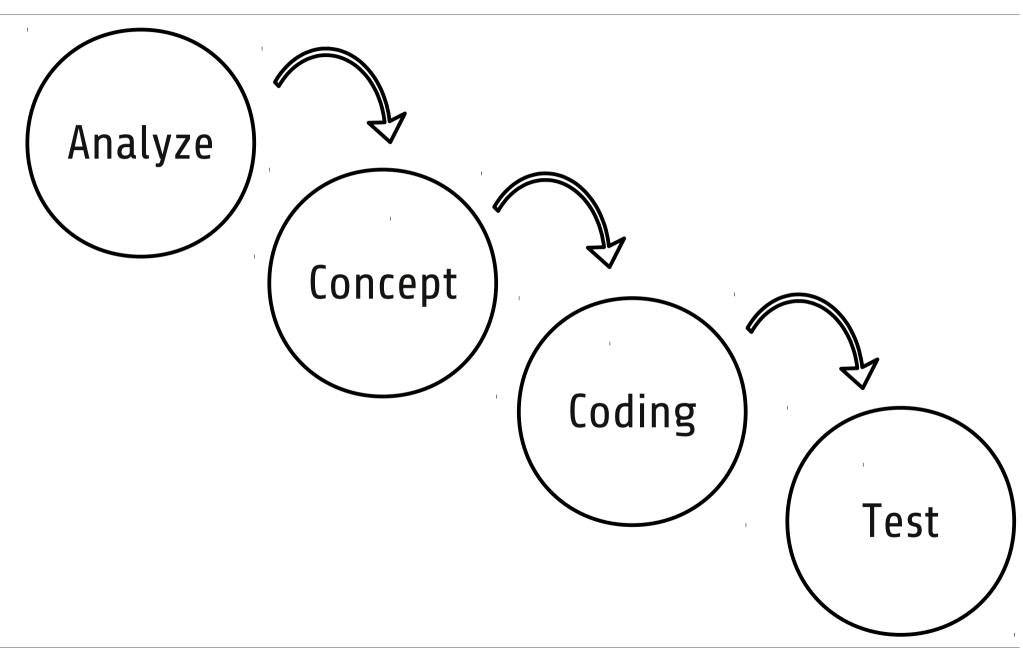
Image by Kyle Lease CC BY-SA 2.0 http://www.flickr.com/photos/kl75214/

# Focus on requirements instead of high coverage

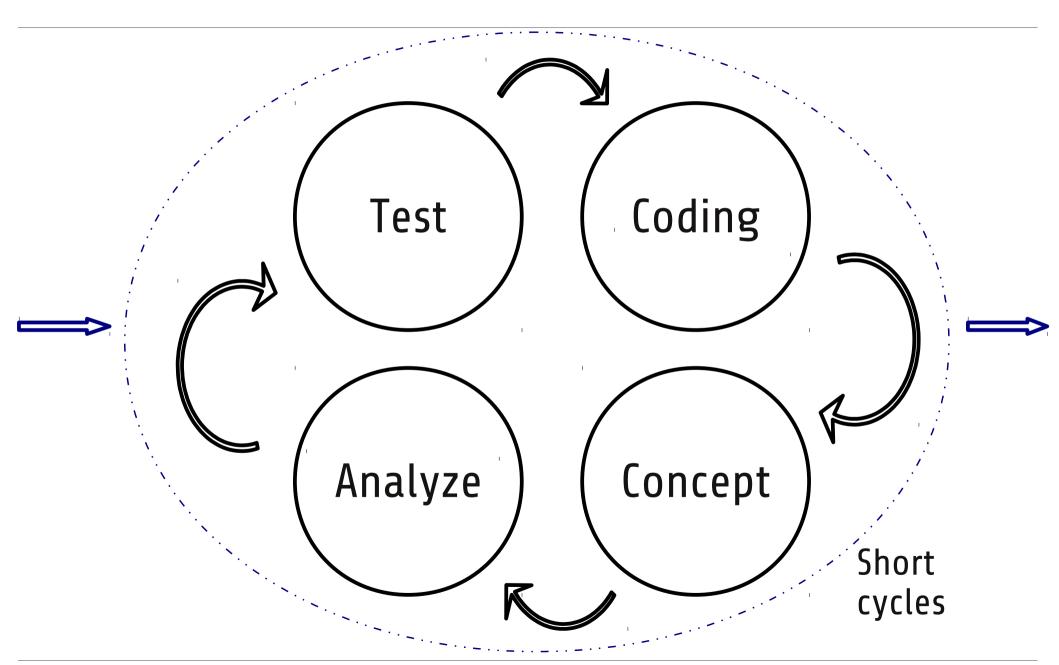
# Behavior Driven Development

## Behavior What?

#### Linear progress



#### Continuous Iteration



#### TDD or BDD?

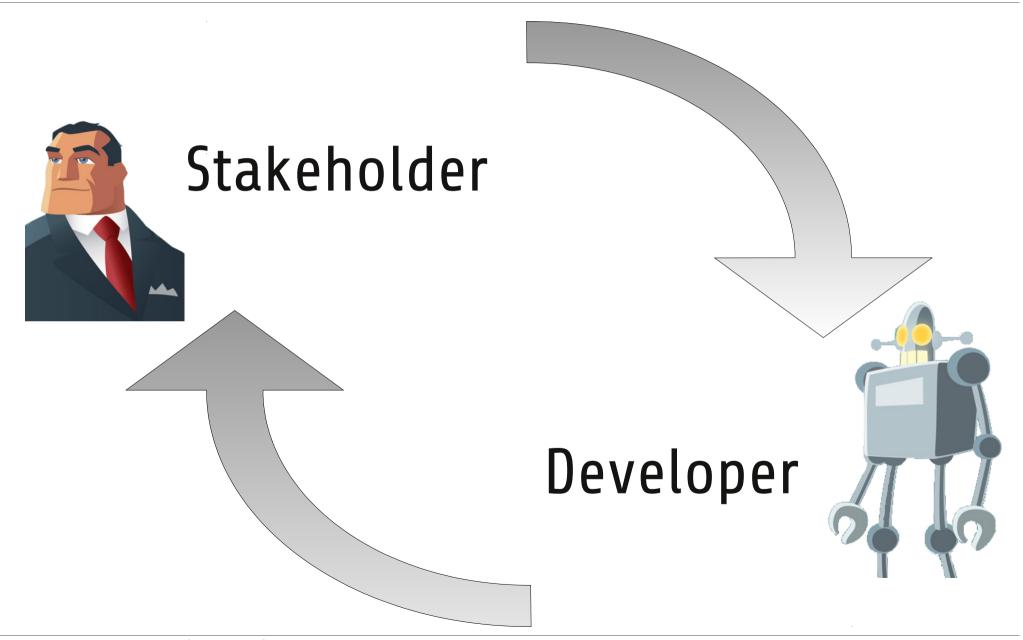
TDD

BDD

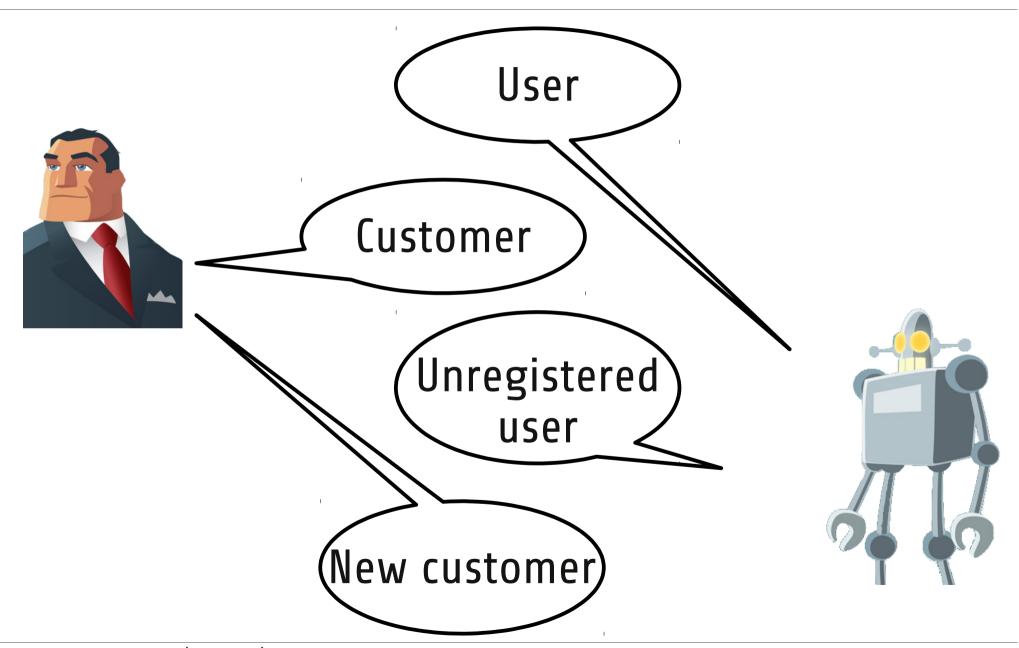
Building the things right

Building the right things

#### Communication



## Ubiquitous Language



## Feature Description

#### Feature Description

```
"As a [role]
I want [feature]
so that [benefit]"
```

#### Feature Description



#### Example Feature Description

"As a customer
I need a shopping cart
to check my selected products"

## Scenarios / Use cases

#### Scenario

```
Scenario: [Use Case]
```

```
Given... [Context]
```

When... [Event]

Then... [Result]

### Example Scenario

Scenario: See selected products in the shopping cart

Given I visit the FooBar shop

And I add a "dishwasher" to my cart

When I go to the shopping cart

Then I should see a "dishwasher"

### Example Scenario

Scenario: Find a product in the should basket

Given I visit the FarBar shar

And I selet a 'dh bwasher"

When I go to the shopping basket

Then I snowld see a "dishwasher"

### gherkin

- Clearly structured language
- Easy to understand
- Easy to rephrase
- Straightforward syntax
- Executable steps

# Behat

A php framework for testing business expectations



# Behat

A php framework for testing business expectations



# Mink

Acceptance test framework for web applications, written in PHP

## Live Demo

#### Resources

#### **BDD** Introduction:

http://dannorth.net/introducing-bdd/

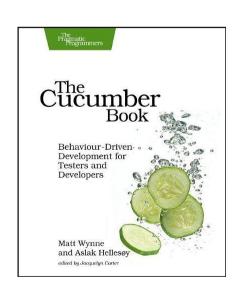
#### Behat/Mink:

http://behat.org/

bInit: kickstarter package for Behat:

https://github.com/t3node/binit

Wynne + Hellesøy (2012): "The Cucumber Book"



# Thank You!

If you need BDD + Behat/Mink support, send me a mail:

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