



# Seb Rose & Gáspár Nagy

Writing better BDD scenarios

@sebrose  
@gasparnagy

ORLANDO  
FLORIDA  
AUGUST 7-11

AGILE2017



# Seb & Gáspár

ORLANDO  
FLORIDA  
AUGUST 7-11

## Seb Rose

consultant, designer, analyst and  
developer for over 30 years  
author of The Cucumber for Java Book

[seb@cucumber.io](mailto:seb@cucumber.io)

<http://cucumber.io>

@sebrose

cucumber  ltd

## Gáspár Nagy

coach, trainer and BDD addict  
creator of SpecFlow

[gaspar@specsolutions.eu](mailto:gaspar@specsolutions.eu)

<https://specsolutions.eu>

@gasparnagy

 spec**solutions**  
given.when.then.



# Agenda

ORLANDO  
FLORIDA  
AUGUST 7-11

- Short introduction to BDD
- Exercise: Learn about good/bad scenarios
- Checklist for good scenarios
- Exercise: Write your own scenario
- Wrap-up



# What is BDD?

ORLANDO  
FLORIDA  
AUGUST 7-11



## Discovery

Shared understanding is established through collaboration and structured conversations



## Formulation

Examples of system behaviour are documented as scenarios



## Automation

Scenarios are automated to be able to verify the system's behaviour



*Let's  
formulate!*



# This is an example!

ORLANDO  
FLORIDA  
AUGUST 7-11

Illustration of the  
requirement

Automated test

Documentation of  
the behavior

**Scenario:** The delivery address is changed while the order is still being prepared  
**Given** the client's order is currently 'in preparation'  
**When** the client changes the delivery address  
**Then** the change should be accepted  
**And** the new address should be set as the delivery address

Nice, but  
let's do some  
work now!



# Exercise 1 – Review scenarios

ORLANDO  
FLORIDA  
AUGUST 7-11

Work in pairs or 3 people mini-groups

- You will be told which scenario to start with
- Identify the good and bad parts
- If you run out of things to talk about, move on to another scenario

The following orientation questions can help you with the review

- Is it clear what each scenario is describing?
- Are there too many / too few details?
- Does it use a language that everyone understands?
- How likely is it that this scenario will change when the application changes?





# Checklist for good scenarios

ORLANDO  
FLORIDA  
AUGUST 7-11

**Concrete** — use actual data values in your examples.

**Essential** — any data you use in an example should contribute to understanding the behavior being illustrated.

**Focused** — don't try to illustrate more than one interaction in any example.

**Interesting** — every example should have a reason for existing. Try and give each one an intention revealing name.

**Declarative** — examples that declare what the user is trying to achieve are easier to understand and maintain than those that describe imperatively what the user does.

**Ubiquitous** — avoid using terms that are understood by some of the team members only. In general, try to use business terminology throughout.

*More tips  
in the  
handouts!*



# Exercise 2 – Write your own scenario

ORLANDO  
FLORIDA  
AUGUST 7-11

Keep working in your group

- Look at the example in the workbook
- The example comes from a pizza ordering application
- Write a scenario based on the example
- Consider the *Checklist for good scenarios* and the *Gherkin tips*, on page 3

The example was collected in an Example Mapping workshop

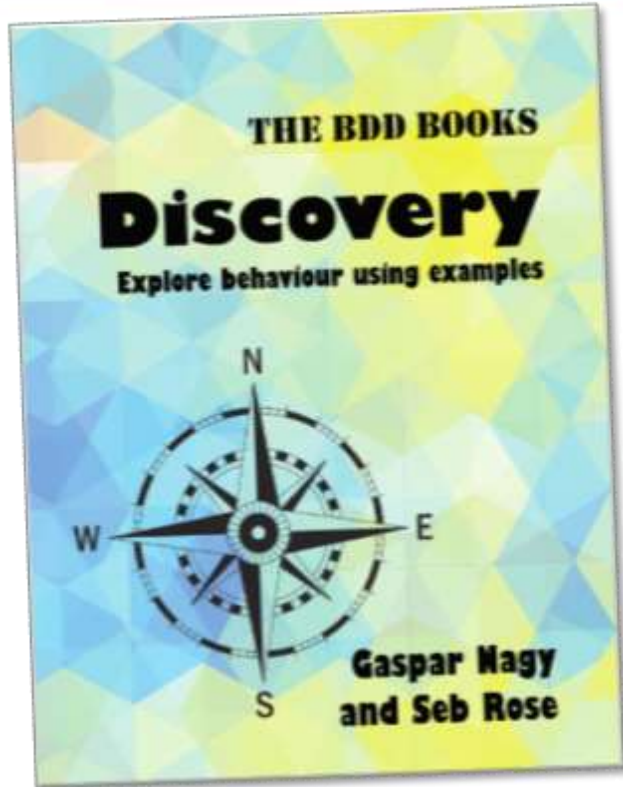
- Example Mapping was discovered by Matt Wynne, see <http://speclink.me/examplemapping>
- You can find more information about this technique at <http://speclink.me/dsem> (a free section of our book, "The BDD Books: Discovery", <http://bddbooks.com>)





# Check out our new book!

ORLANDO  
FLORIDA  
AUGUST 7-11



- A BDD book for everyone (PO, BA, dev, tester)
- Practical guide
- Demonstrates good collaboration techniques, illustrated by concrete examples

Find it on Leanpub through

<http://bddbooks.com!>





# Thank you!

Seb Rose & Gáspár Nagy

@sebrose  
@gasparnagy

ORLANDO  
FLORIDA  
AUGUST 7-11

AGILE2017

