

# A Planning Meeting You'll ❤️

PalinQA Meetup  
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Gáspár Nagy

coach • trainer • bdd addict • creator of specflow  
@gasparnagy • gaspar@specsolutions.eu

bddaddict.com

CAUTION!  
**bdd addict**  
on the stage



given.when.then

# Gáspár Nagy

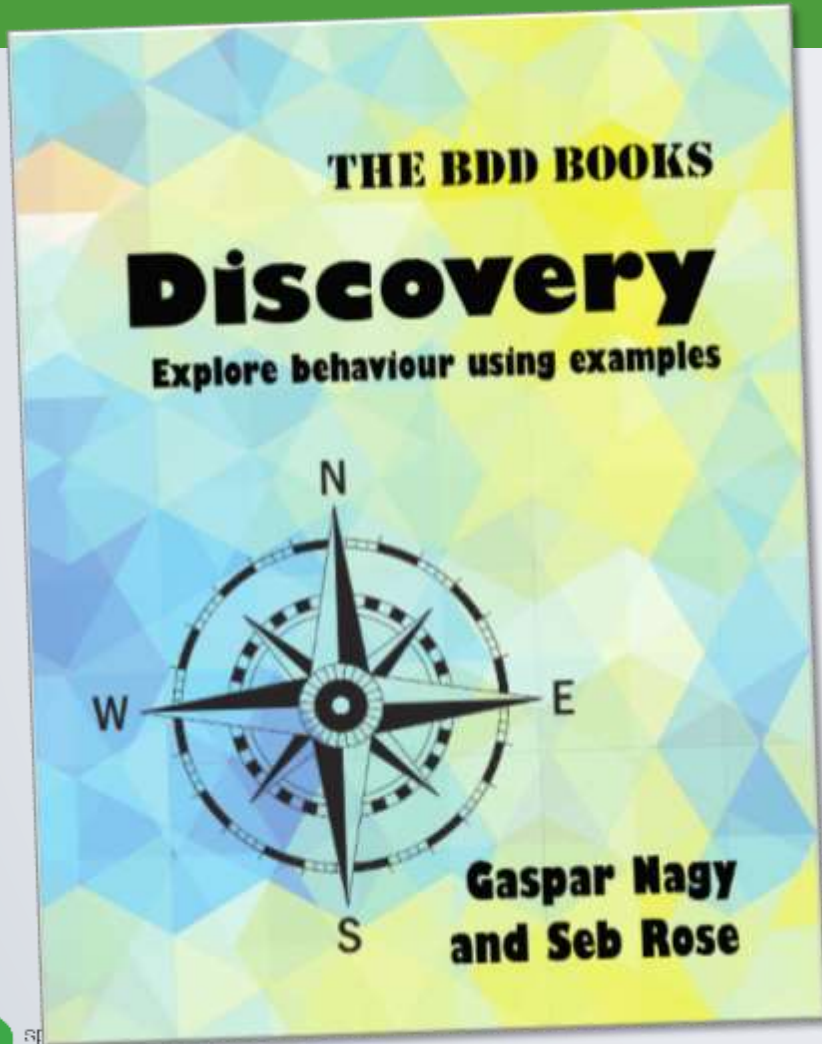
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gaspar@specsolutions.eu

<https://specsolutions.eu>

@gasparnagy

# Check out our new book!



- 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!>

# Agenda

- Our requirement workshops
- What is BDD?
- Example Mapping
- Exercise: Example Mapping
- Structured conversation

# Demo: Planning the Pizza Selection Story

*As a scrum master of a hungry team  
I want to choose pizzas  
So that we can order them quickly*



# De-briefing

- PO was unprepared
- We discussed the topics in a foreign language
- The domain was known, but not very exact
- Quality of notes?
- How easy would it be to start working on this story tomorrow?
- How easy would it be to test the application?

An efficient collaboration...





# My Agile Story



# Navigating the Agile Landscape

Agile Project  
Mgmt.  
(Scrum, Kanban)

Agile  
Engineering  
(XP, TDD, pairing)

Agile  
Requirement  
Analysis  
(User Story,  
Acceptance  
Criteria)

*But what  
about  
testing?*

# Agile mini-waterfall

As a team  
I want to get scores for my  
answers  
So that I can compare my  
results with other teams

*implement*

*feedback*

```
[HttpPost]
public void QuestionTest()
{
    string questionTitle = "Test question " + Guid.NewGuid().ToString("N");

    var wait = new WebDriverWait(driver, new TimeSpan(0, 0, 5));

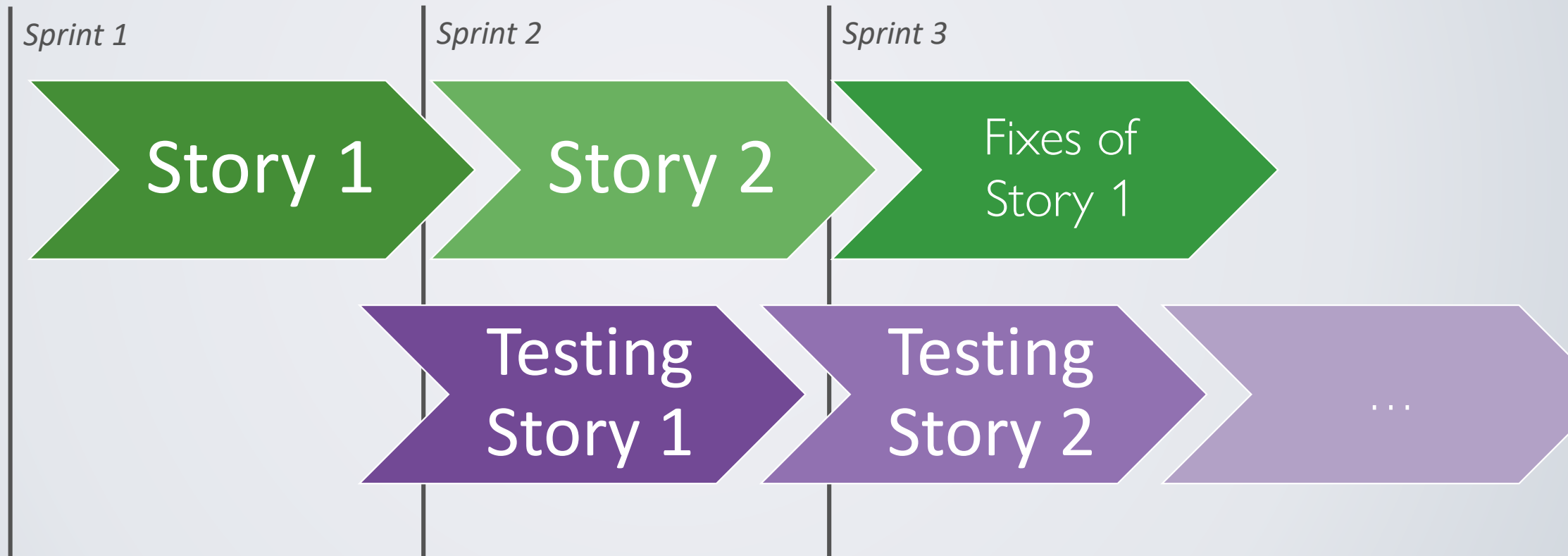
    driver.Navigate().GoToUrl(baseUrl + "/"#);
    wait.Until(d => d.FindElement(By.LinkText("Home")));
    Assert.AreEqual("Stackoverflow | Stamplay app", driver.Title);
    driver.FindElement(By.LinkText("Login")).Click();
    Thread.Sleep(2000);
    driver.FindElement(By.LinkText("Ask a question")).Click();
    Thread.Sleep(500);
    driver.FindElement(By.XPath("//input[@type='text']")).Clear();
    driver.FindElement(By.XPath("//input[@type='text']").SendKeys(questionTit

    driver.FindElement(By.ClassName("ta-text")).FindElement(By.ClassName("ta-t
    driver.FindElement(By.ClassName("ta-text")).FindElement(By.ClassName("ta-t

    driver.FindElement(By.XPath("//input[@type='text']][2]")).Clear();
    driver.FindElement(By.XPath("//input[@type='text']][2]").SendKeys("Spec
    driver.FindElement(By.XPath("//div[4]/div/div")).Click();
    Thread.Sleep(2000);
    Assert.AreEqual("Stackoverflow | Stamplay app", driver.Title);
```

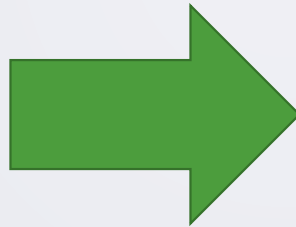


# Waterfall testing in Scrum

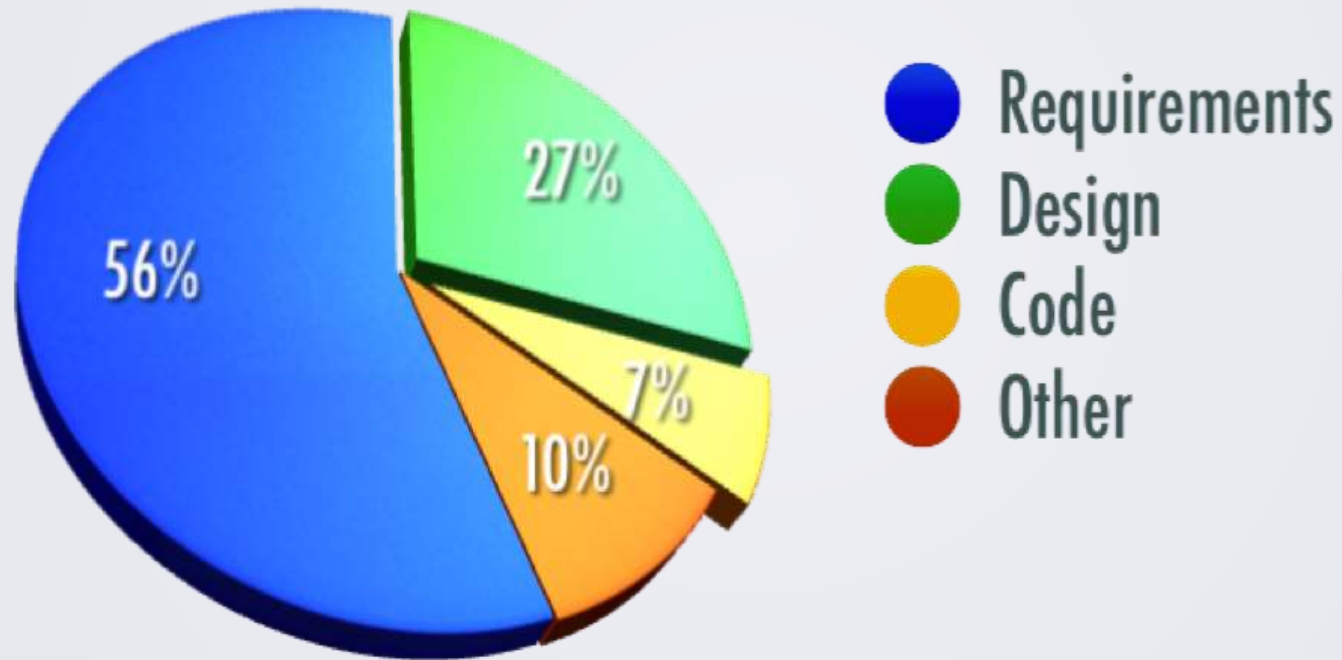


# Agile Testing in one minute

Bug Hunting → Bug Prevention  
(shift left)



# Where bugs are introduced



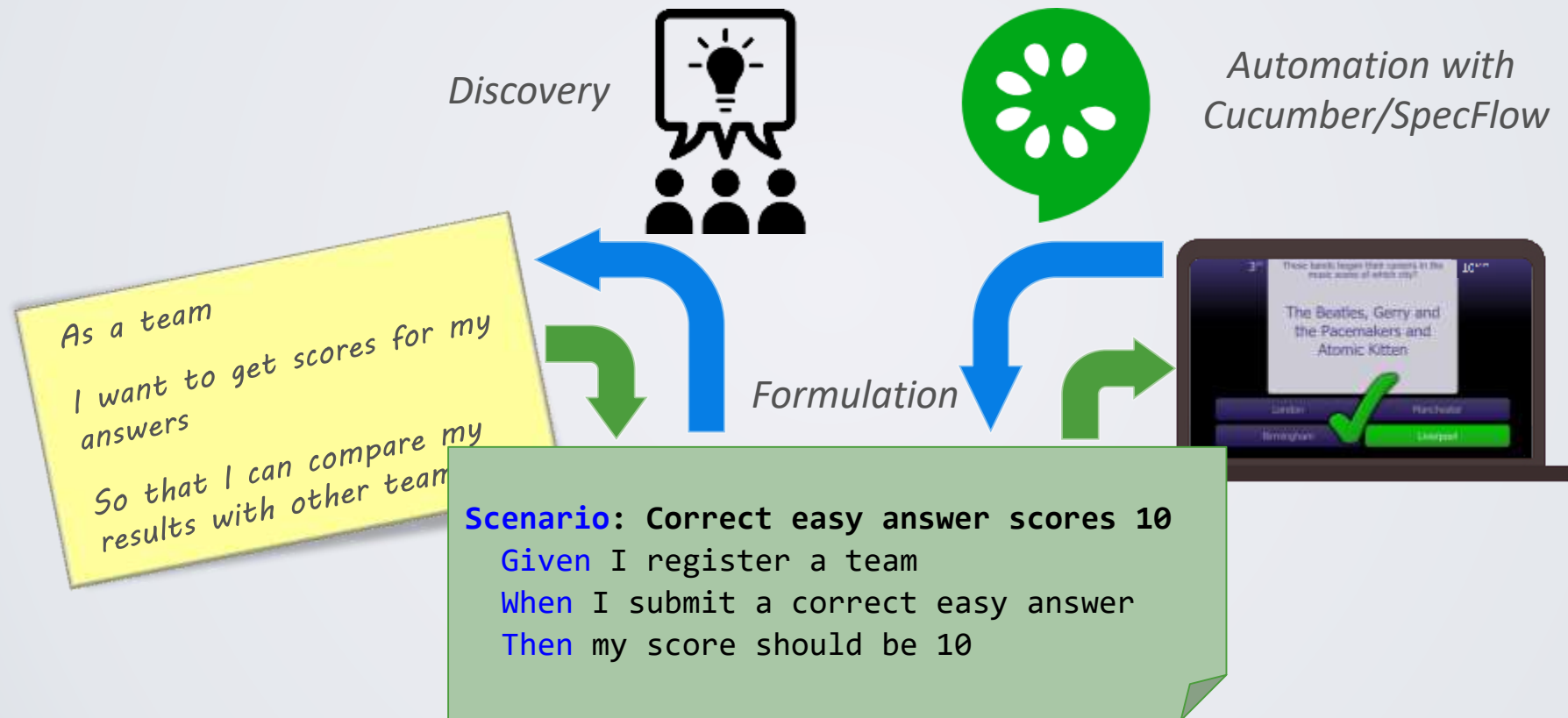
# How can BDD help?

*Specification by  
Example*

*Acceptance Test Driven  
Development (ATDD)*

*Behavior Driven  
Development*

# Examples link requirements to software





# This is an example!

**Scenario:** Correct easy answer scores 10

**Given** I register a team

**When** I submit a correct easy answer

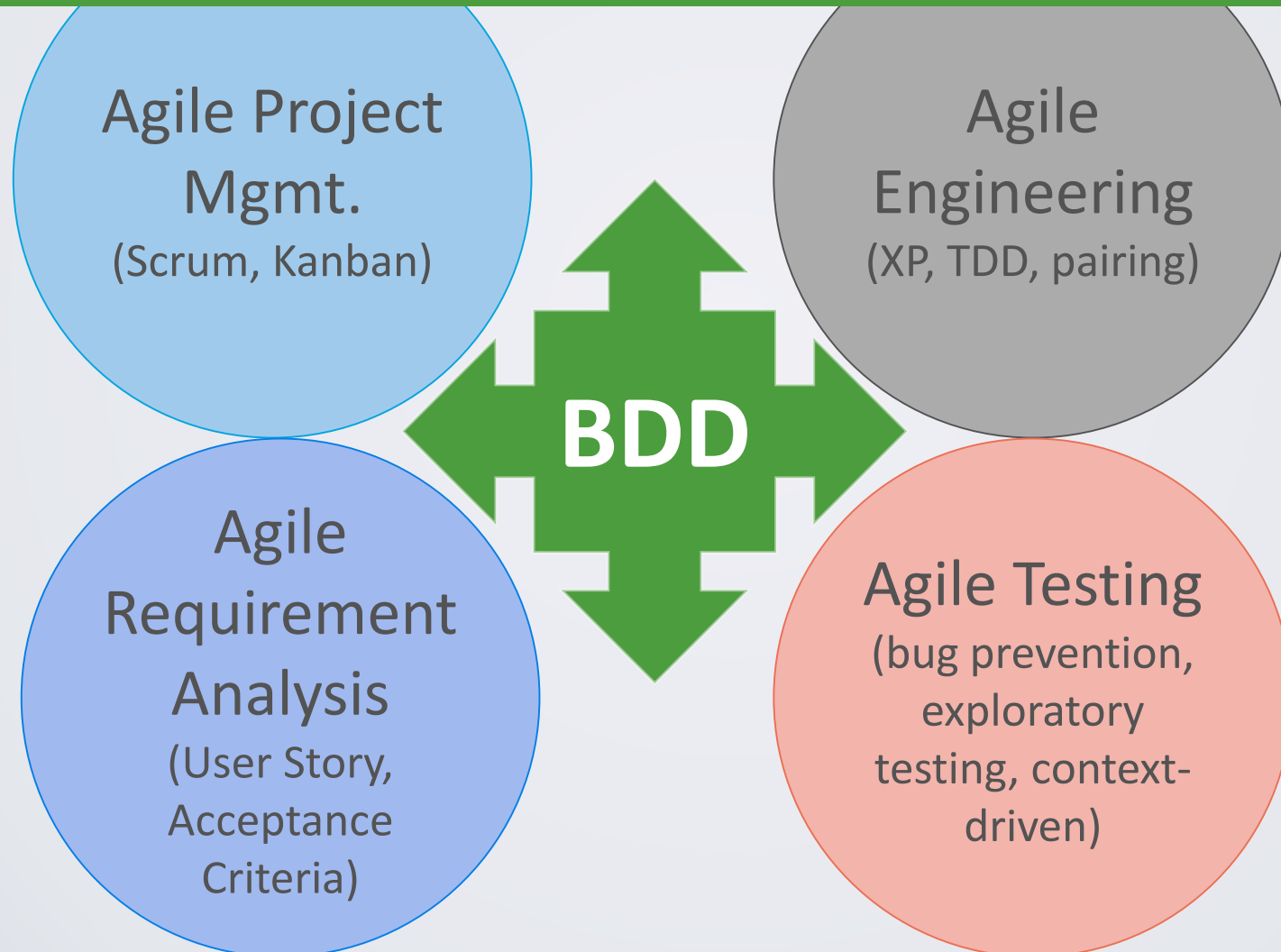
**Then** my score should be 10

*Illustration for  
the requirements*

*Automated test*

*Documentation  
of the behavior*

# BDD is a process for practicing Specification by Example



# So, what is BDD?

## 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 do better discovery!

# Demo: Planning the Pizza Selection Story

*As a scrum master of a hungry team  
I want to choose pizzas  
So that we can order them quickly*

TAKE TWO



# Review

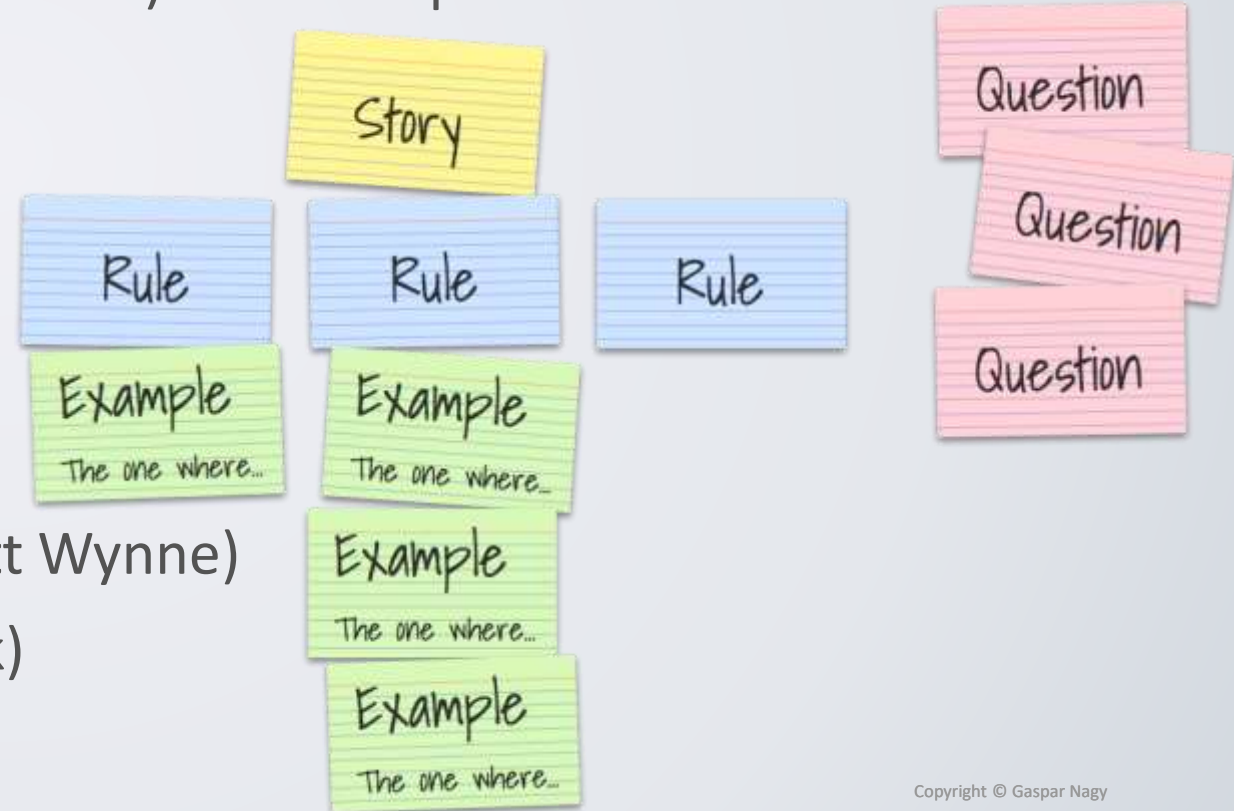
- What was different from the first time?
- Did we cover more or less functionality than the last time?
- What do you think the different colored cards / stickies are supposed to represent?
- How did capturing each of those help to keep the discussions on track?
- Do you think the story is ready to implement now? Why?

# Example Mapping

- #1 – Pick a facilitator
- #2 – Keep collecting rules (acceptance criteria) and examples
- #3 – Make notes visible to everyone
- #4 – Collect questions
- #5 – Split story if necessary

<http://speclink.me/examplemapping> (Matt Wynne)

<http://bddbooks.com/discovery> (our book)







# Practice Example Mapping

- Choose a product owner and a facilitator!
- Pick a story from “Example 1” on the handouts
- Discuss details of the story by capturing rules, examples and questions

# Review – Discuss it with your group

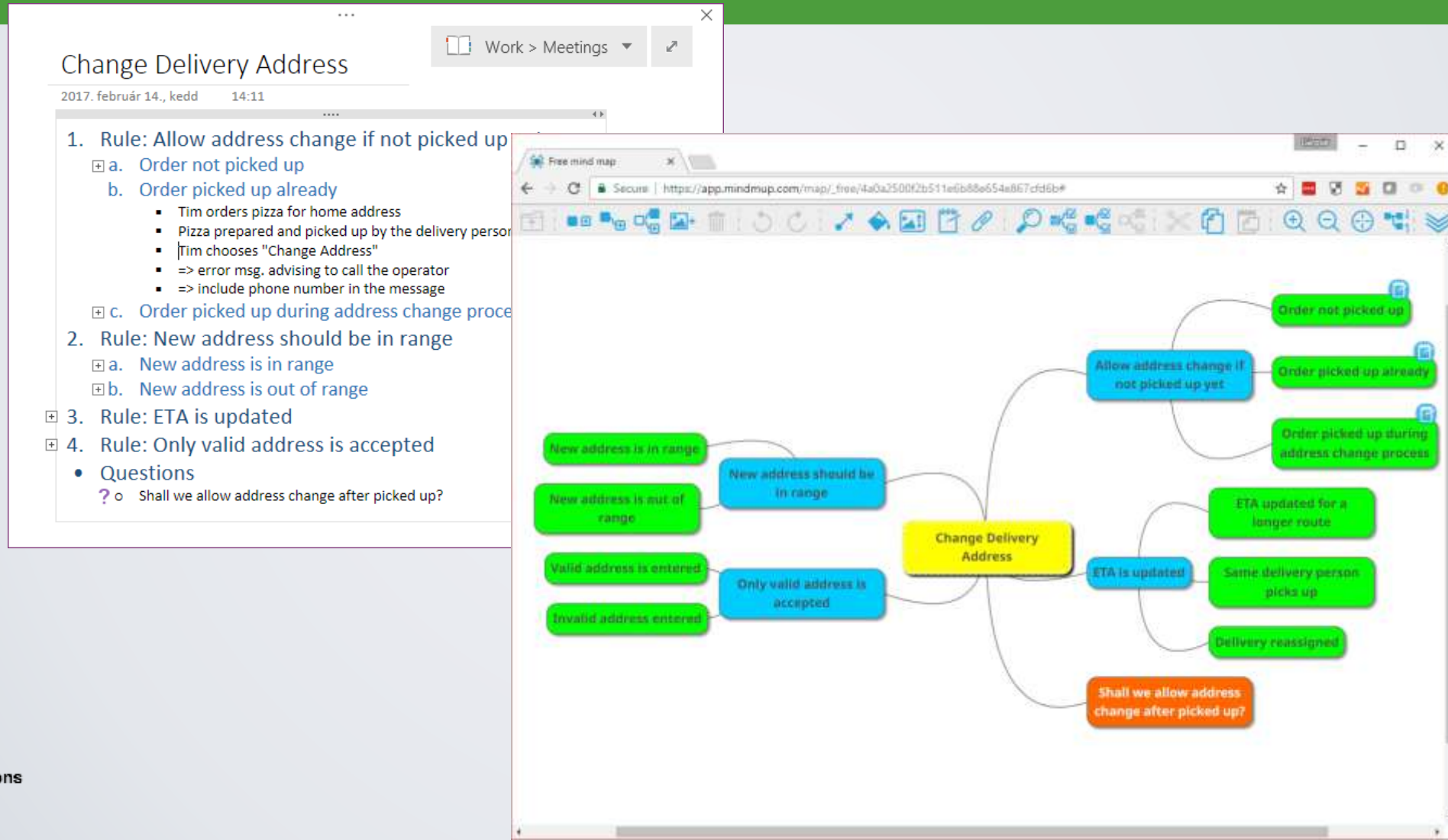
- How did you like the Example Mapping session?
- What was different from the typical meeting you have?
- How did the cards help to keep the discussions on track?
- What was the most challenging?
- How could you imagine using example mapping in your development process?

# Structured conversation

# Structured conversation is a facilitated exchange of ideas that conforms to a predefined form

- **collaborative:** all attendees participate actively
- **diverse perspectives:** we need the 3 amigos
- **short:** we want regular workshops, so that the learning feedback loop stays fast
- **progressive focus:** we capture the progress of the workshop in real time, allowing the discussion to move forward quickly
- **consensus:** agreed concrete examples are the measure of the workshop's success

# Example mapping with distributed teams





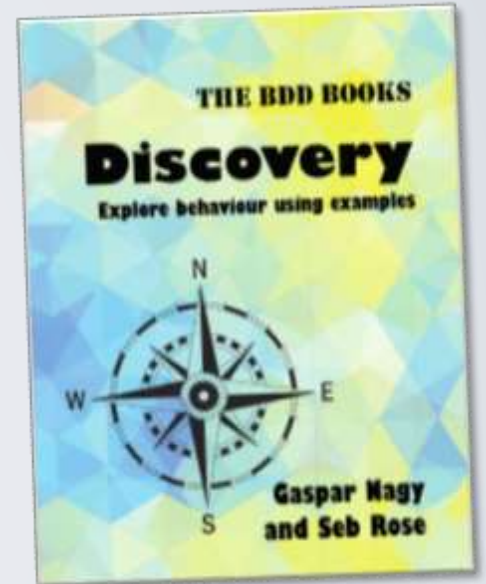
Try it at home!

# Happy Meeting!





# Thank you!



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