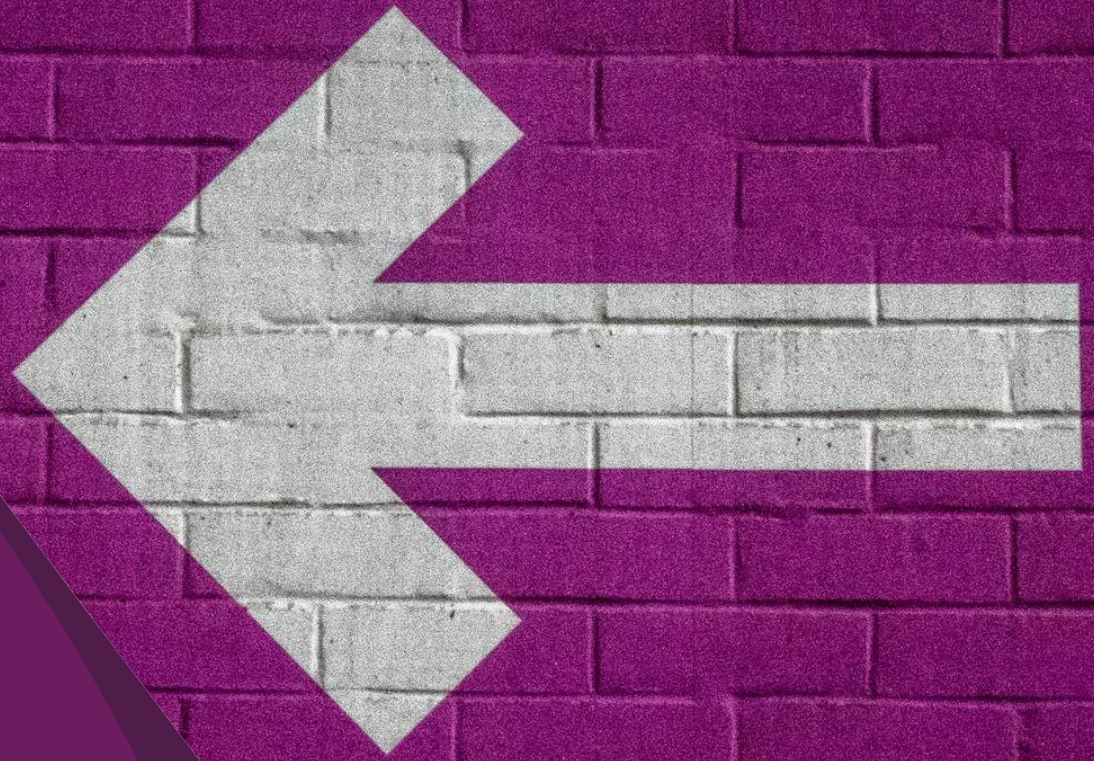
HUSTEF
HUNGARIAN SOFTWARE TESTING FORUM

Using Example Mapping and 3 amigo sessions to shift left



HUSTEF 2023

Martijn Goossens

Xebia

Agenda

- Shift Left introduction

Example Mapping

- An introduction of Example Mapping and its theory
- The syntax of Example Mapping
- The workflow and best practices of Example Mapping

3 amigo sessions

- A brief introduction on what a 3 amigo session is
- How to combine 3 amigo sessions and Example Mapping
- Success factors for applying 3 amigo sessions

Martijn Goossens

38
Rotations around the sun

NL
The Netherlands

Music
Was my first love

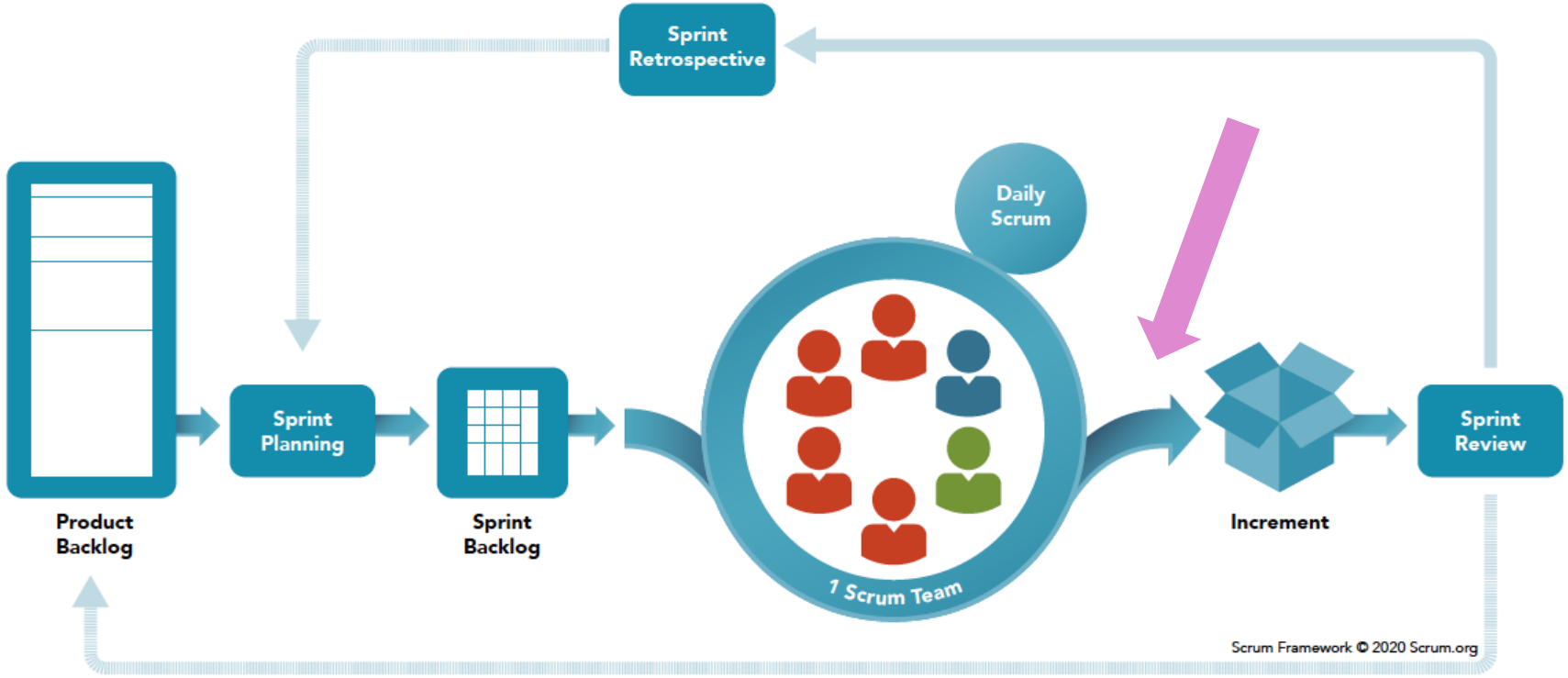
17
Years in Agile

19
Years in QA

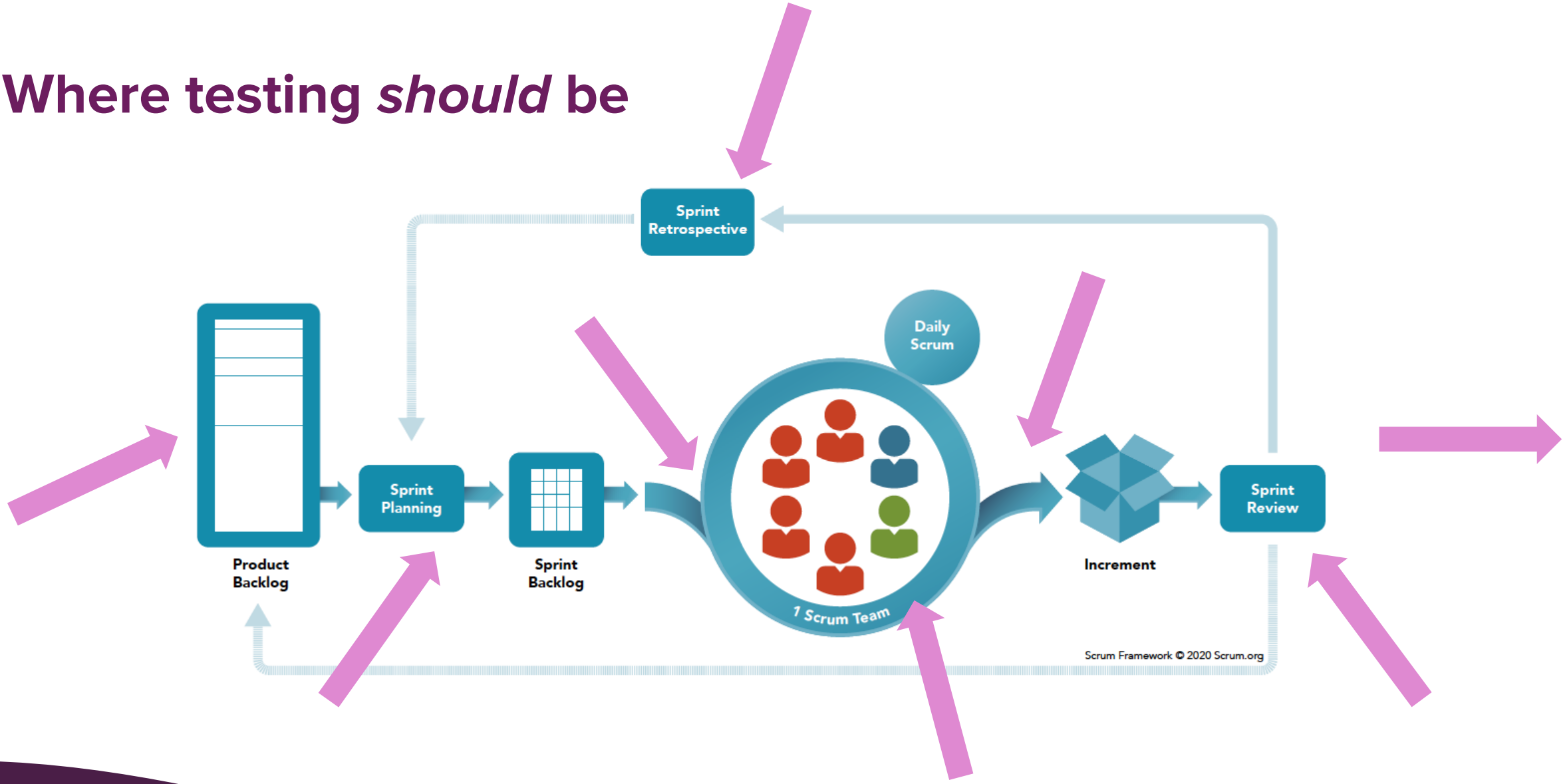
eCom
Specialist in field

Agile testing

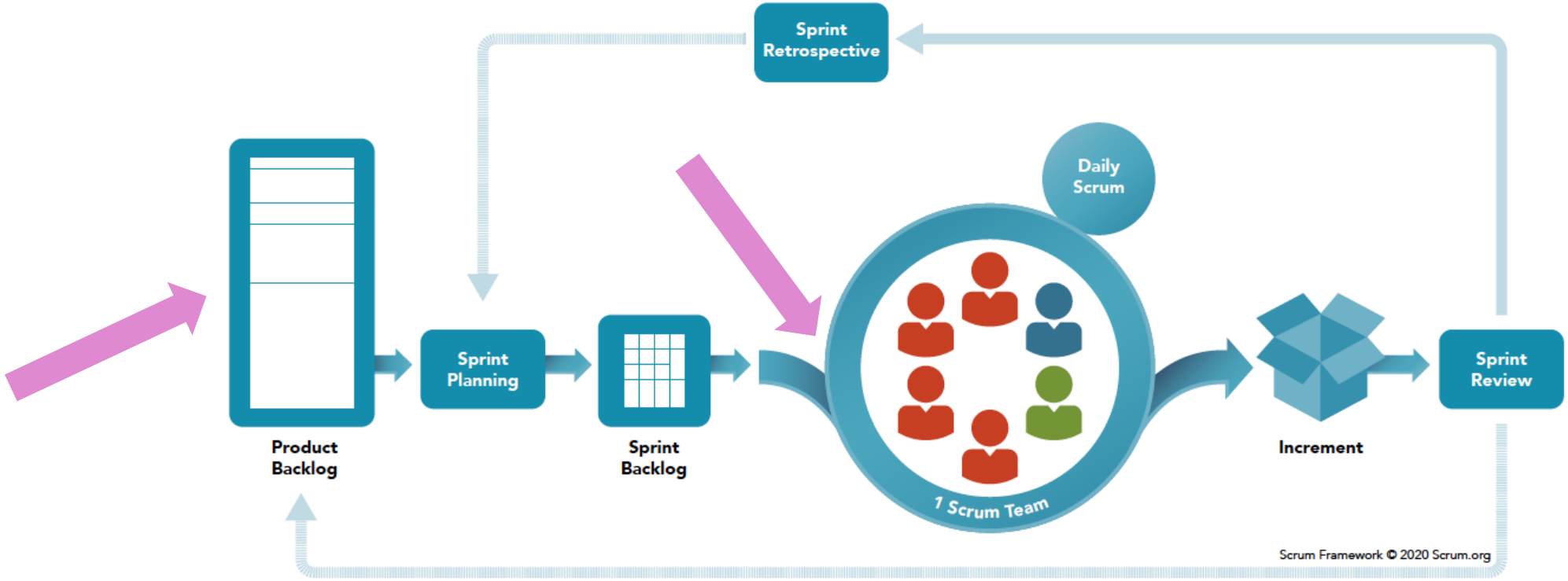
Where testing traditionally sits



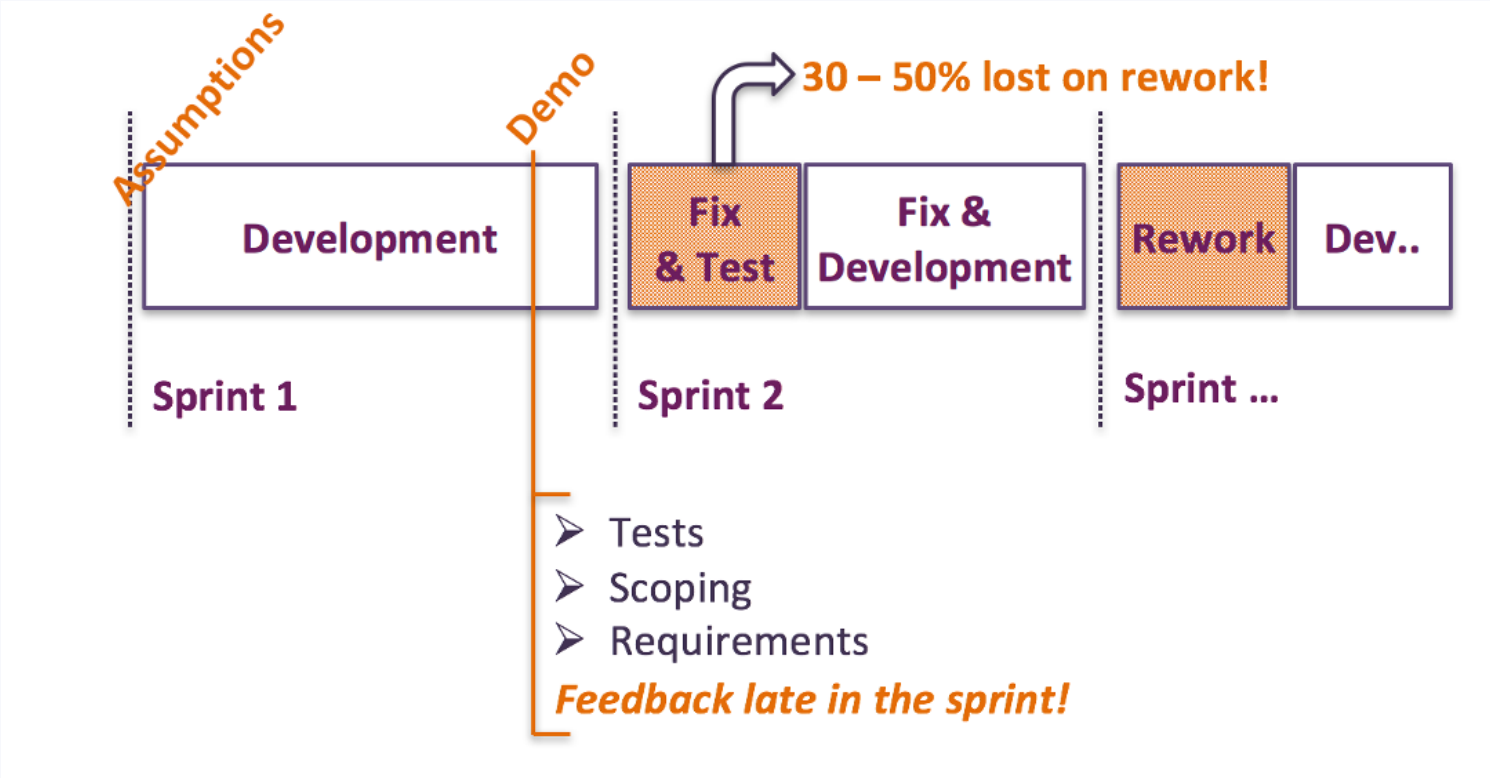
Where testing *should* be



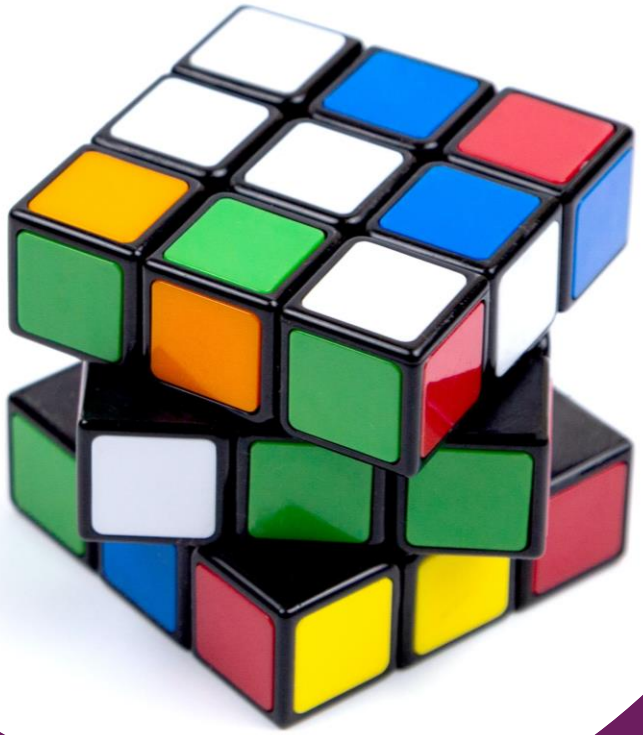
Where we Shift Left



Result of jumping in



Shift Left vs. Shift Right

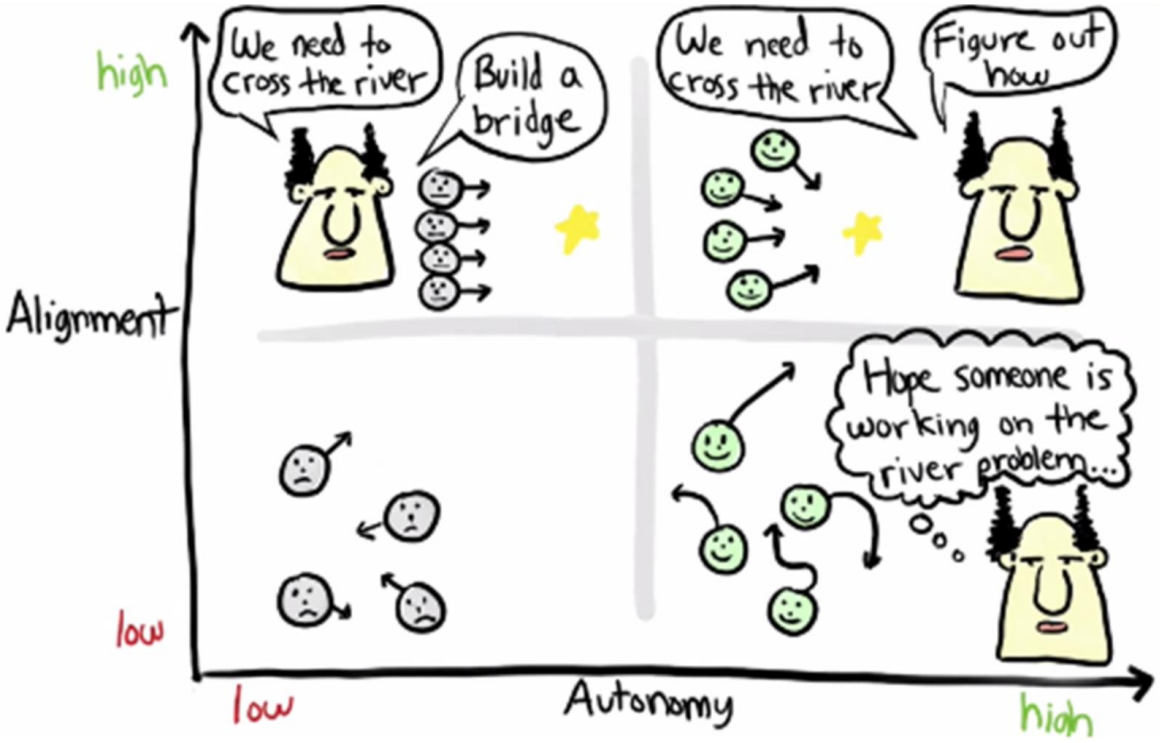


Changing the mindset

Motivation

3 Factors that lead to better performance and personal satisfaction

- Autonomy
- Mastery
- Purpose



Behaviour Driven Development

Gojko Adzic

Creator of **Specification by Example**.

“A set of process patters that facilitate change in software products to ensure that the right product is delivered efficiently”

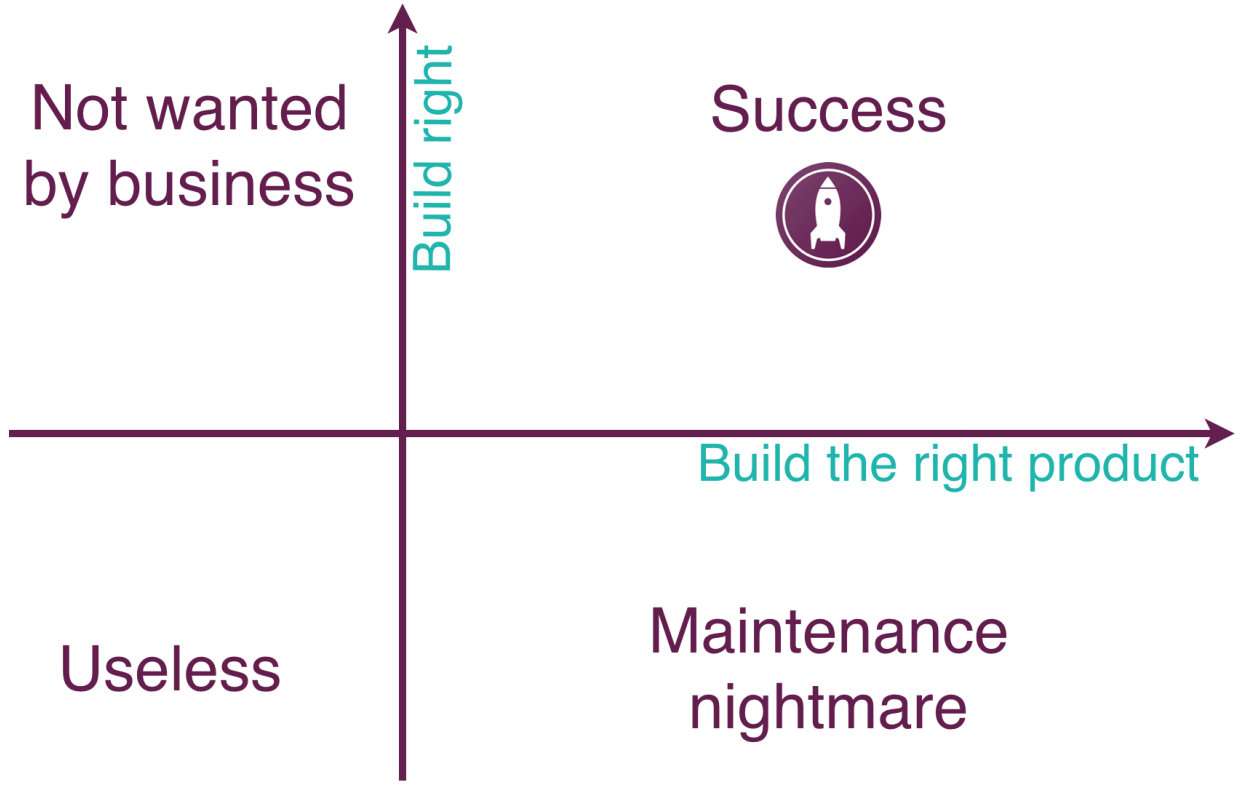
Specification by Example...

- ... is a way to bring business and IT closer together
- ... ensures a common understanding
- ... gets rid of assumptions
- ... gets rid of ambiguity
- ... helps to bring requirements, tests and documentation together

Specification by Example is not...

- ... a testing method
- ... a test automation method
- ... a silver bullet
- ... a replacement of other Agile testing practices

Specification by Example focusses on building the right product

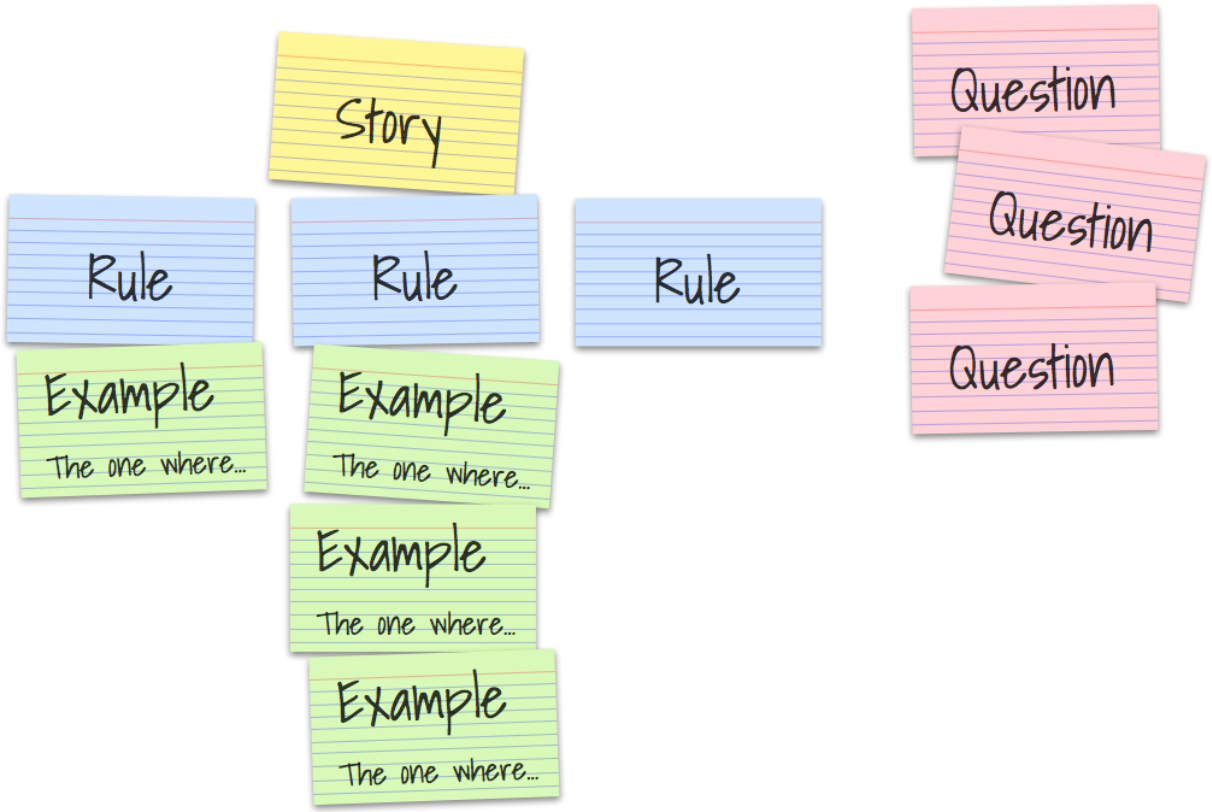


Example mapping

Example Mapping

- … is a structured way of getting to your examples
- … makes problems with (large) stories very visible
- … stops discussions on ‘the little things’
- … delivers docs out of your 3 amigo sessions

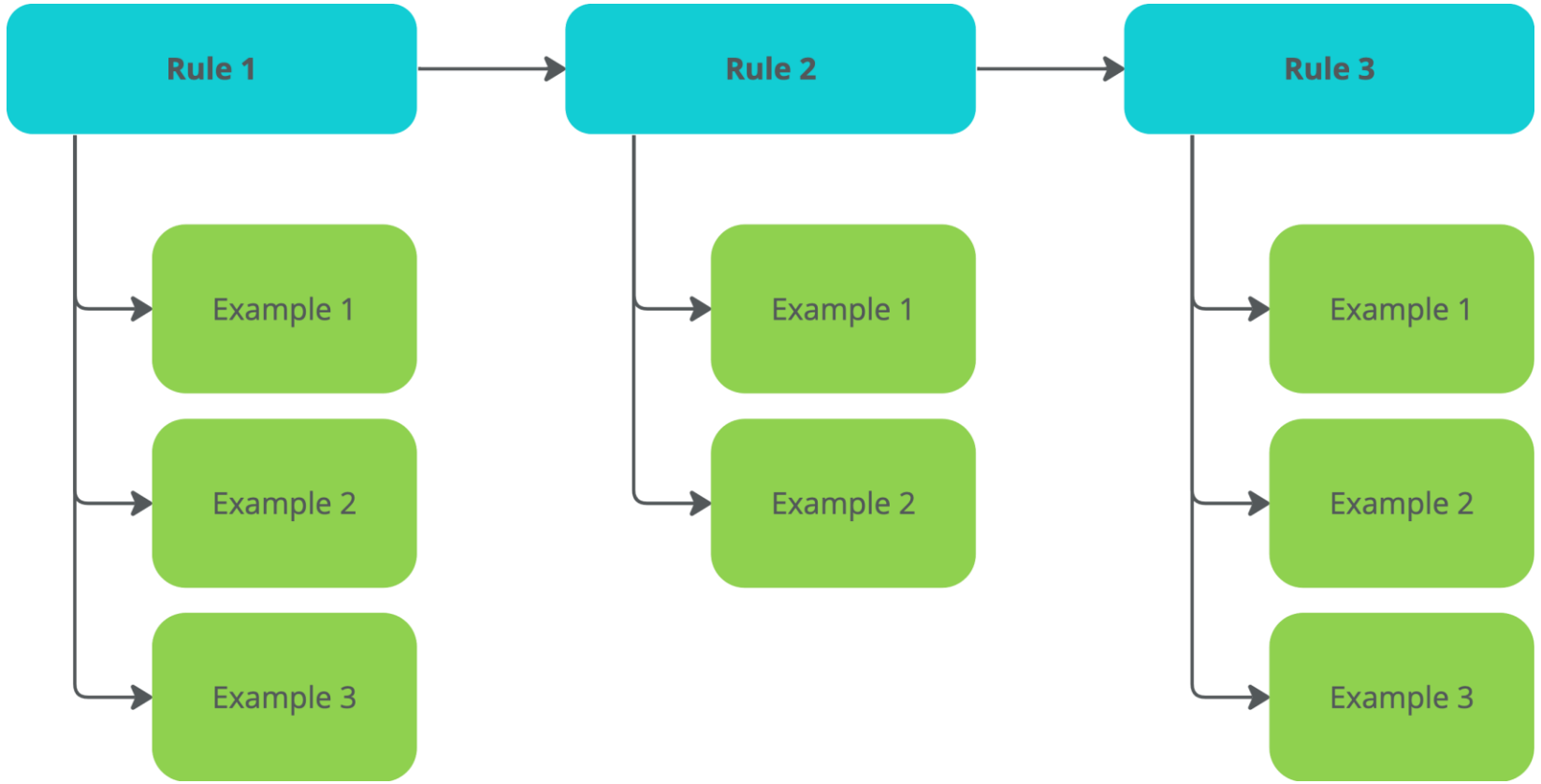
Example Mapping



Input & Output

When ordering	Total price	Shipping costs
1 book	19,99	3,95
2 books	20,00	0
1 expensive book	35,00	0
1 book, 1 refrigerator	799,99	???????

Discovering process examples & rules



Succes indicators

Shared understanding

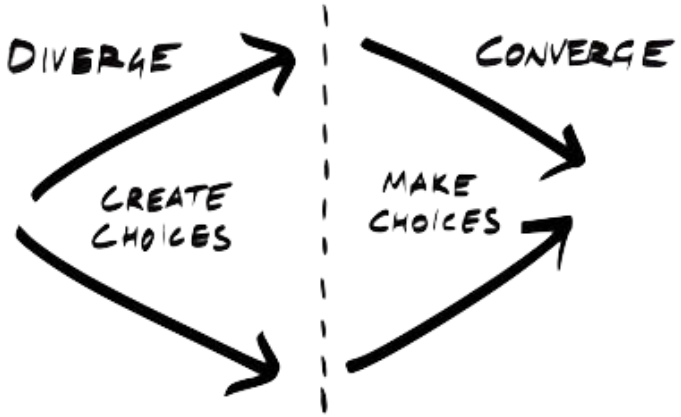
- Concept is clear from examples
- Model is aligned
- Common names for attributes

No shared understanding

- Too many examples ⟶ modeling problem
- Modeling problems ⟶ difference in mental models

Input & Output

Death by Example



Success factors Example Mapping

A great introduction is a great start

- Business goal
- Place the story in the project or software
- Bare minimum questions

Diverge solo, merge together

- Respect people’s thinking time
- Start removing duplicates and enforce rule/example priority
- Resolve easy questions

Formalize and resolve questions

- Who will document the outcome
- Who will follow up the questions that weren’t resolved

3 amigo sessions

Refinements

Commonly used techniques

- Write & Review
- Ad-hoc conversations

Pitfalls

- Energy draining sessions
- Long discussions
- Limited progress on backlog
- No real alignment taking place

Three amigo sessions

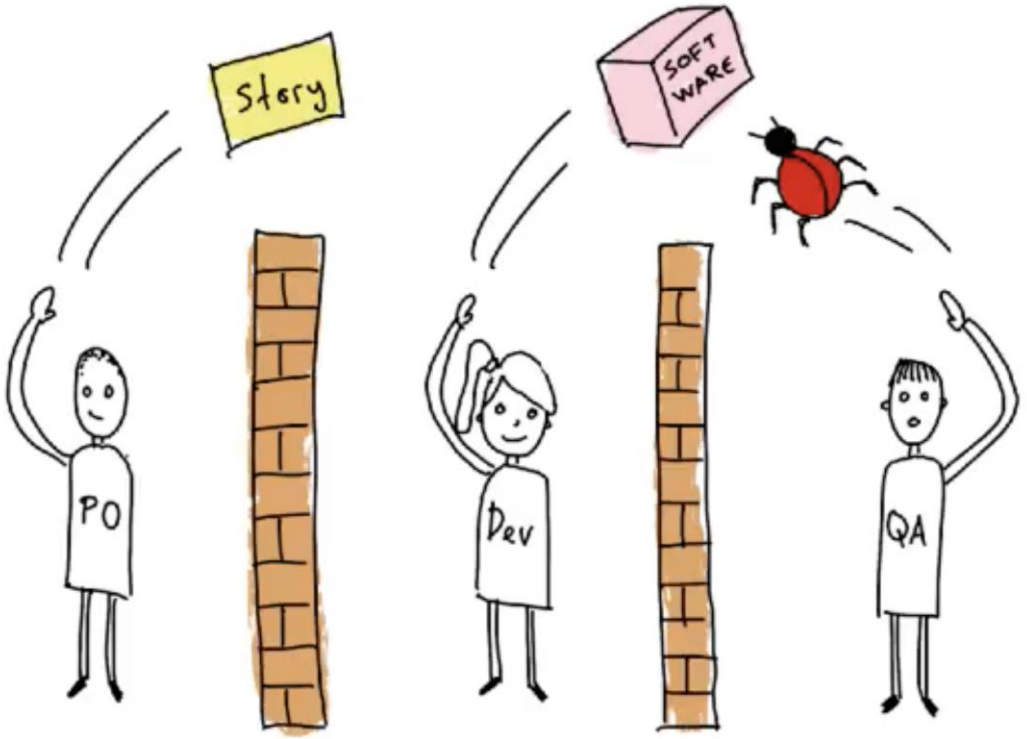
Used techniques

- Diverge
- Merge
- Formalize

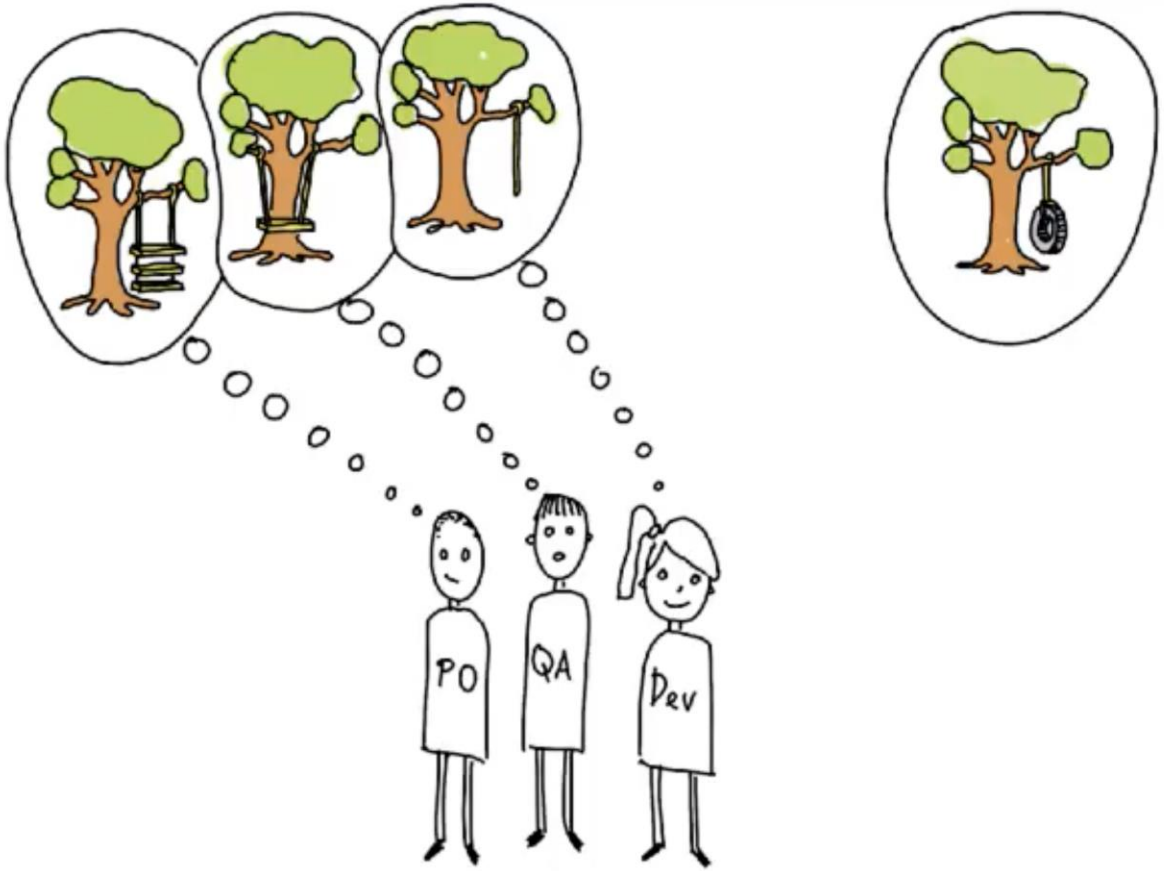
Starting points

- PO, Dev, QA
- Have a facilitator
- 20-minute timebox
- Practice with small stories

Role based delivery



Three amigos



Deriving scope

Success factors
3 amigo sessions

Decision maker present

Timebox done right

- The timebox is sacred
- Introduction, exploration, formalization, follow-up

Facilitation done right

- Identify discussions and park them
- Keep an eye on timebox
- Keep an eagle eye view of the session

Start small

Make it part of your process

Thank you

Questions are very welcome!

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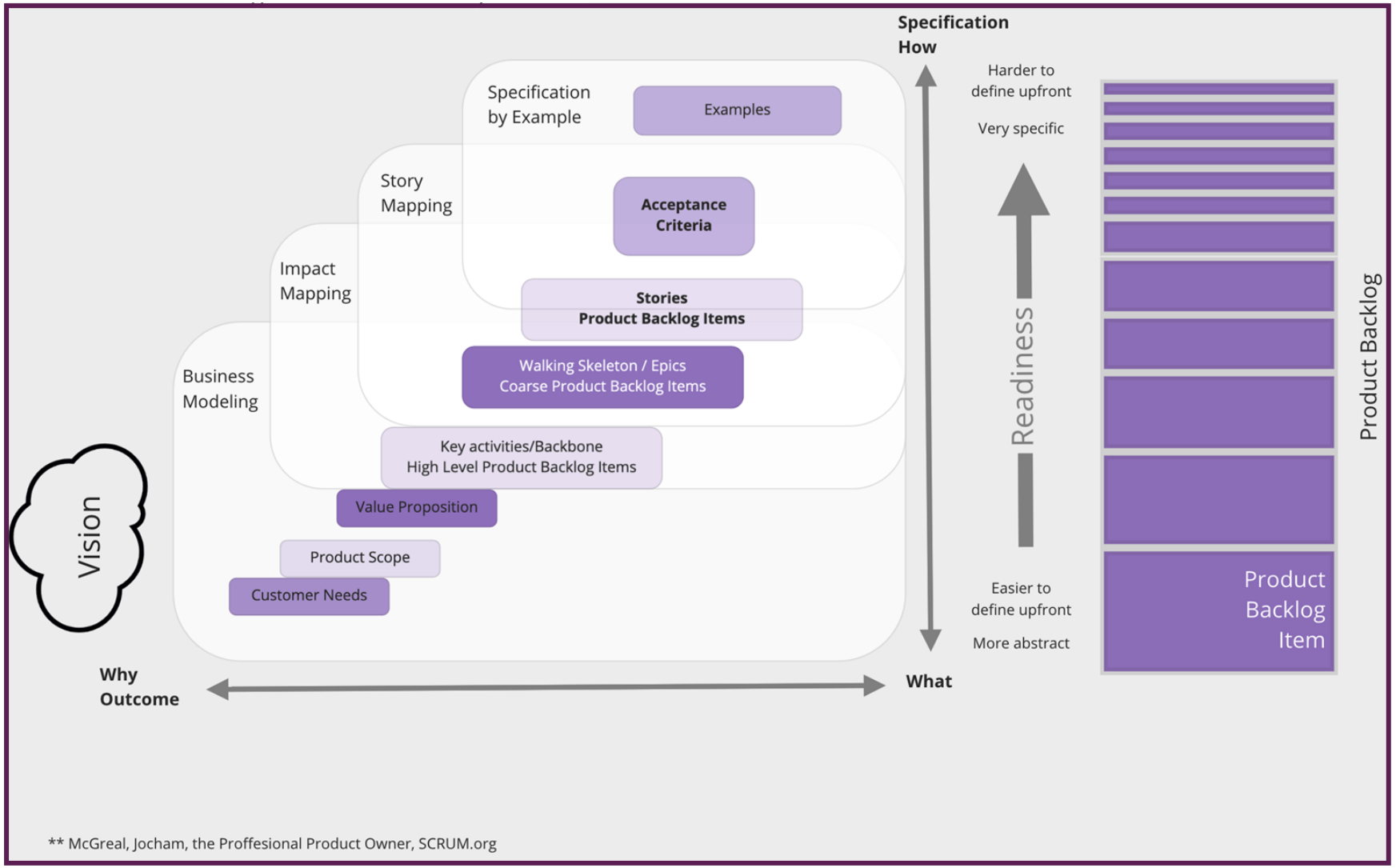
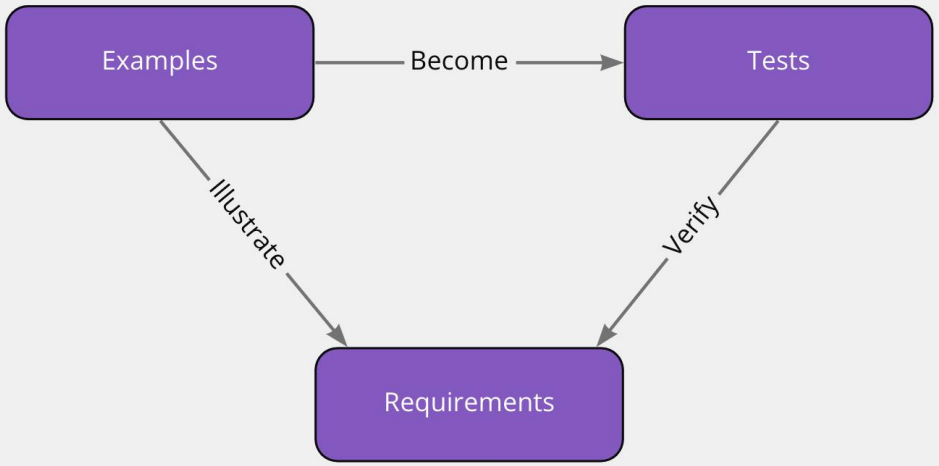
Bonus slides!

In case of questions or
when sharing the slides

When is it used?



Role of the example



** McGreal, Jocham, the Proffesional Product Owner, SCRUM.org

Formatting examples – Gherkin/Cucumber

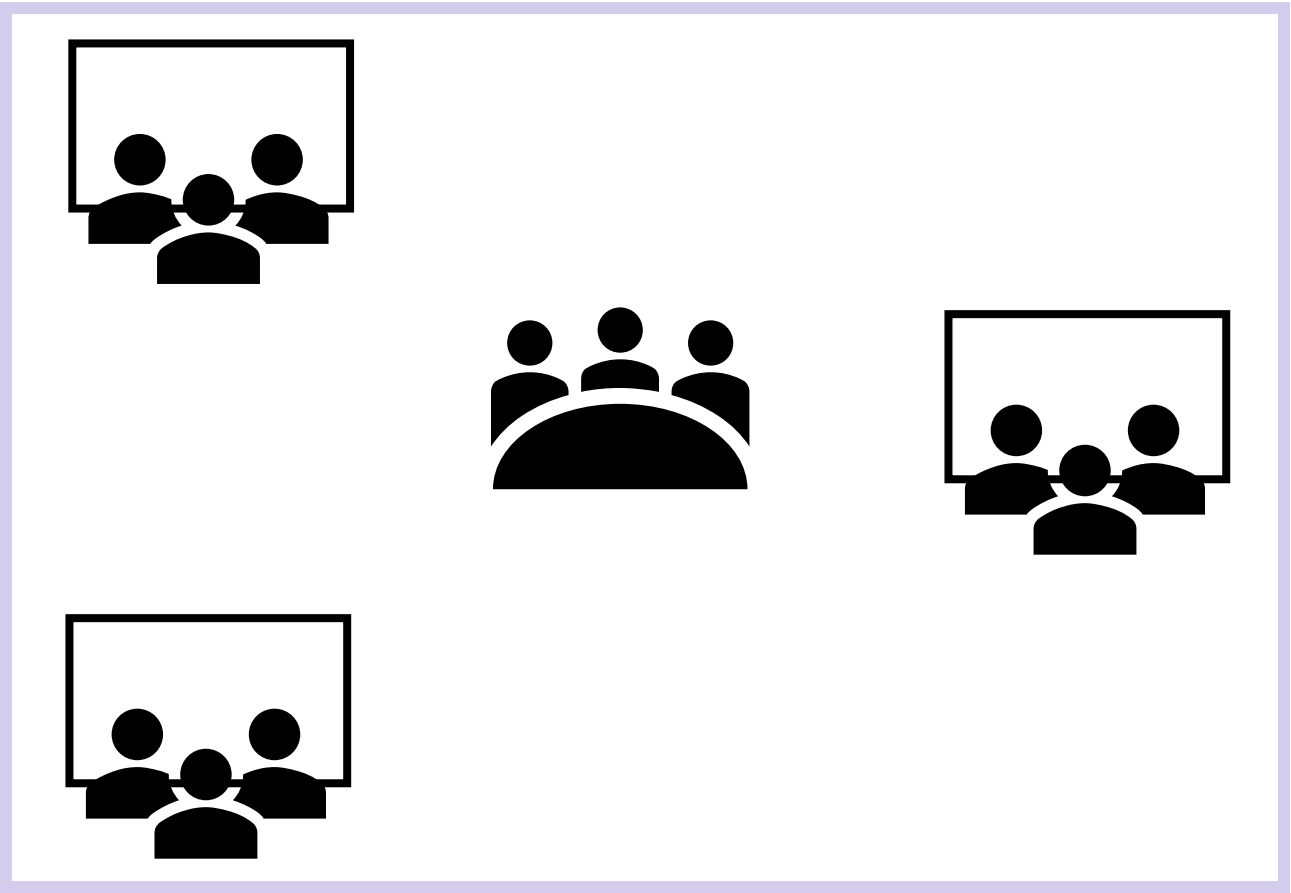
Given precondition

When actor + action

Then observable result

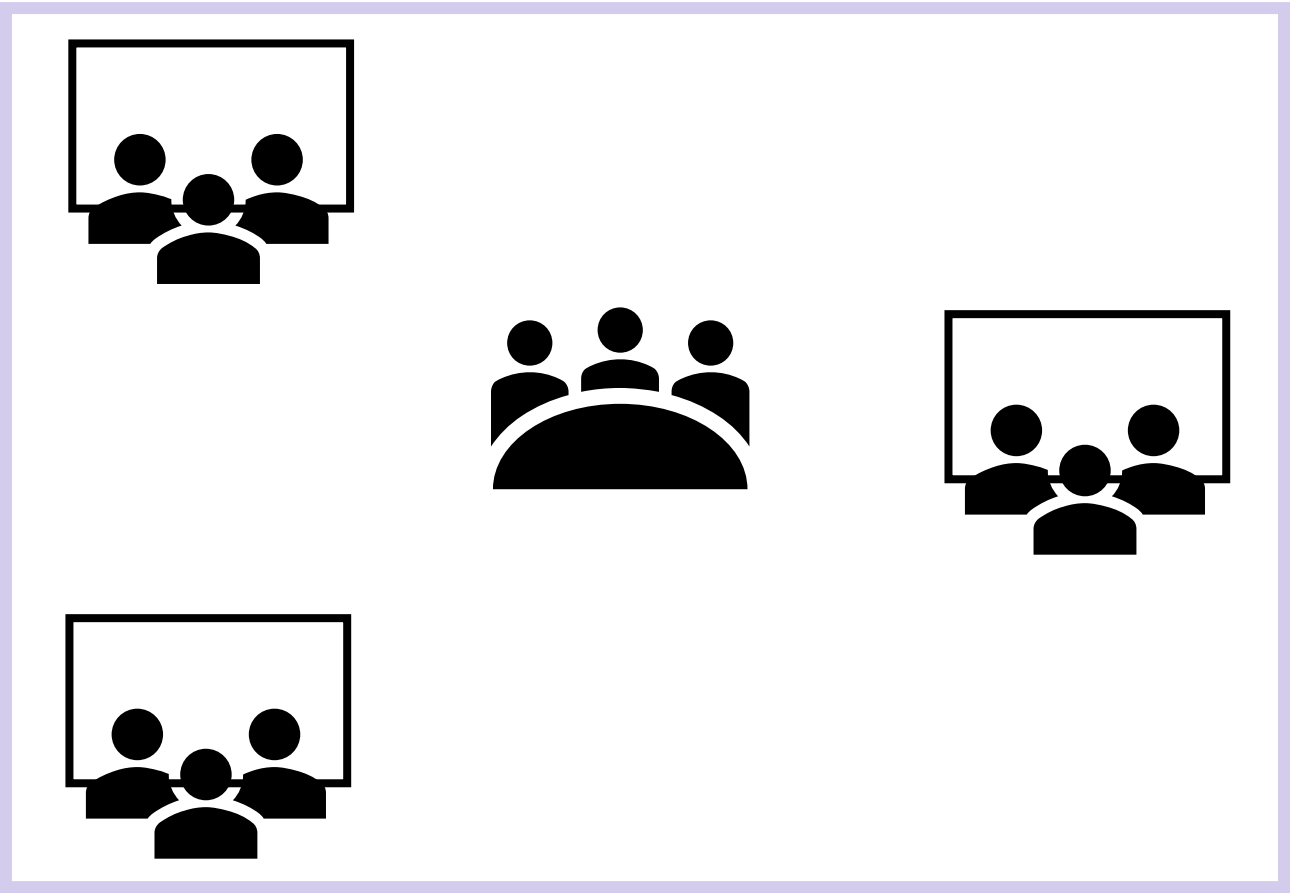
- Don’t start with and get stuck in Given When Then
- Don't choose a tool to format your example

3 amigo sessions – Option 1



- Timebox each story to 20 min.
- Each 3-amigo group ***refines the same story***
- 3 stories per refinement
- 30 min ***align and compare***

3 amigo sesssions – Option 2



- Timebox each story to 20 min.
- Each 3-amigo group refines a ***different*** story
- 3 stories per refinement
- 30 min ***central presentation to full group***