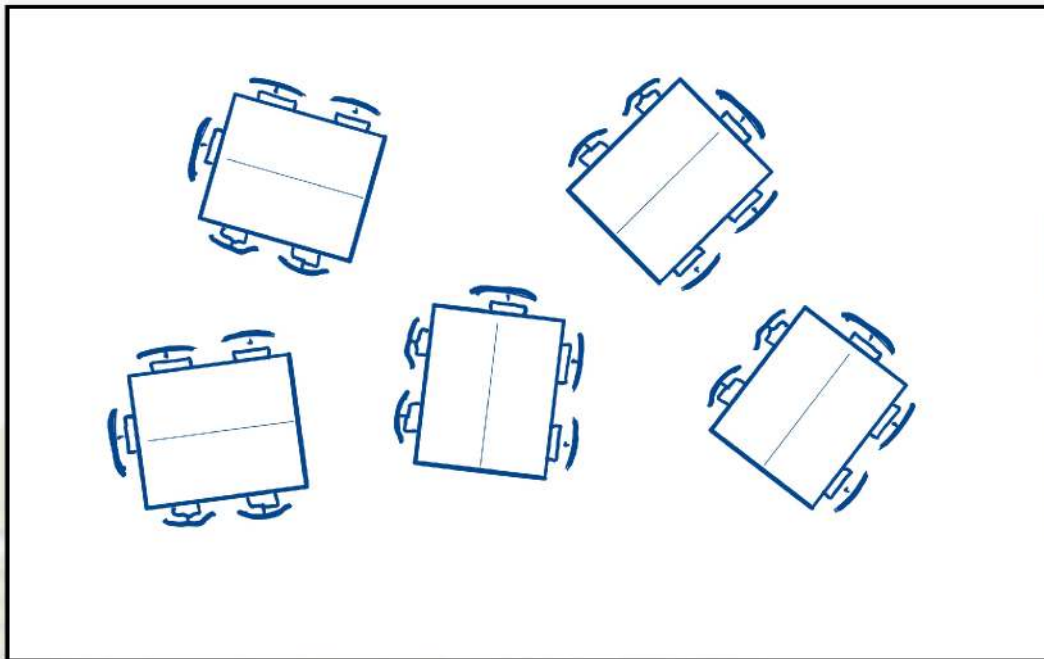# example-mapping…

## Quality Without A Name

Rob Westgeest & Marc Evers

www.qwan.eu

## Before we start

# Cabaret

# example-mapping...

## Quality Without A Name

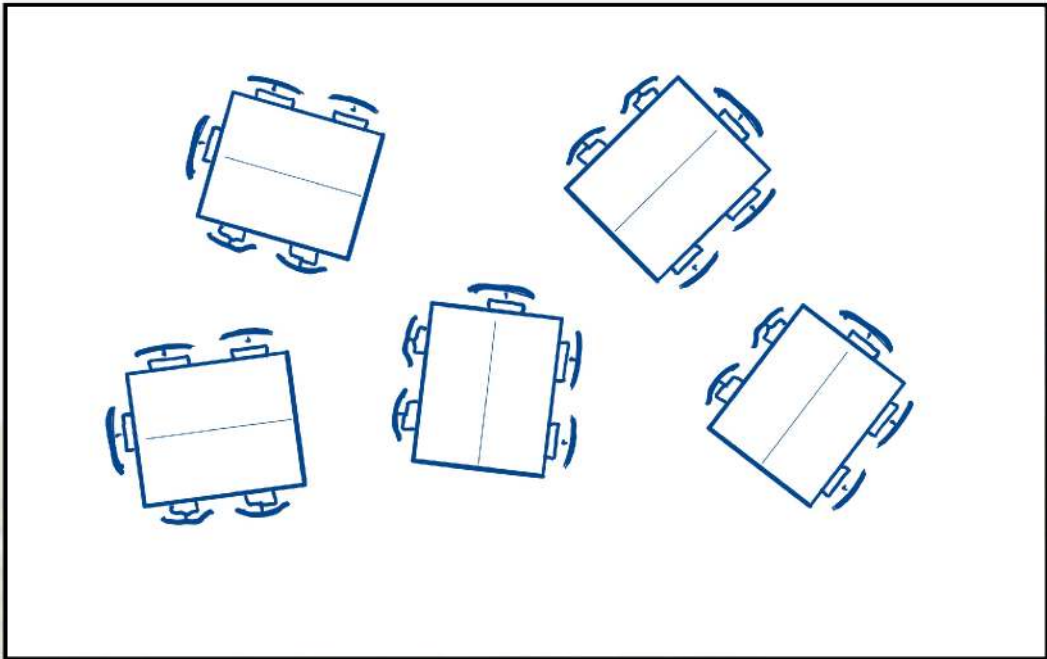Rob Westgeest & Marc Evers

www.qwan.eu

# Quality Without A Name

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We take a systemic approach to help software development organizations become better and more fun to work.

QWAN is a partnership of independent consultants-developers.

**Our learning vision**

*Learning by doing*

# Goal

*More effective and efficient refinements*

# Goal

*More effective and efficient refinements*

*and more fun*



Questions

# Developer

- Spend lot of time in endless refinement sessions?
- Vague or incomplete requirements?
- Stories too big?



# Product Owner

- Find that your developers misunderstand you?
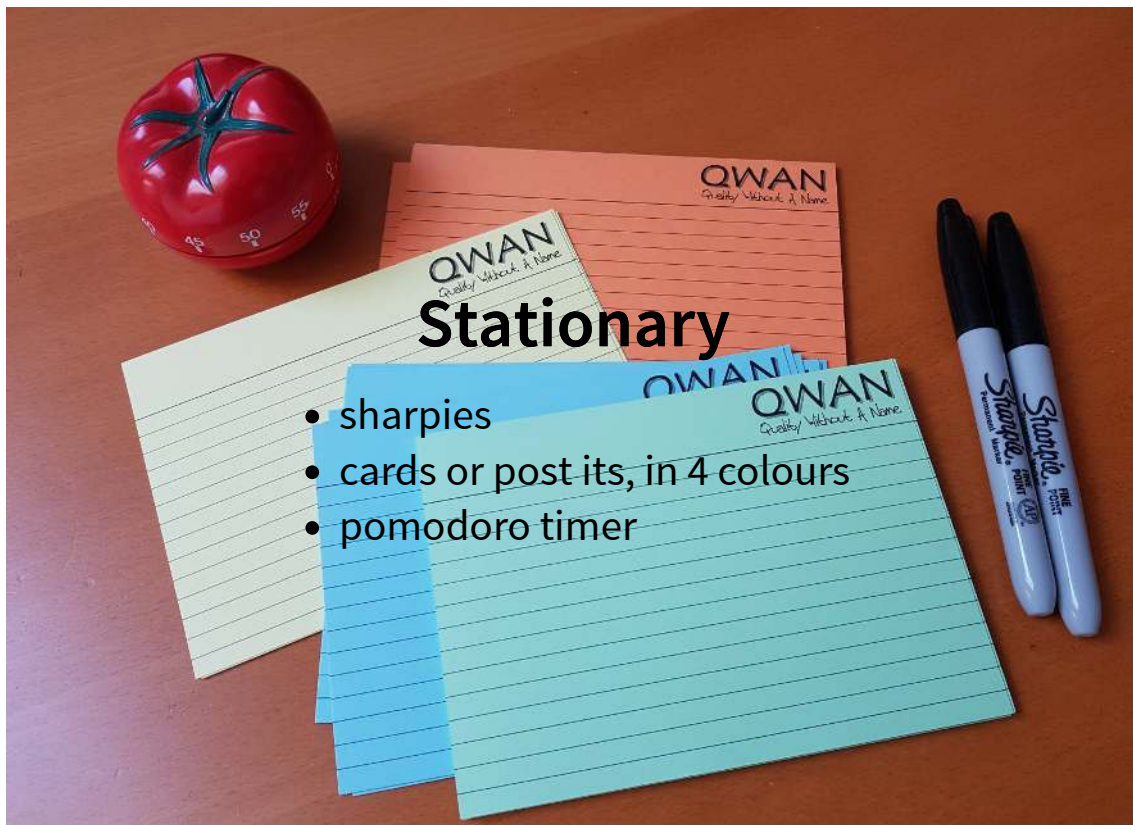- Spend lot of time in endless refinement sessions?

## Testers

- Find lots of bugs?
- Long detailed tests, full of technical details?
- Given up on getting the business on board?

# Benefits

- Discover what you don't know
- Discover acceptance tests
- Discover new business rules
- Discover story splits

# Preparations



## Stationary

- sharpies
- cards or post its, in 4 colours
- pomodoro timer

# Who's present

product owner, developer, tester



# Who's present

product owner, developer, tester

customer, support staff, installer, manager etc. whoever is relevant

# Case:



## Order management

## The story



Confirm Order Drinks inc.

As a     Thirsty Client
I want   to confirm my order
So that I  can enjoy my drinks

# On the flipside

**Acceptance Criteria:**
- order contains alcoholic beverages, then client must be >18
- Invoice based payments only when client is credible
- Direct delivery on moviee based payments
- ideal or bank transfer, then deliver after pay
- Deliver order when all in stock
- Client is updated by email.

# Steps

- Layout story
- Layout rules
- Layout examples
- Add questions along the way

# Layout Story



# Layout Rules

"18+ for alcoholic beverages"

# Add questions along the way

Reds (orange is the new red)



# Layout Examples

Be specific & concrete on the examples

# Example

"order with a coke and a beer
confirmed by 17 year old
confirmation rejected"

# Notes on Examples

- Sad paths and happy paths
- Sad paths expose ambiguities
- Concrete examples help find questions

User story

Question

Question

Rule

Rule

Question

Example

Example

Example

Example

# Take a step back

- Is all said?
- Do you have enough information to estimate & develop?
- Do you have enough information to test?

# Thumb vote

- Too many unknowns
- Too much blue or green
- Sometimes more example mapping sessions

# Take picture
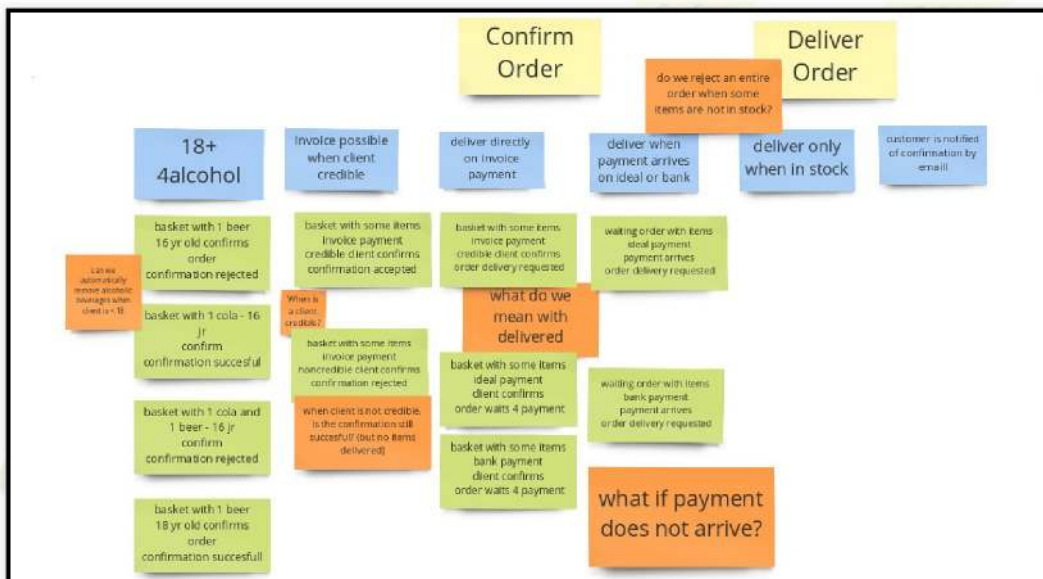
# Recommendations

- Goal is not to answer all questions, but to find out what we still don't know.
- Imagine it is 1920
- Do it at last responsible moment
- One pomodoro - one story
- Translate to Gherkin or whatever you use later

# Example to Gherkin

```
Scenario:
Given An Order with "beer" and "cola"
And My age is "17"
When I confirm the order
Then the order is rejected with message "you cannot order alcoholic b
```

# References

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- Mike Cohn, The Forgotten Layer of the Test Automation Pyramid (Dec 2009)
- Lisa Crispin & Janet Gregory, Using the Agile Testing Quadrants (Nov 2011)
- Alistair Cockburn, Hexagonal Architecture (2006)
- Gáspár Nagy, Balancing Scenarios and Unit tests (2017)