

Smart agile testing for Us

Test Practices Explained

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Thank you to www.growingAgile.co.za

and Lisa Crispin & Janet Gregory in 'Agile Testing, a Practical Guide...'



What Smart?



How
Smart?



DOs and DON'Ts

THE TESTING Manifesto



we value:

Testing
throughout

OVER

testing at
the end

Preventing
bugs

OVER

finding
bugs

Testing
understanding

OVER

checking
functionality

Building the
best system

OVER

breaking the
system

Team
responsibility
for quality

OVER

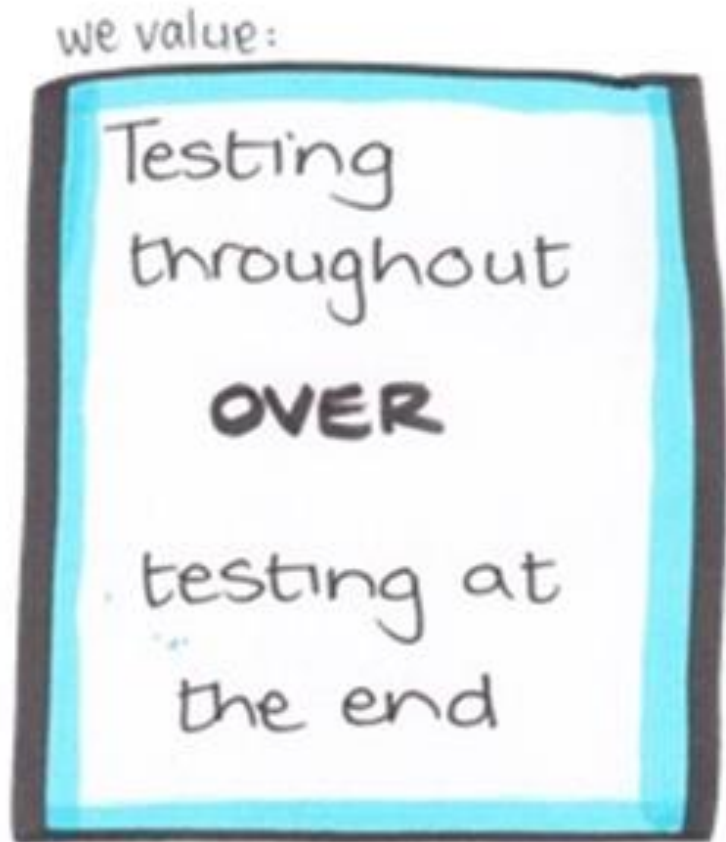
tester
responsibility

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Testing throughout over testing at the end



- Testing is part of Development, like coding.
- Testing at each iterations,
- Testers collaborate with all team members.

Agile Team DO's:

- Testing involves All members
- Add special Expertise from Testers
- Frequent Intervals (in every Sprint)
- Work at sustainable Pace, together
- Deliver Business Value to the Customer

Agile Team DON'T:

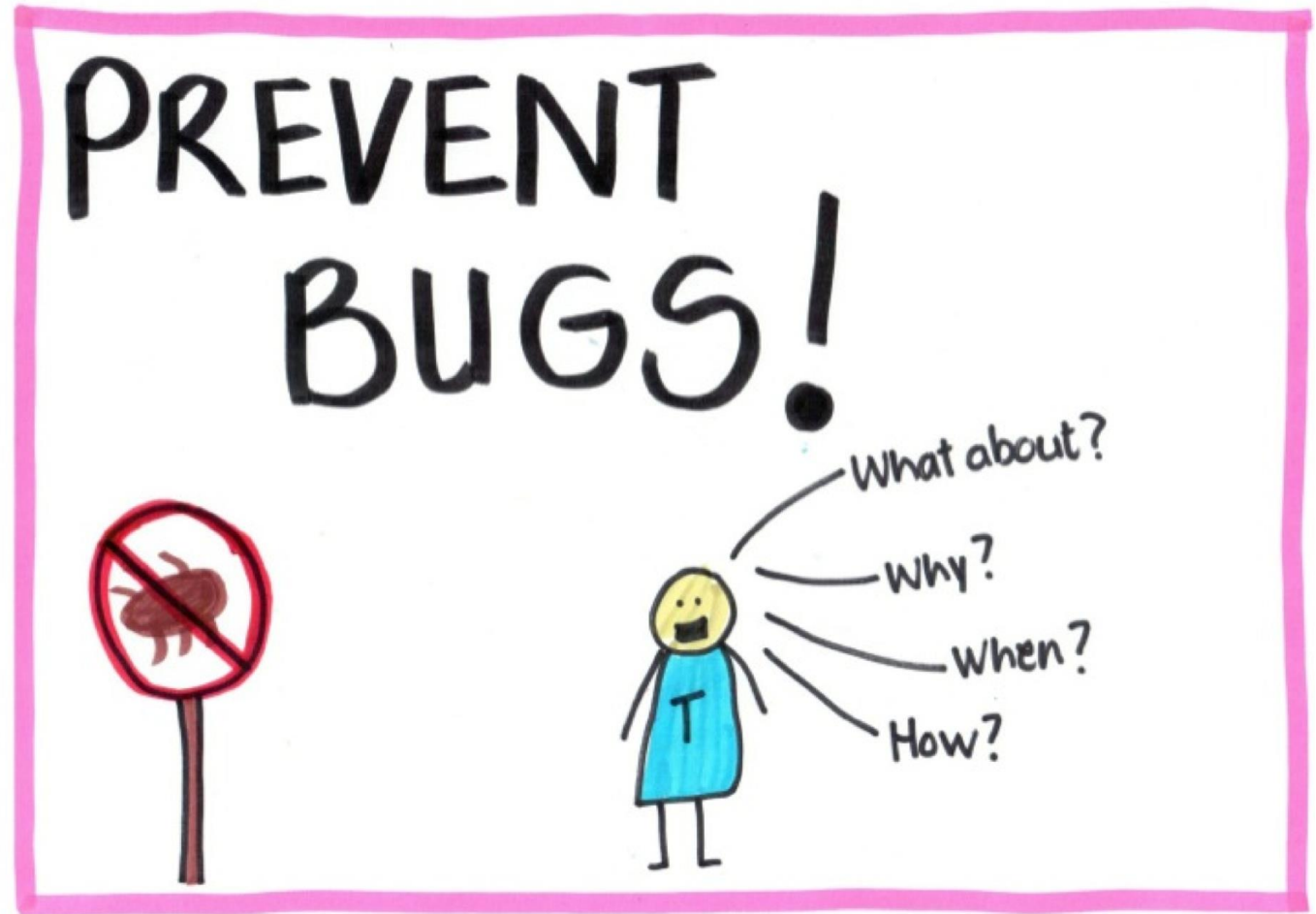
- Waterfall-Like Sprints



<https://dzone.com/articles/overcoming-testing-challenges-in-agile>



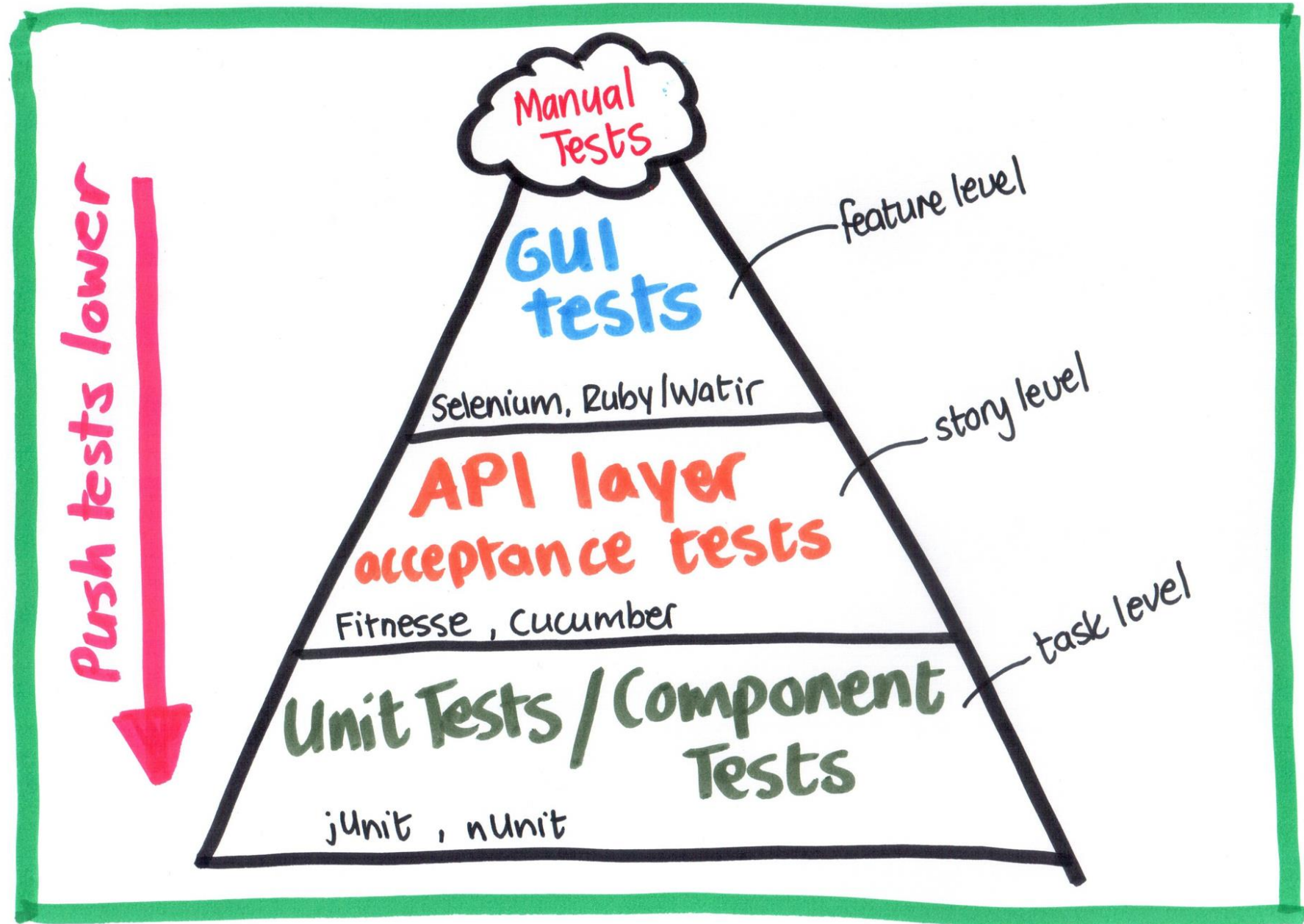
Preventing Bugs



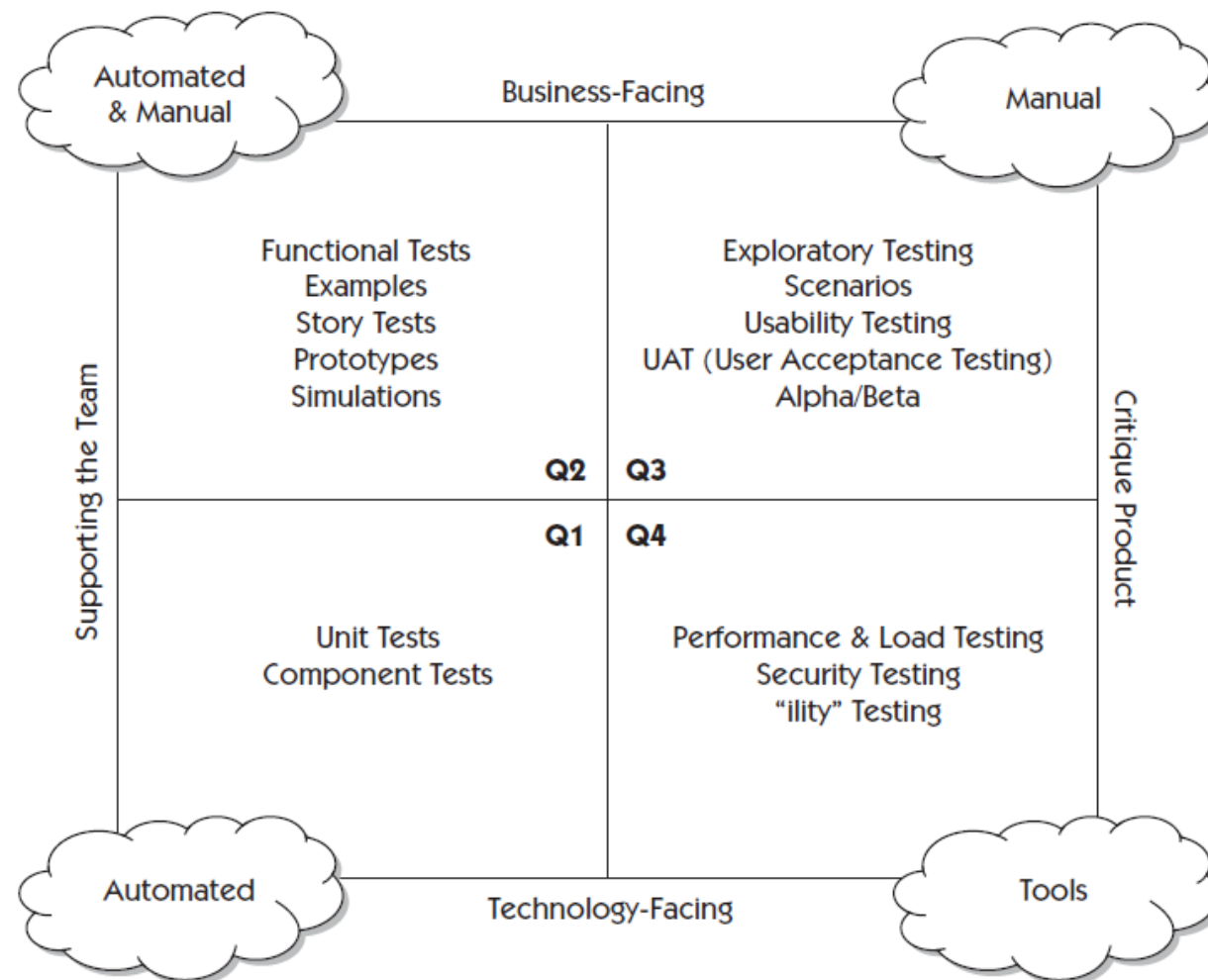
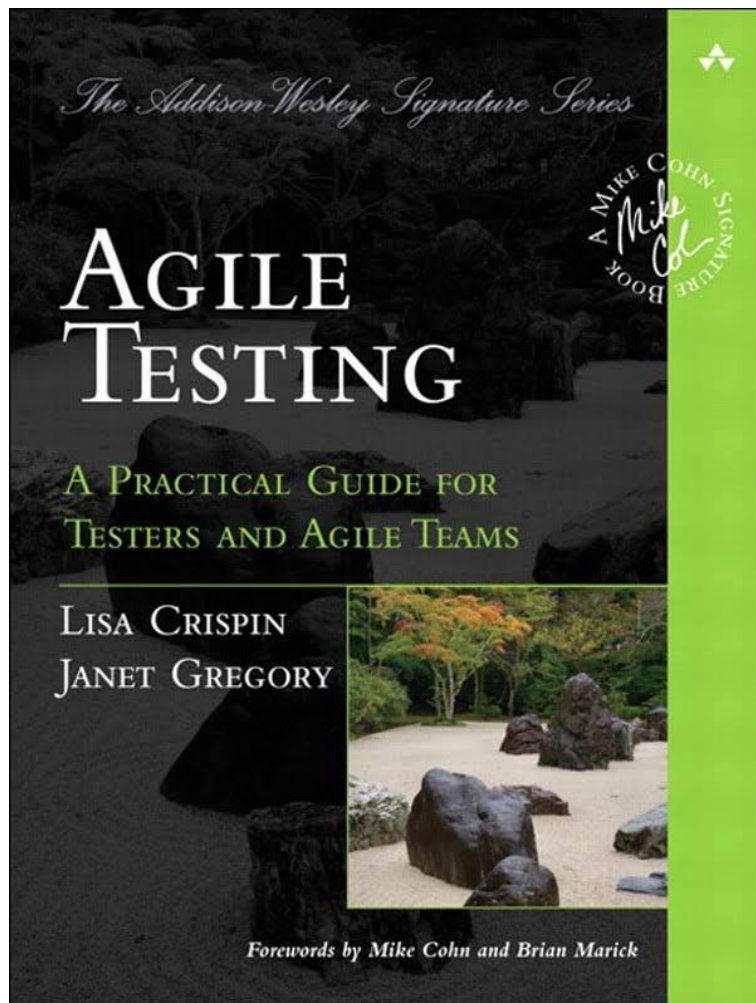
Shift-Left: Test Early, Test Often



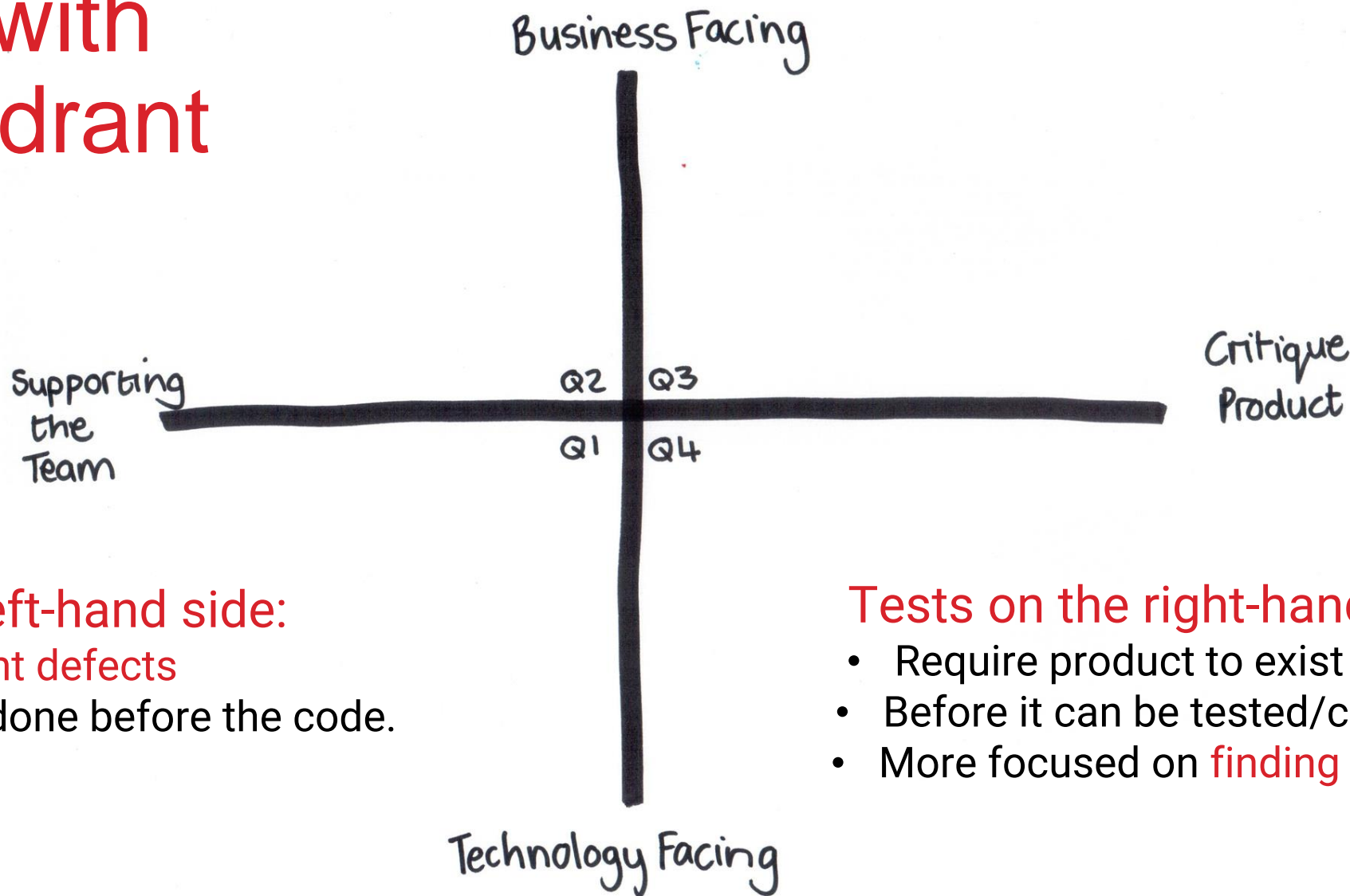
Shift-Left:



How? Agile Testing Four Quadrants



Start with a quadrant



Tests on left-hand side:

- Help **prevent defects**
- If they are done before the code.
- TDD, BDD

Tests on the right-hand side:

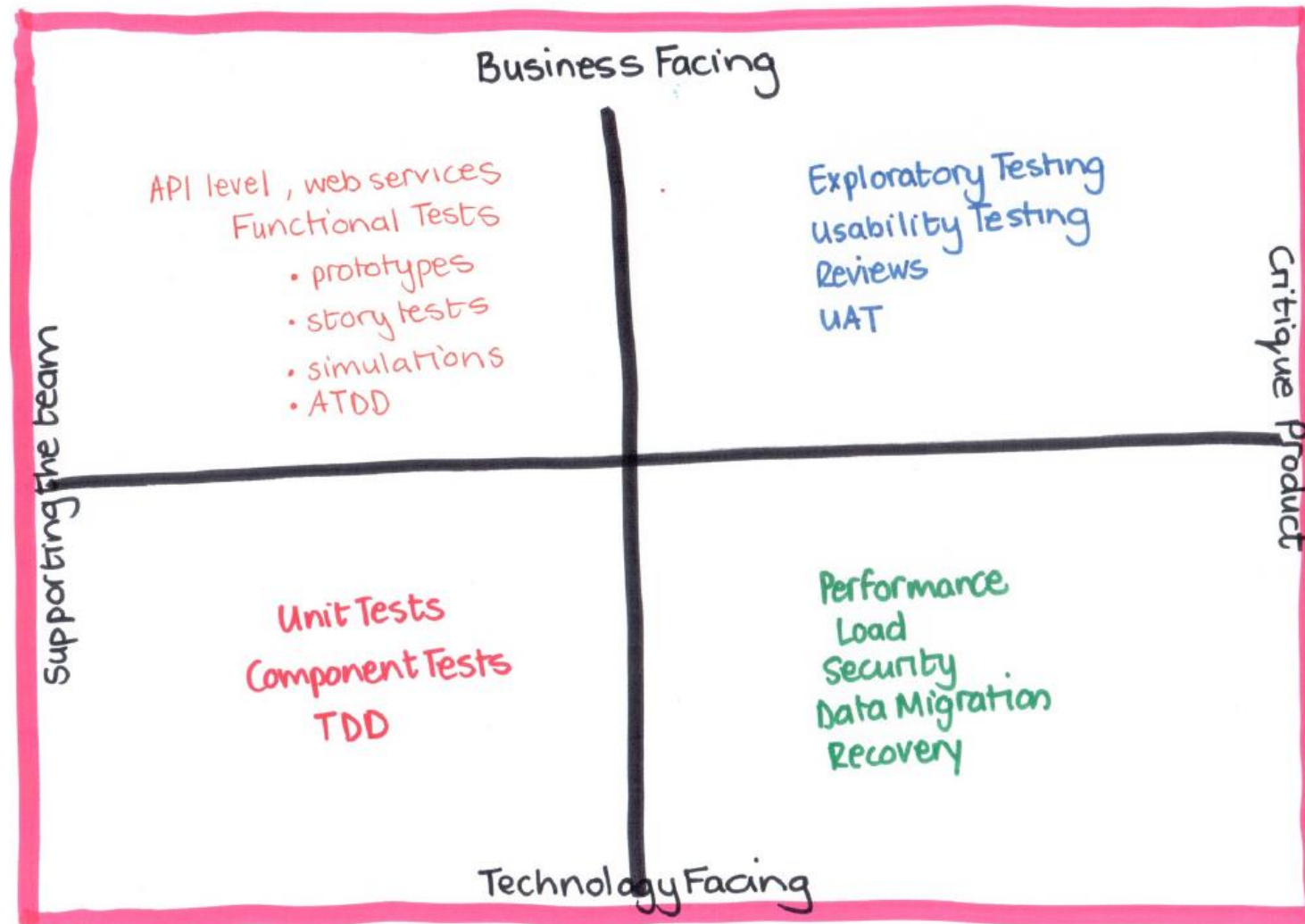
- Require product to exist already
- Before it can be tested/critiqued
- More focused on **finding defects**



Then plan your tests

Automated,
Manual

Automated



Manual

Tools



Testing Understanding

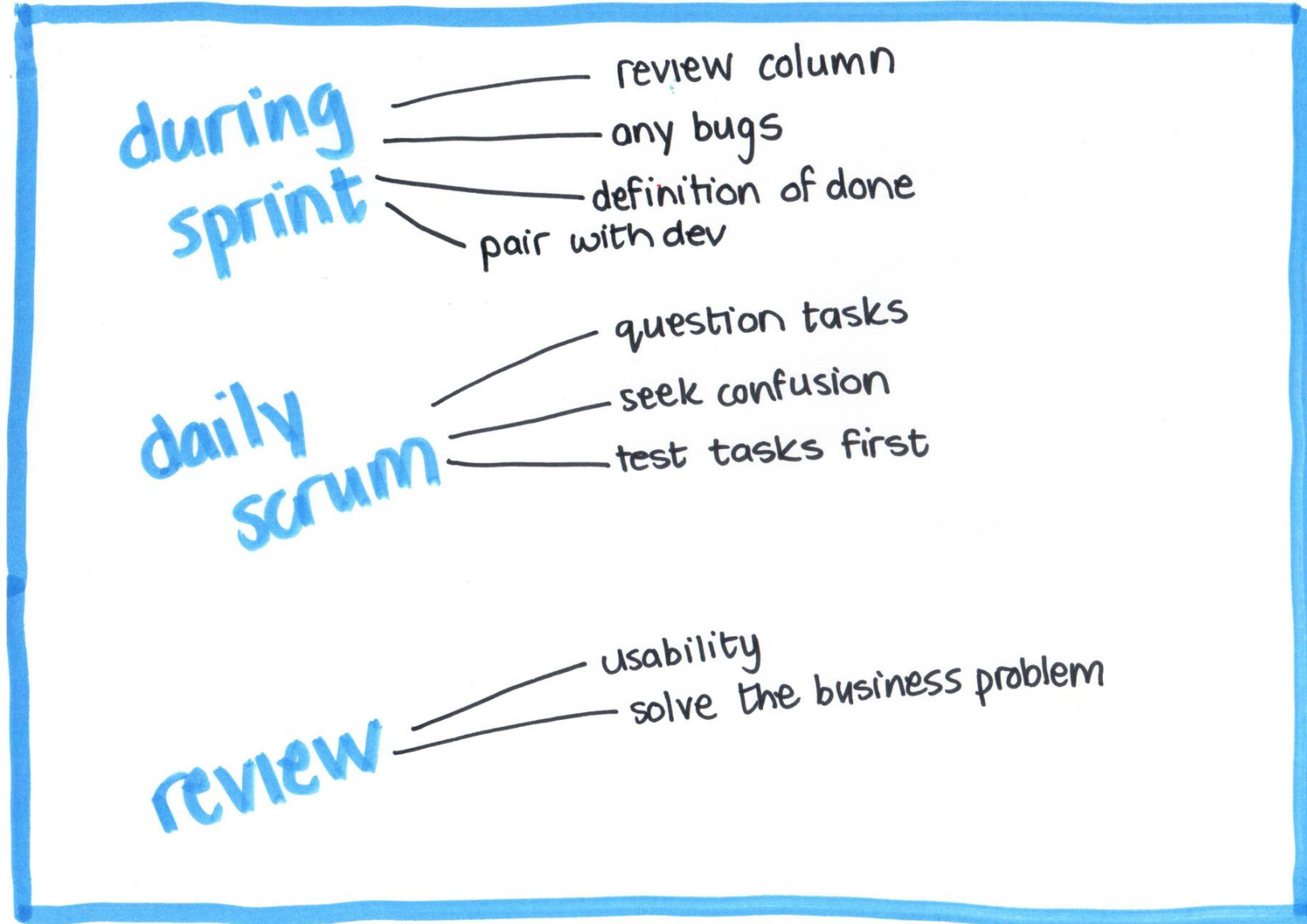


Agile Team DO's:

- Adopt Shift-Left mindset =
- Involve testers early in lifecycle
- **Testers can Help**
 - Double-check business requirements
 - Challenge developers understanding what to code
 - In scrum re-act, interact, discuss
 - In demo's on DEV PC and
- **BENEFIT: You code what is Required**



Testing When?



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Building the Best System

is a Team Responsibility



- Read more on their website:

www.growingAgile.co.za



A few things to remember

- Agile teams use a **whole-team approach** to **baking quality in** to the software product.
- **Testers** on agile teams **lend their expertise** through **examples** of desired behavior from customers,
- **Collaborate** with the development team, ... and all the others
- Turn examples into executable specifications to **guide coding**.
- Testing and coding are done **incrementally and interactively**, **building up each feature** until it provides enough value to release to Production.
- Agile testing covers **all types of testing**.



Questions?

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Khagan has 4 focus points

Khagan focuses on advisory and consulting services. With its collective experience, it covers a wide range of themes.

In **risk management**, Khagan's capacities range from the implementation of an enterprise risk framework to niche skills in risk modeling. The risk management capacities are applicable from large and complex companies like insurance groups to small, medium and large enterprises, even if they are active in uncommon industries like the entertainment business. Khagan has a specific methodology to implement a risk framework or assess it.

Khagan can cover all the **financial functions** that a company requires. From process revamping to ensuring finance operations run within a tight internal control framework, from the implementation of ERP's to the operational aspects of M&A, Khagan's team lived through all the phases a finance team can go through. Khagan's team built a specific diagnostic tool to guide some of their interventions. This tool is built on multi-industry experiences in companies of all sizes.

The **predictive smart management** product is a methodology that enhances the use of data in a company to objectivize the decision-making process. It is backed up by cutting edge research only made available through tight working relationships with the universities. Our team worked with organizations like the Brussels police and transport organizations.

Thanks to the projects our team work on, we can help you on interacting with your clients. Khagan will help you in think tanking on your **responsive interface, UX Design, developing your products and services** to plan your marketing efforts.

