

Bune practici & Refactorizare

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**WHEN YOUR SONG
COMES ON BE LIKE**



Happy
Dance like
a  day!

Bune practici implicite



1. Frequent and continuous integration

2. Test Driven Development (TDD)

3. Pair development

4. Build security in

5. Fast and verified automated build

6. Automated deployment pipeline

7. Early and continuous deployment

8. Quality and debt effectively managed

9. Build for production

Fast Feedback

Fast feedback means being able to find out whether a change has been successful in moments not days. It might be that unit tests have passed, or that we haven't broken production, or that a customer is happy with what we've built.

Repeatability

Repeatability is the confidence and predictability that comes from removing manual tasks that introduce weird inconsistencies. We also want to spend time on activities that are more important than troubleshooting something that should have just worked.

Simplicity

We want software that contains no more complexity than it needs to do a good job. We build for what we need now, not what we think might be coming. But we make choices that allow our software to rapidly change to meet the requirements that are coming.

↑ Deployment Frequency

↓ MTTR

↓ Lead Time for changes

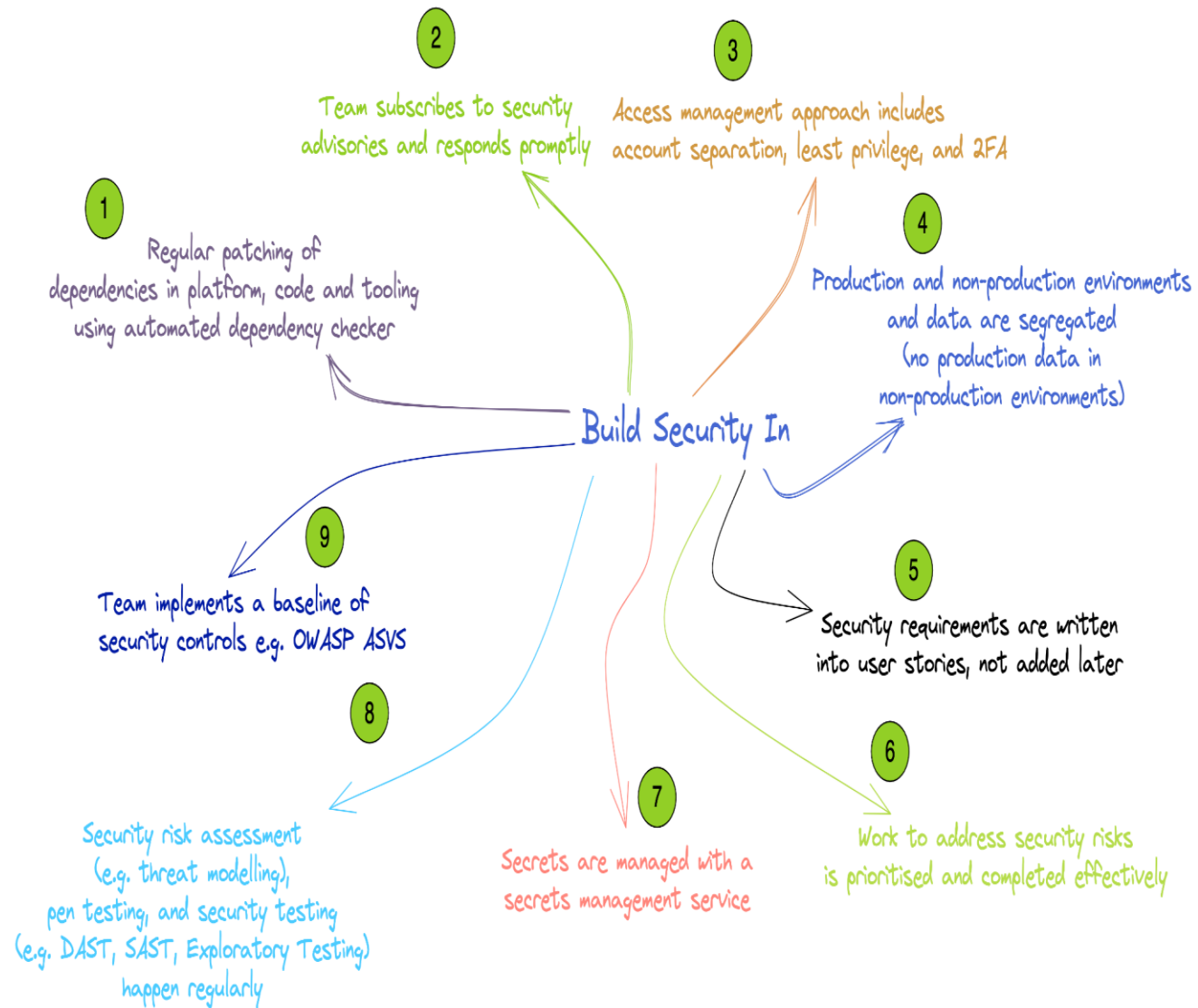
↓ Change Failure Rate

Frequent and continuous integration

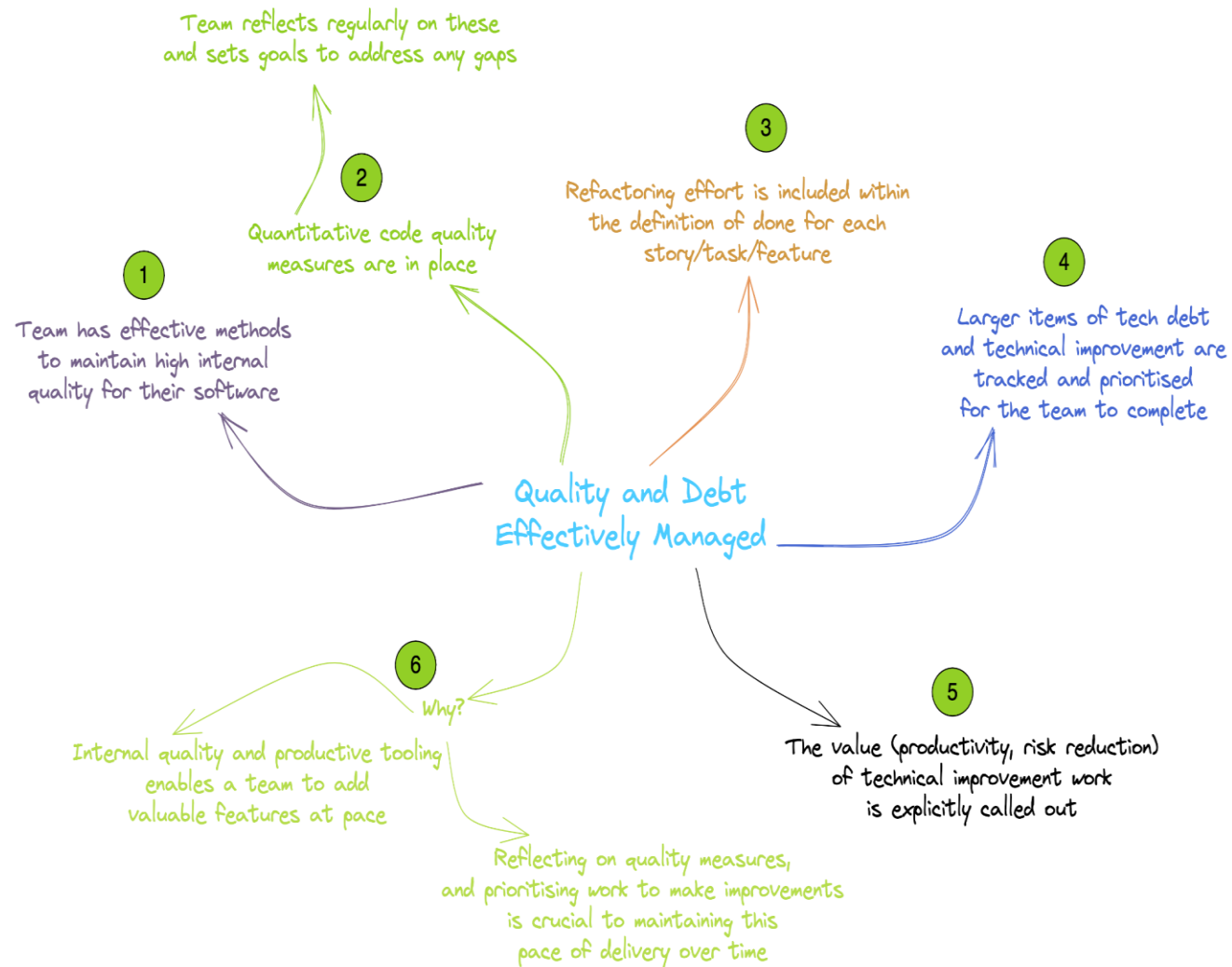




Pairing and pair programming



Build Security In



Quality and debt effectively managed

Ce este refactorizarea?

De ce este necesară?

Modificarea unei secvențe de cod care funcționează corect fără a-i schimba funcționalitatea externă

Parte a activităților zilnice

Unelte care automatizează sunt utile dar nu esențiale



Reorganizare



Optimizare

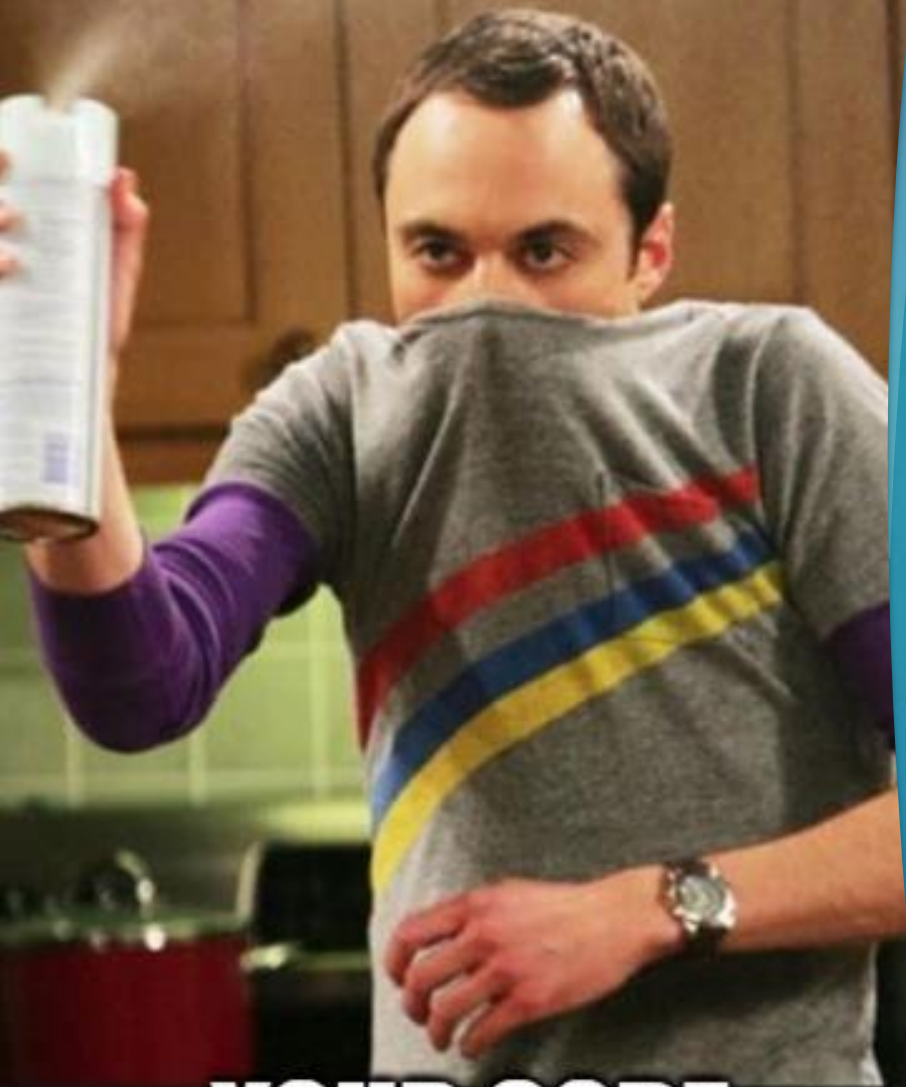


Comportamentul extern nu e alterat



Structura internă e îmbunătățită

SOMETHING SMELLS



YOUR CODE

Code
smells

La nivel de aplicație

Duplicated code

Shotgun surgery

Contrived complexity

Speculative generality

Mysterious name

La nivel de clase

God object

Feature envy

Lazy class

Inappropriate intimacy

Refused bequest

Cyclomatic complexity

Data clump

Message chain

Middleman

La nivel de metode

Prea mulți parametri

Metodă prea lungă

Switch sau multiple blocuri de decizie

Prea multe comentarii

Nume prea lungi sau prea scurte



Mulțumesc

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