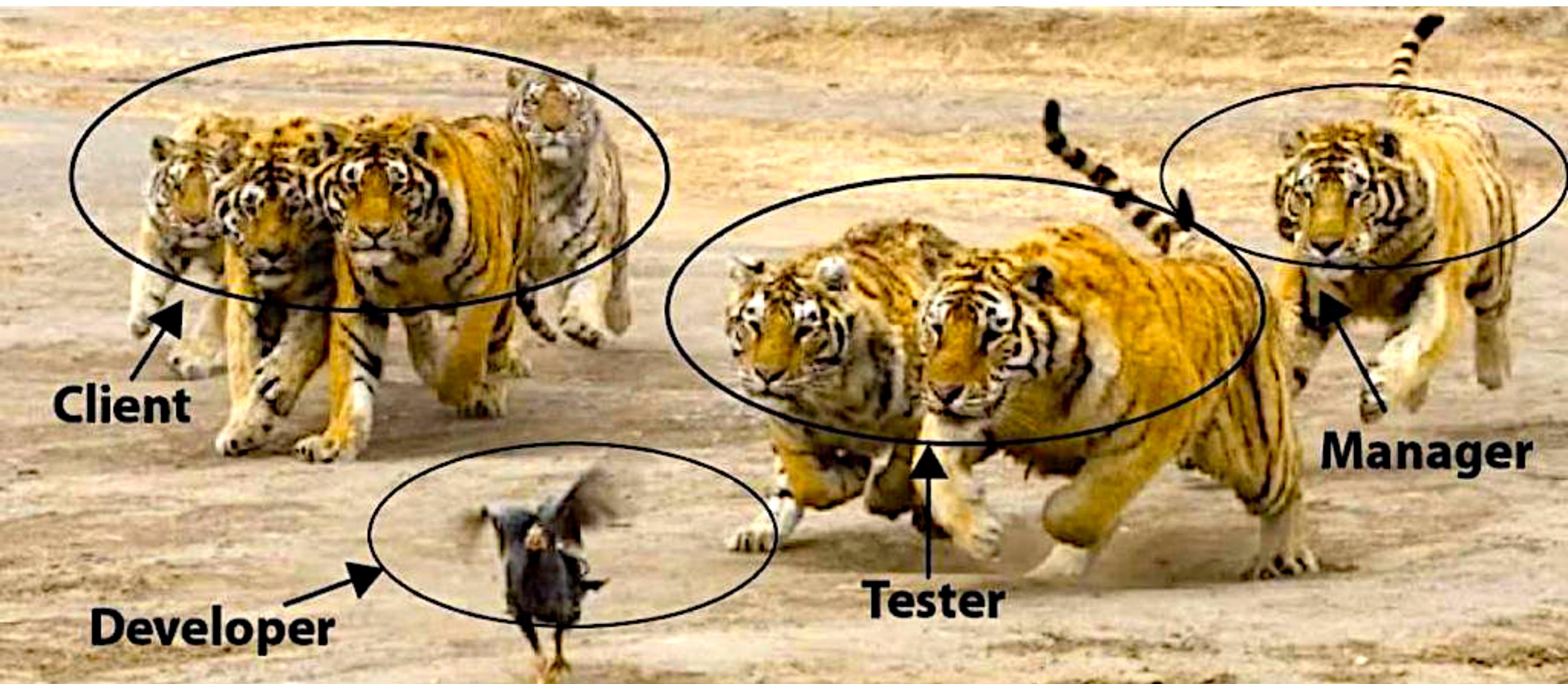


Developer Testing



เสร็จหรือยัง ?







ເສີ່ງຫວຼອຍໆ ?



1. สิ่งที่ทำ ทำงานตามที่คาดหวัง



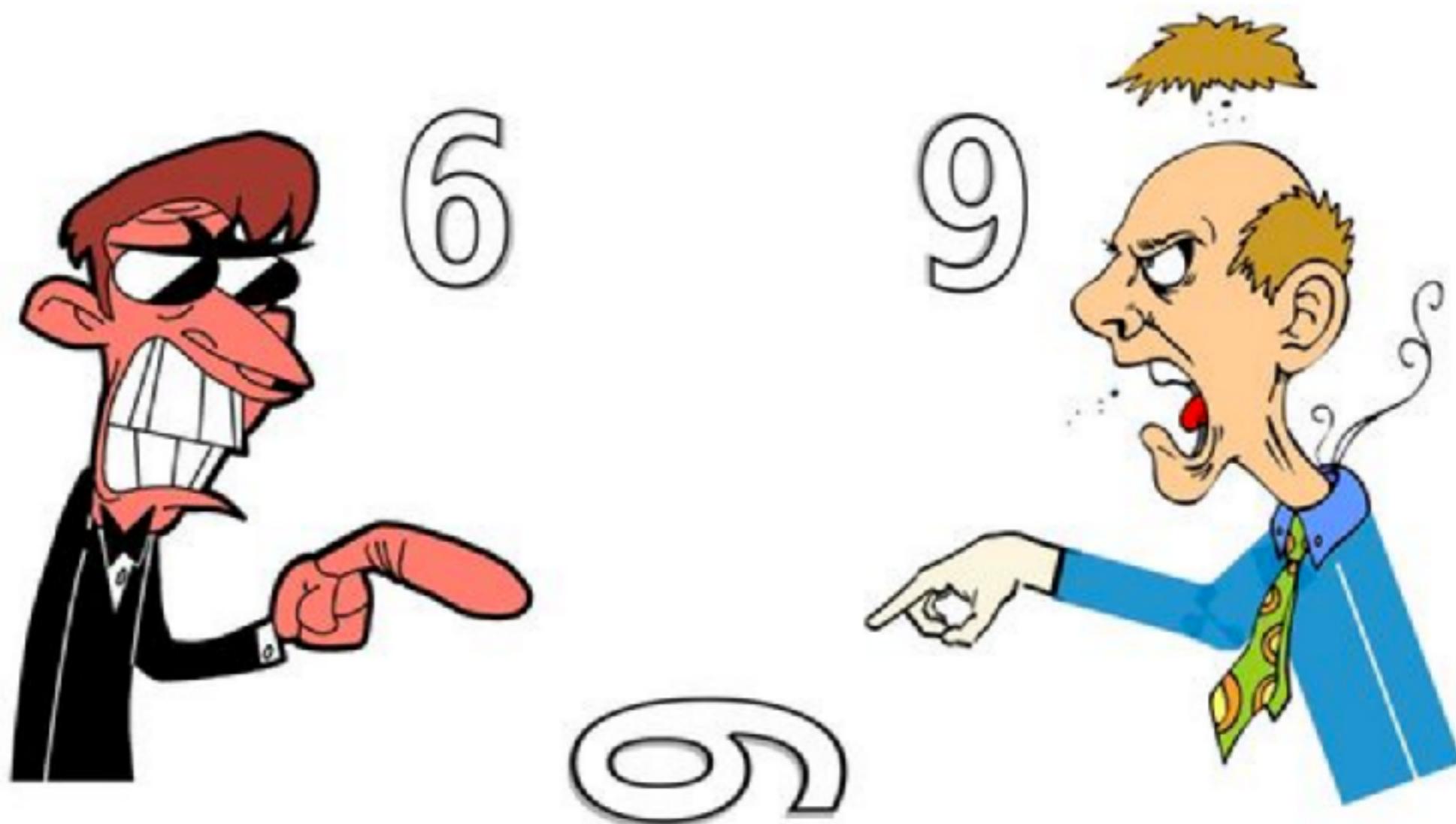
2. สิ่งที่ทำ ไปกระทำส่วนอื่นใหม่ ?



Bug เยอะจัง ?



Developer vs Tester





www.cartoonistshilpa.com

บริษัท สยามชำนาญกิจ จำกัด และเพื่อนพ้องน้องพี่





???



บริษัท สยามชำนาญกิจ จำกัด และเพื่อนพ้องน้องพี่

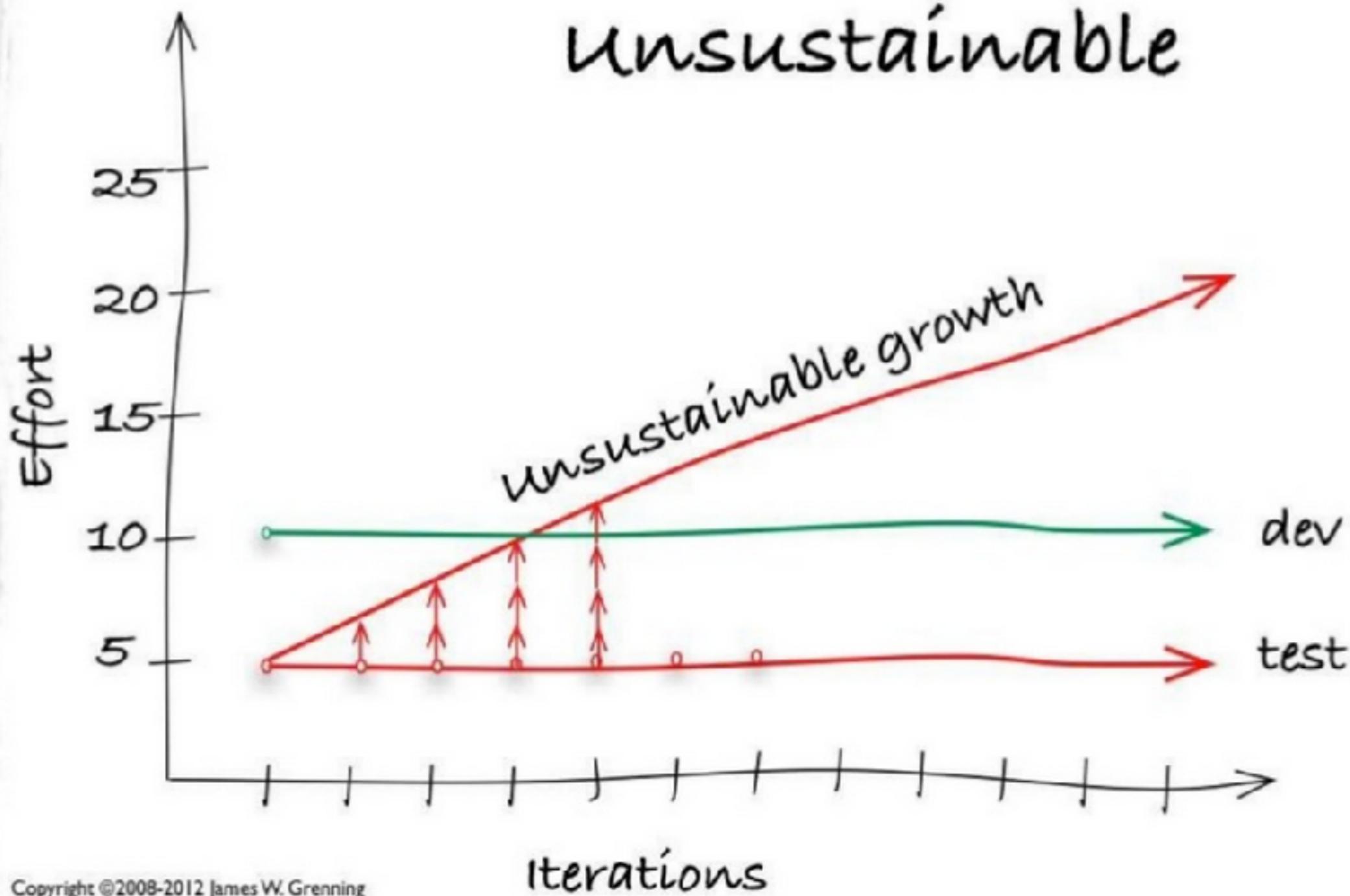
ใครชนะ ?



บริษัทแพ็ !!



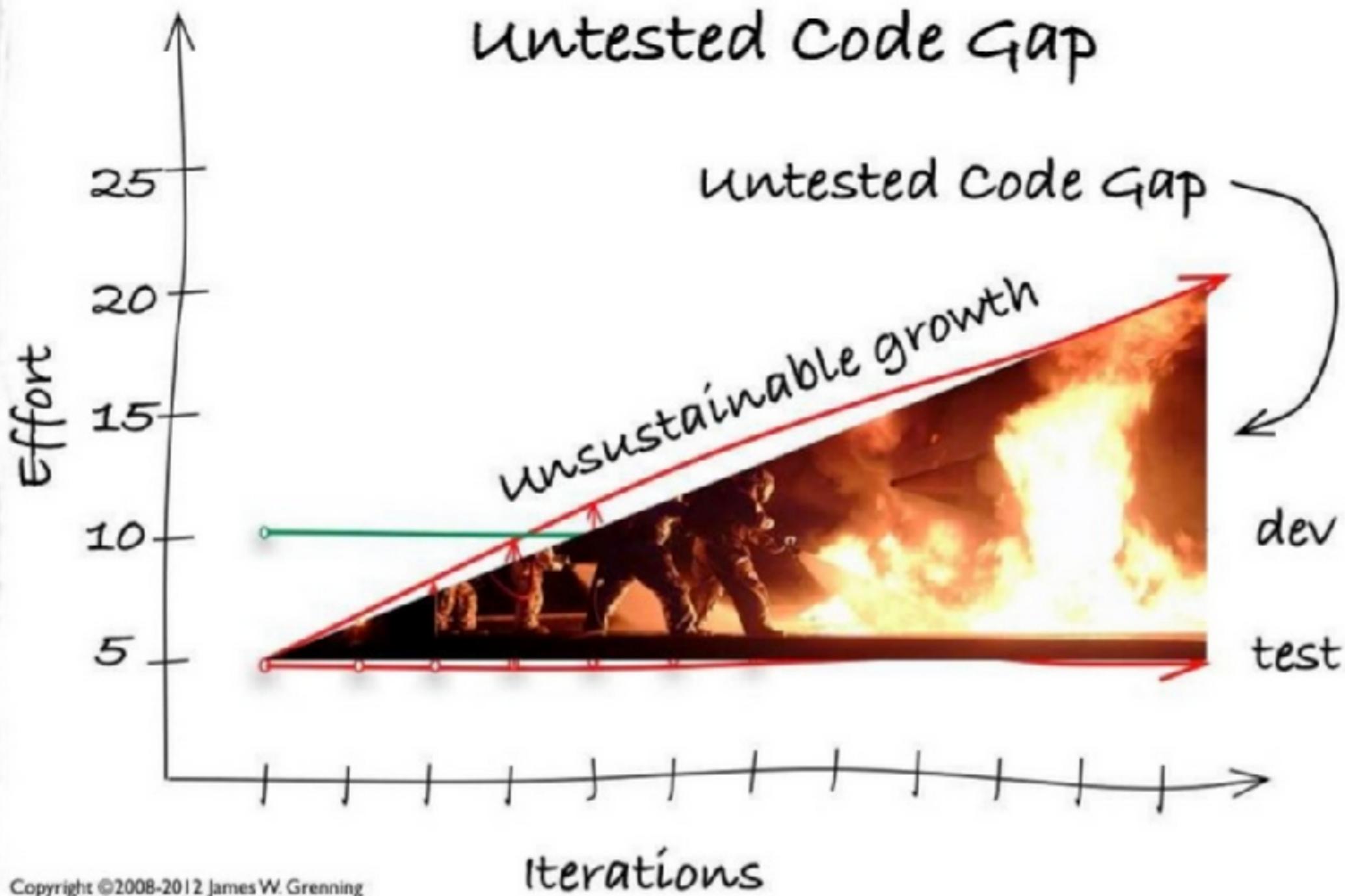
Manual Test is Unsustainable



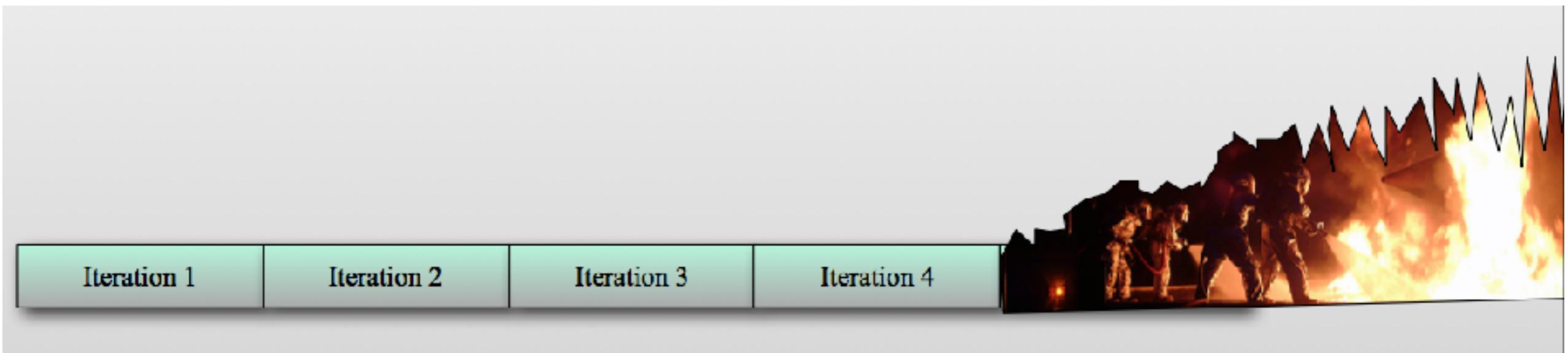
Copyright ©2008-2012 James W. Grenning
All Rights Reserved.



Risk Accumulates in the Untested Code Gap



ปัญหา



ทำอย่างไรดี ?



1 year

1 year

1 year

1 year

1 year

I've got 10 years
experience !!

1 year

1 year

1 year

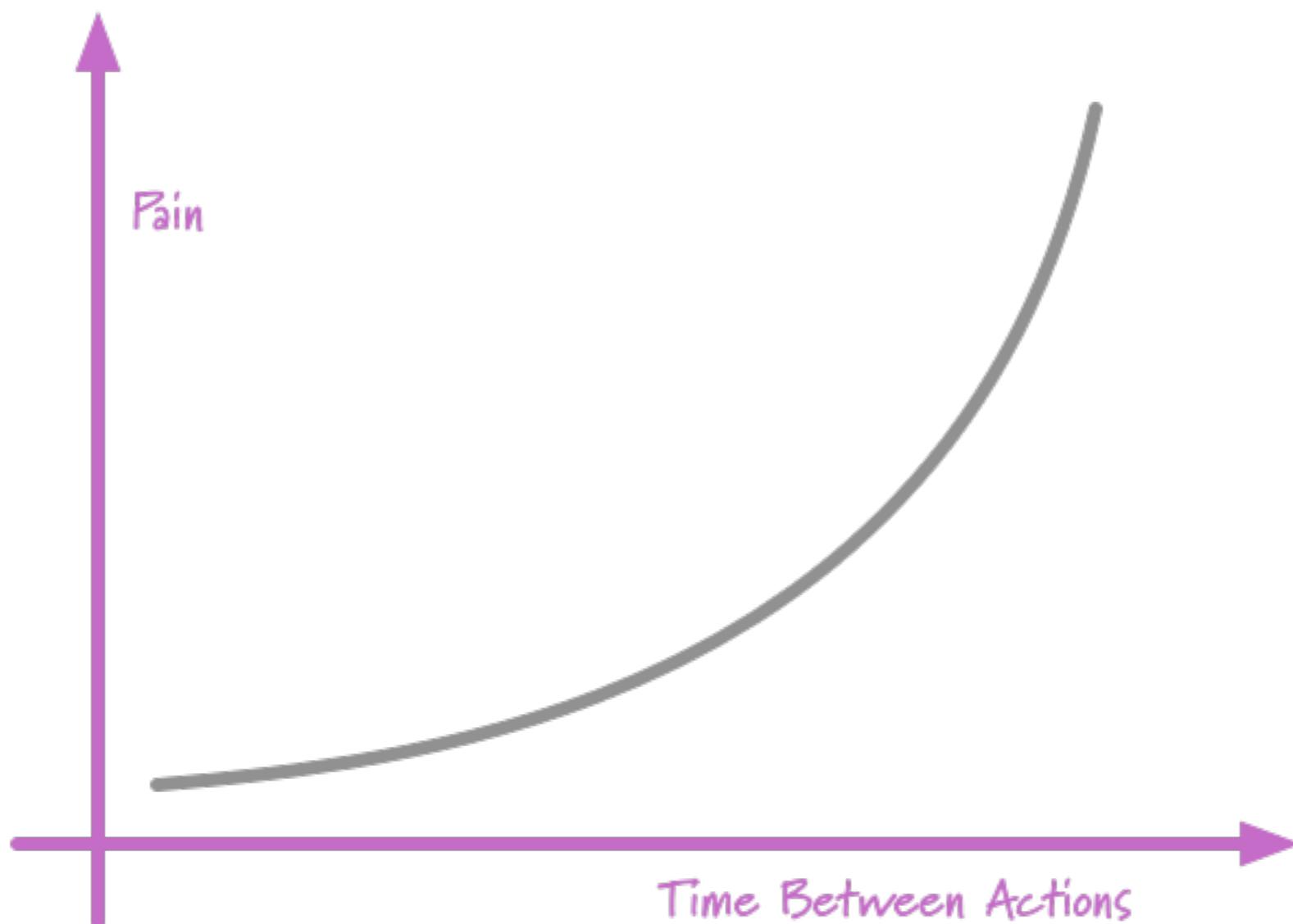
1 year

1 year



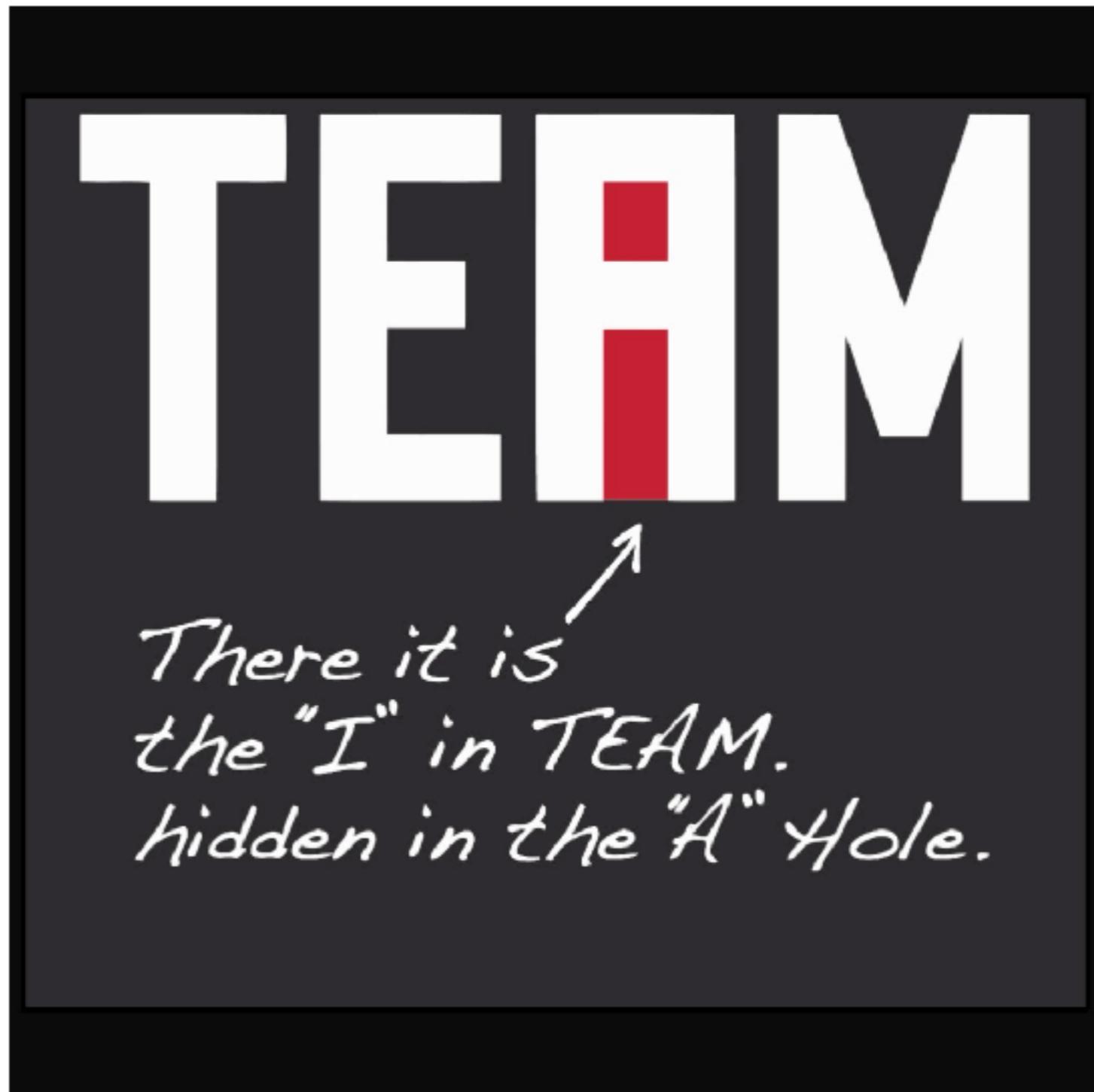


If it hurts, do it more often



<http://martinfowler.com/bliki/FrequencyReducesDifficulty.html>



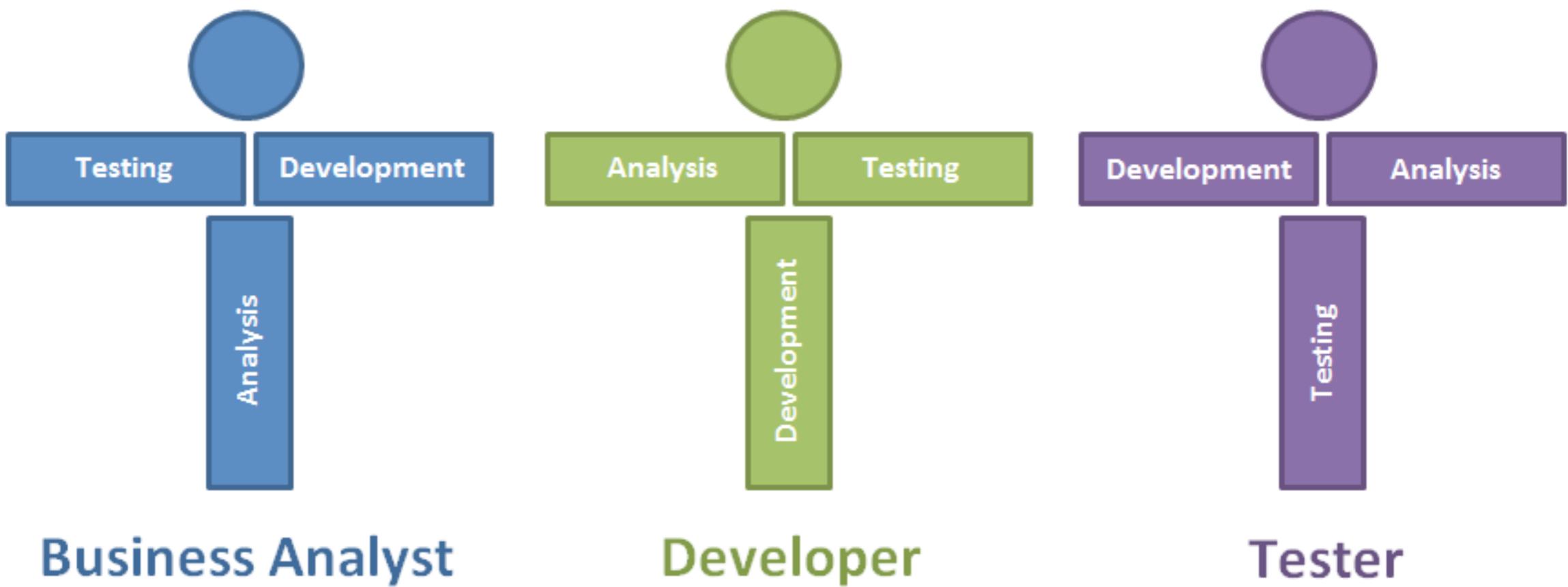


I in Team - There it is hidden in the... by ginjavv

Zazzle



T-Shaped Agile Team



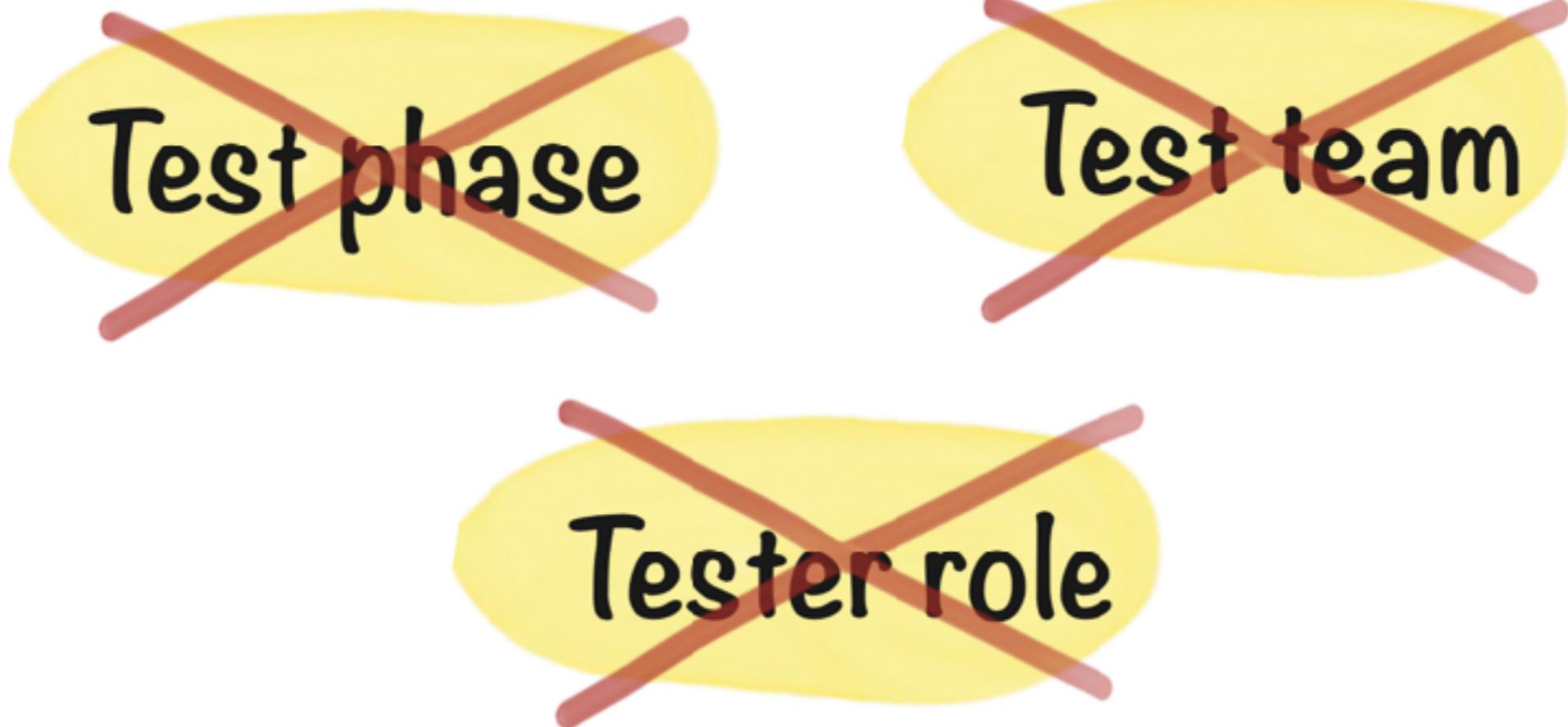
<http://blog.scottlogic.com/2014/07/07/School-of-Testing.html>





บริษัท สยามชำนาญกิจ จำกัด และเพื่อนพ้องน้องพี่





<http://blog.crisp.se/wp-content/uploads/2013/08/20130820-What-is-Agile.pdf>



Testing is Activity ?



Show your testing activity

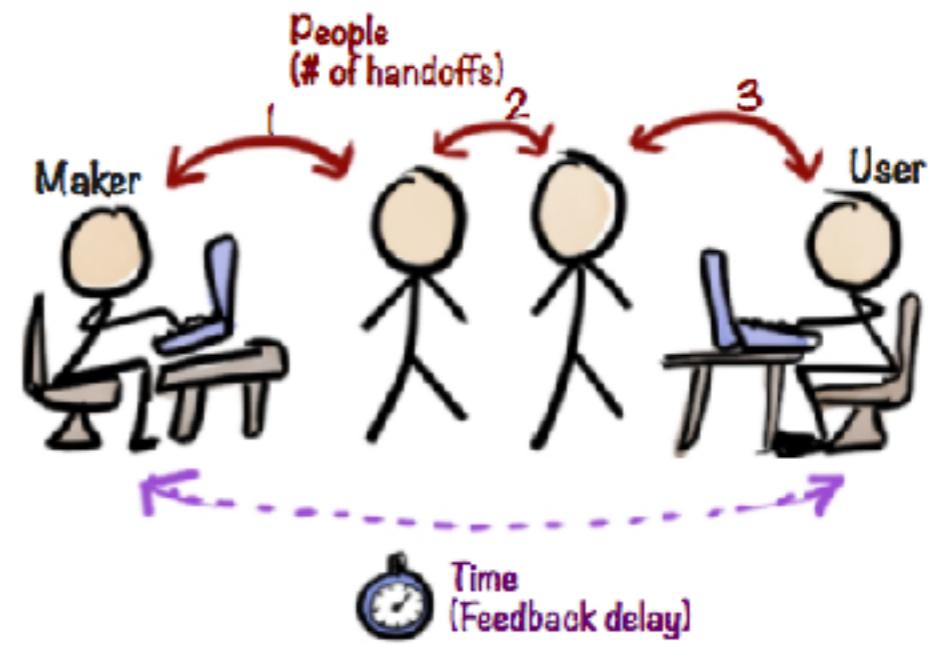
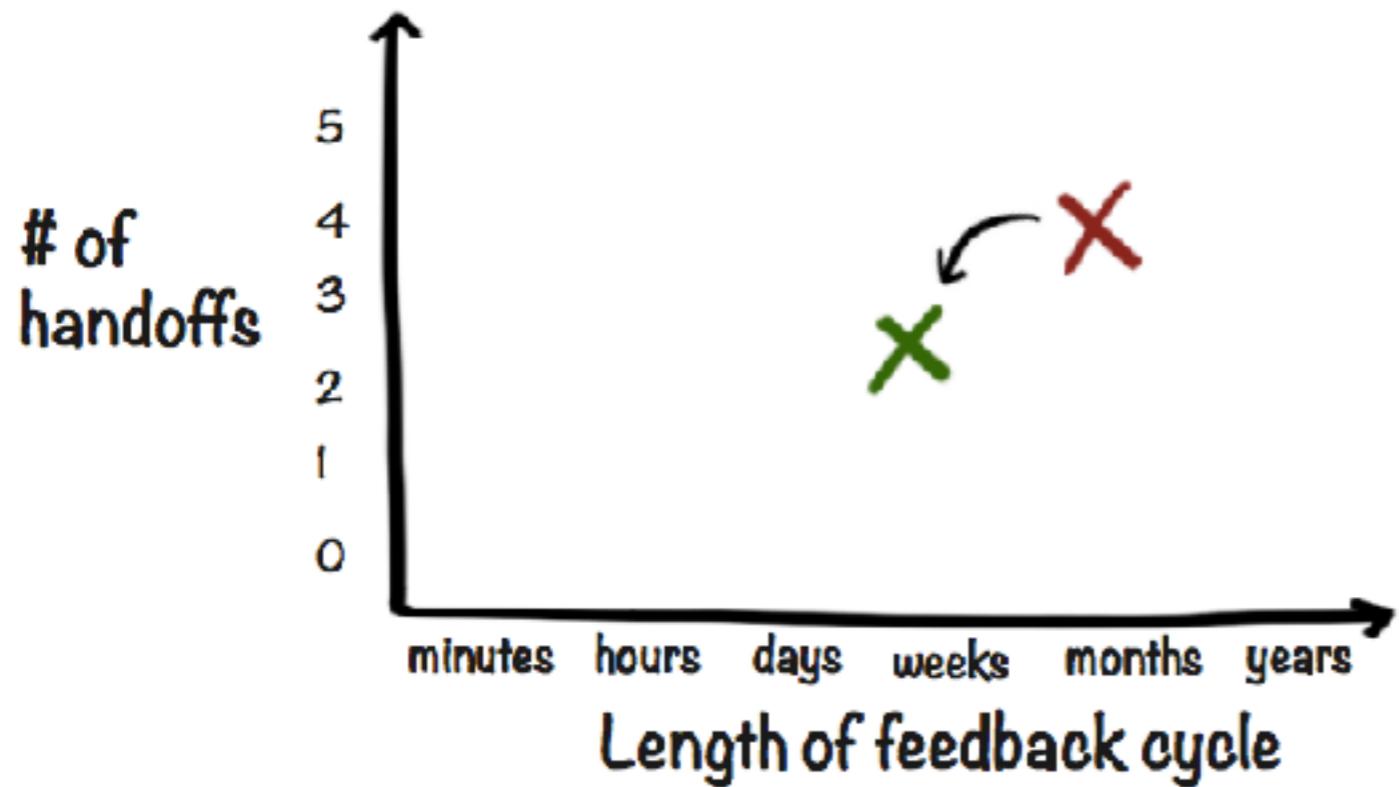


Sit with developers



All the defects are Fixed and Retested by Tom and Jerry

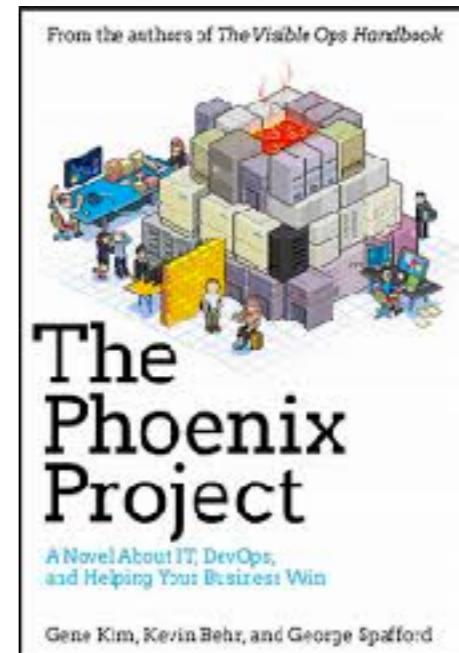
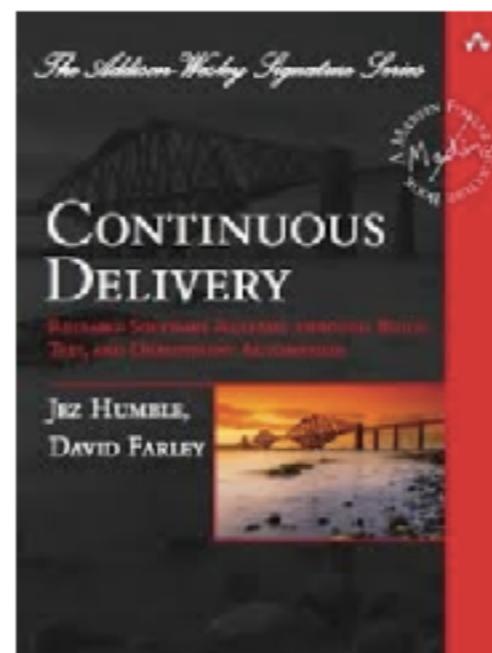
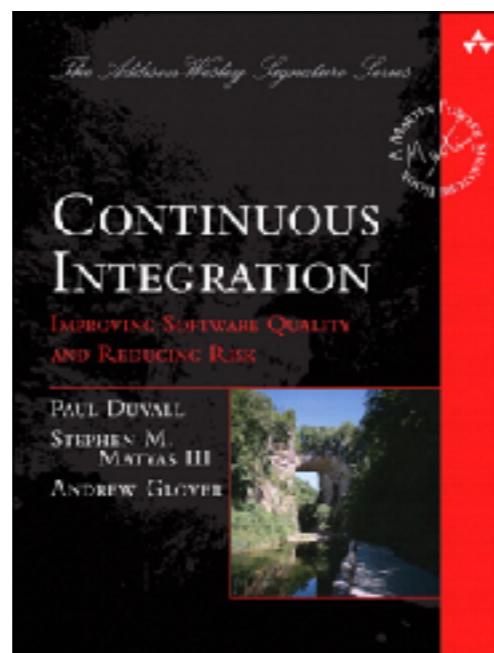
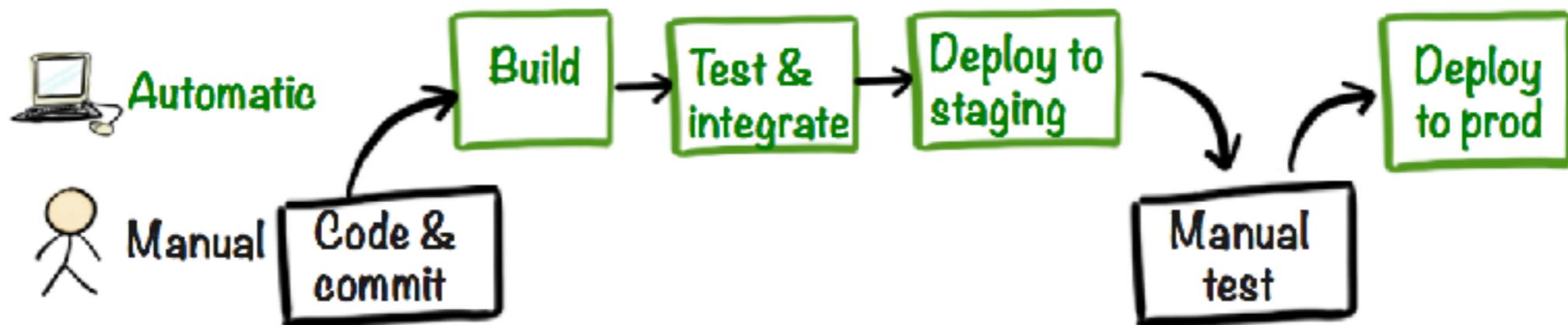
Shorten the feedback loop



<http://blog.crisp.se/wp-content/uploads/2013/08/20130820-What-is-Agile.pdf>



Push for Continuous Delivery

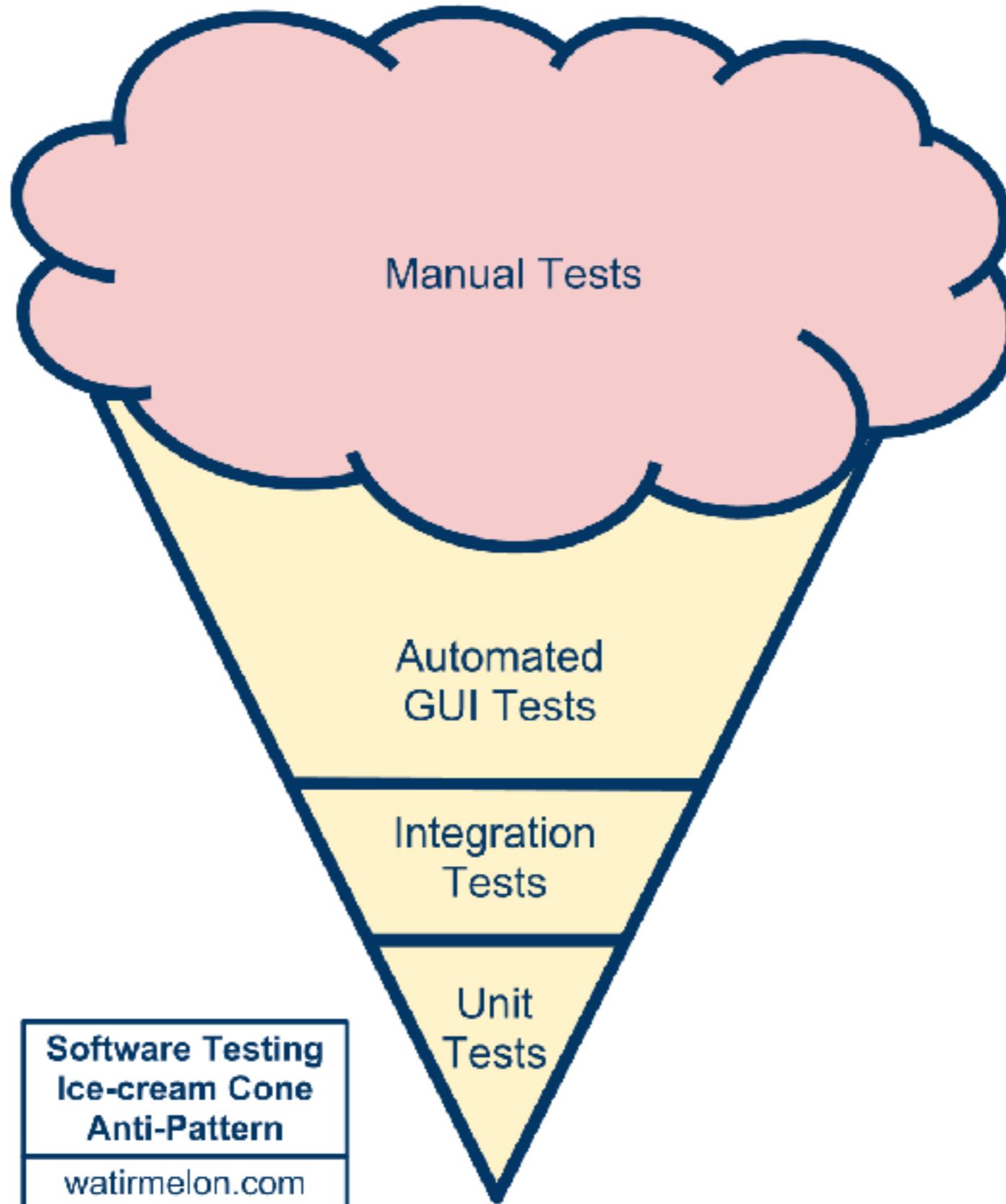


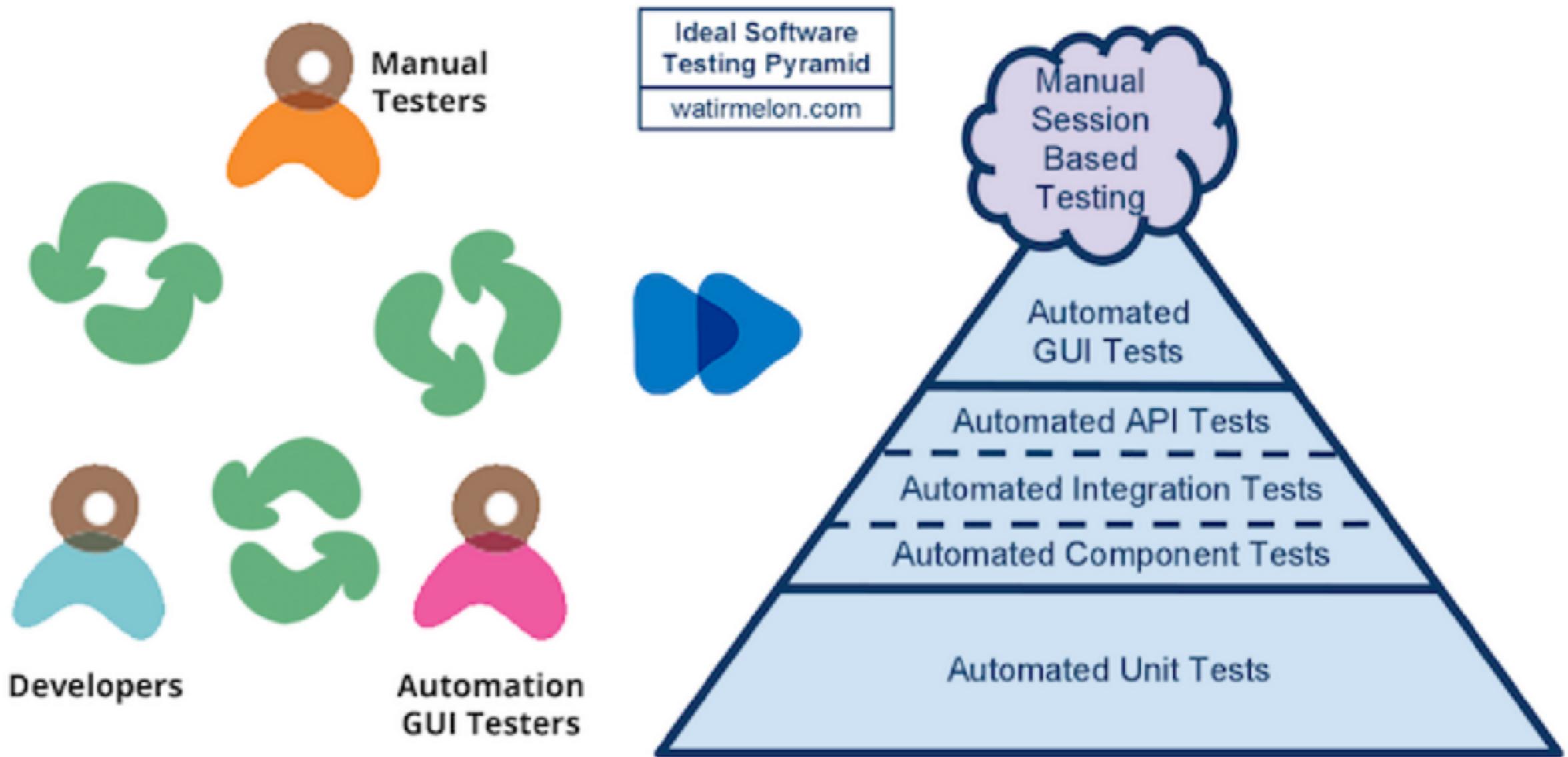
<http://blog.crisp.se/wp-content/uploads/2013/08/20130820-What-is-Agile.pdf>



Software Testing pattern

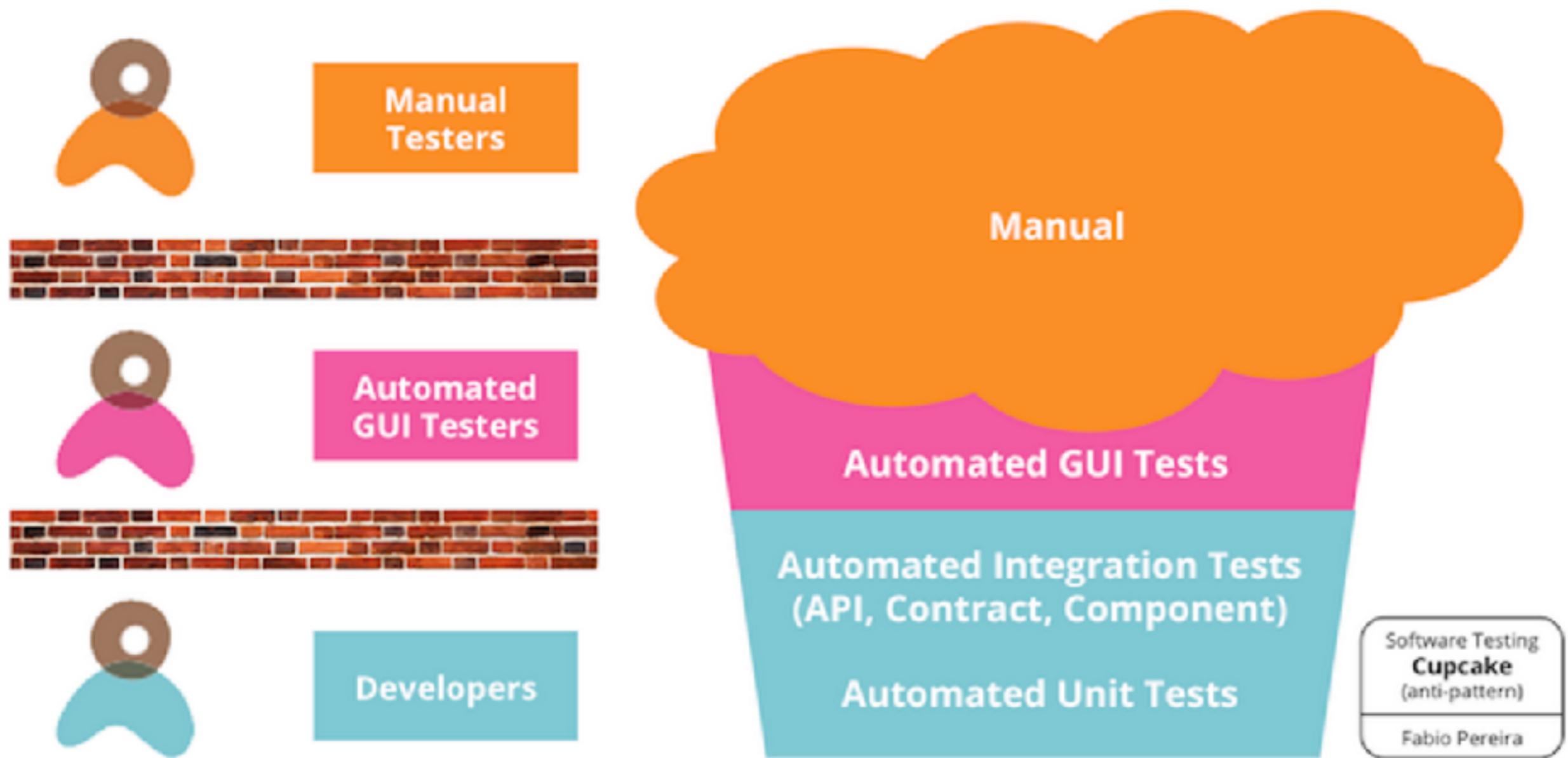






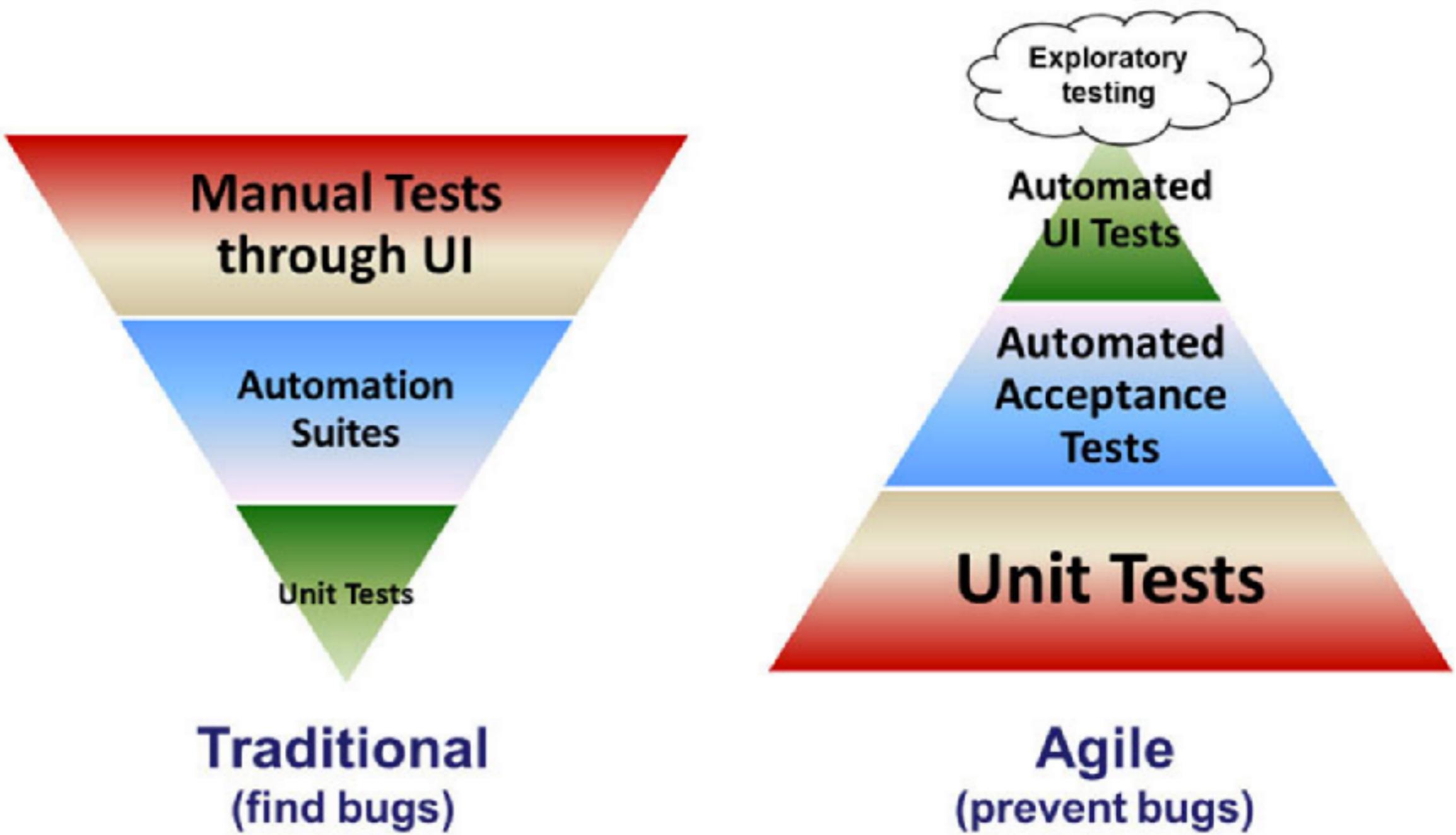
<https://www.thoughtworks.com/insights/blog/introducing-software-testing-cupcake-anti-pattern>





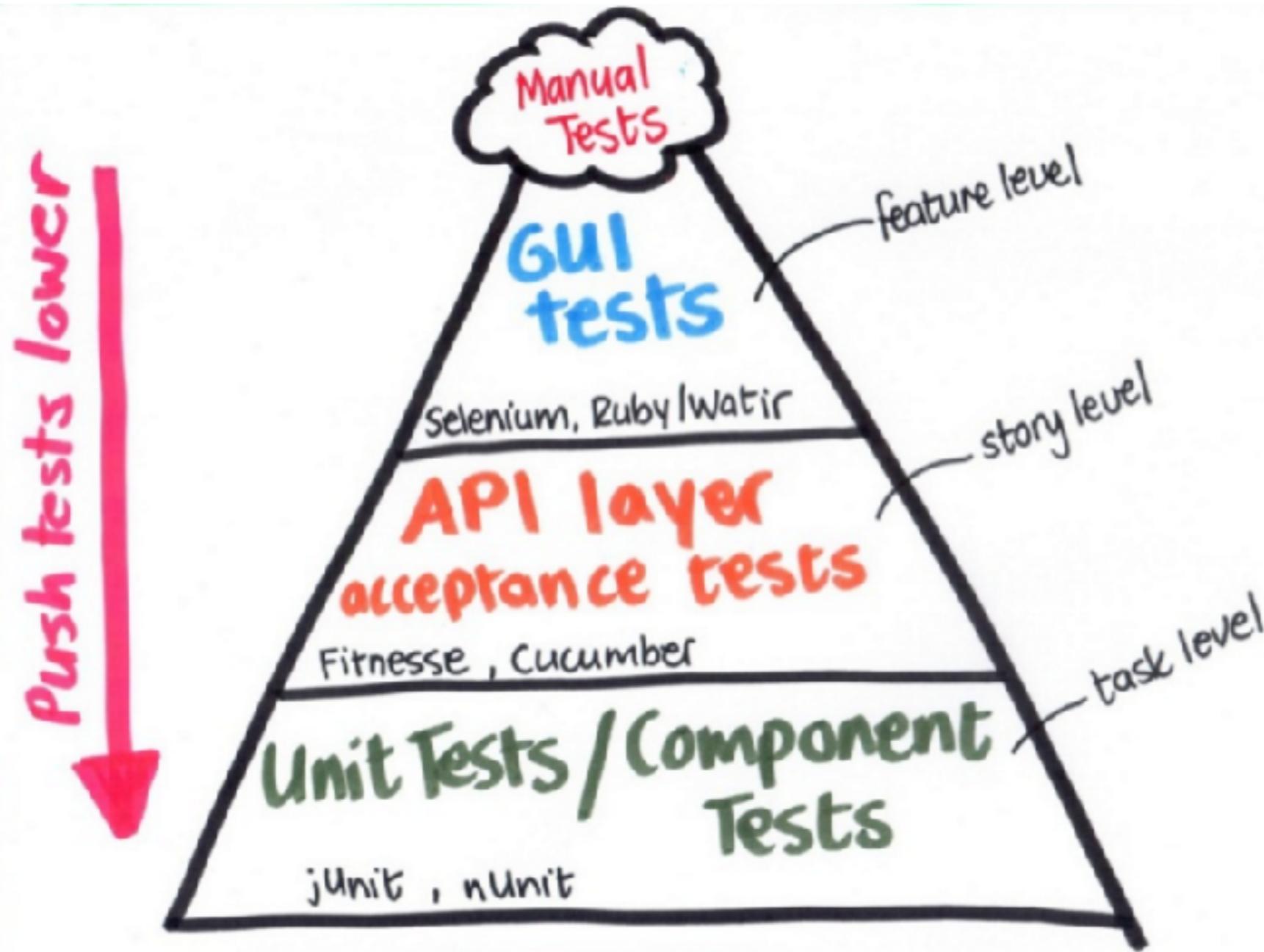
<https://www.thoughtworks.com/insights/blog/introducing-software-testing-cupcake-anti-pattern>





<http://testingtweaks.com/what-is-agile-testing/>





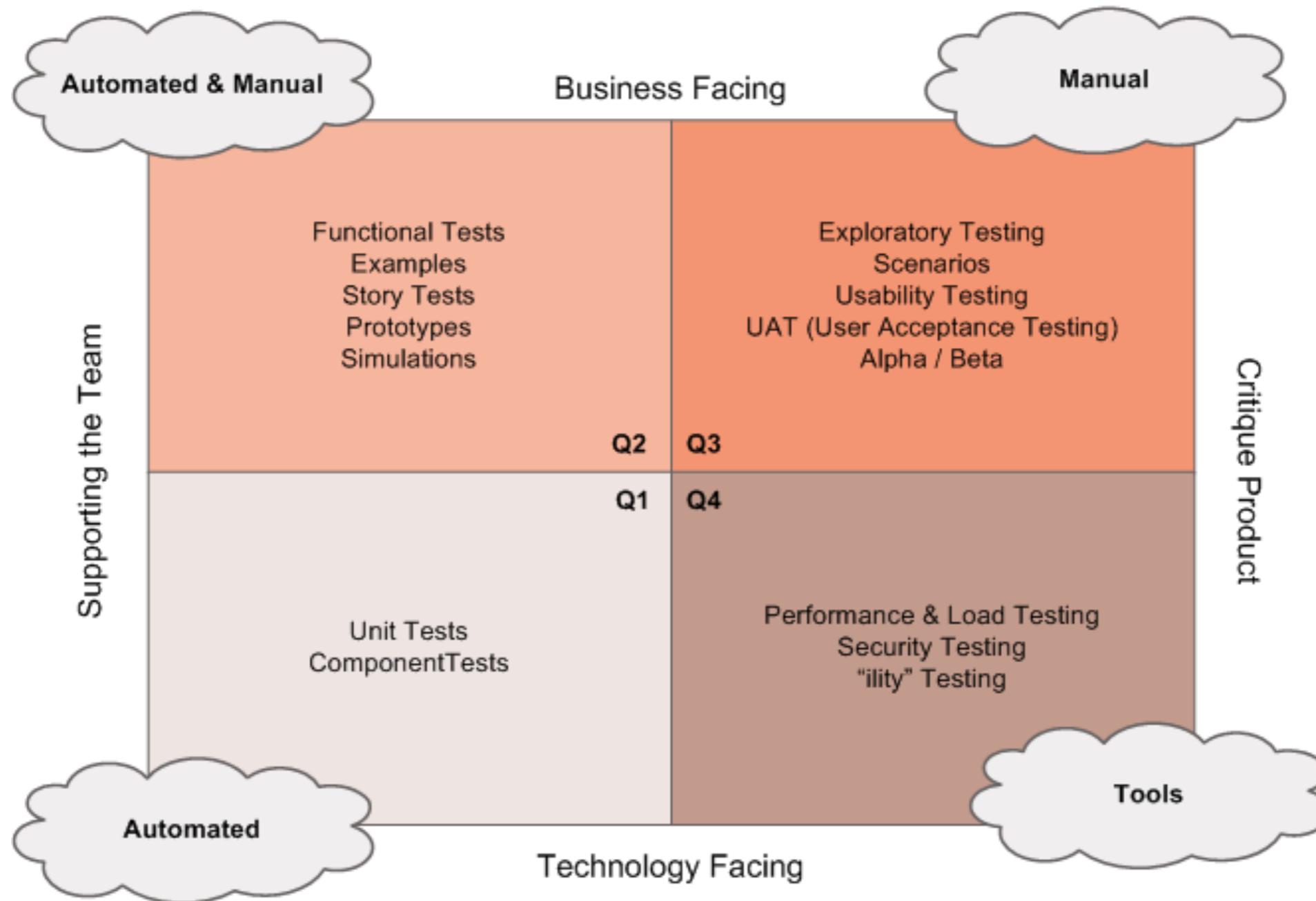
<http://www.slideshare.net/growingagile/expoqa-tutorial-agile-testing-techniques-for-the-whole-team>



Agile Testing Quadrants



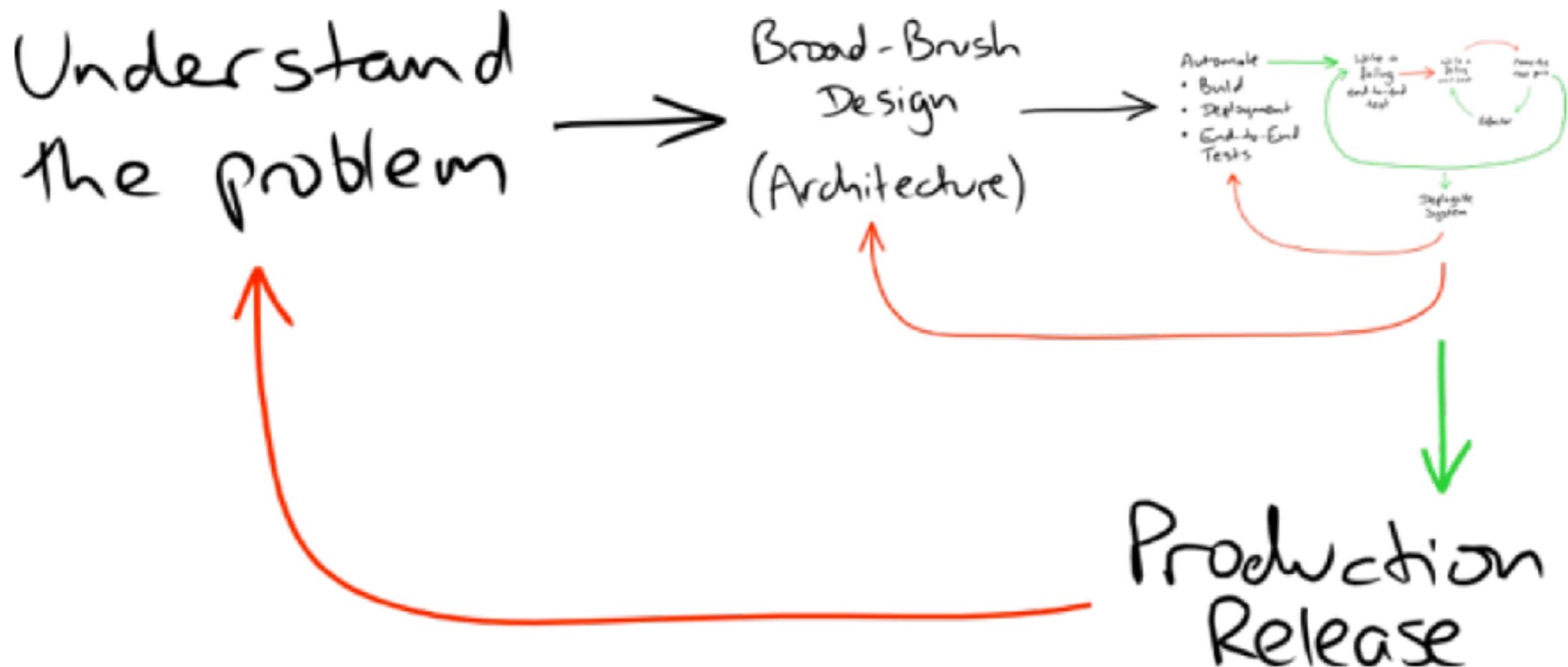
Agile Testing Quadrants



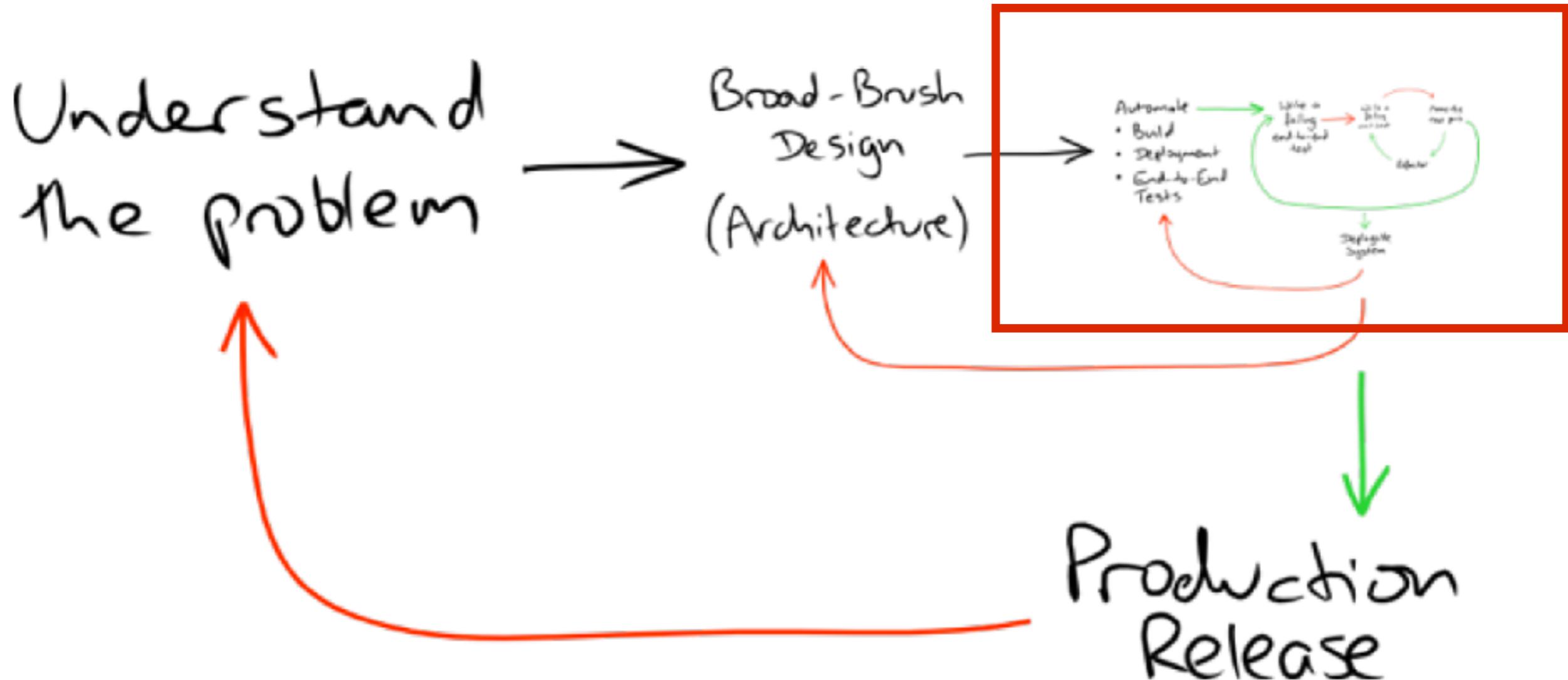
เริ่มอย่างไรดี ?



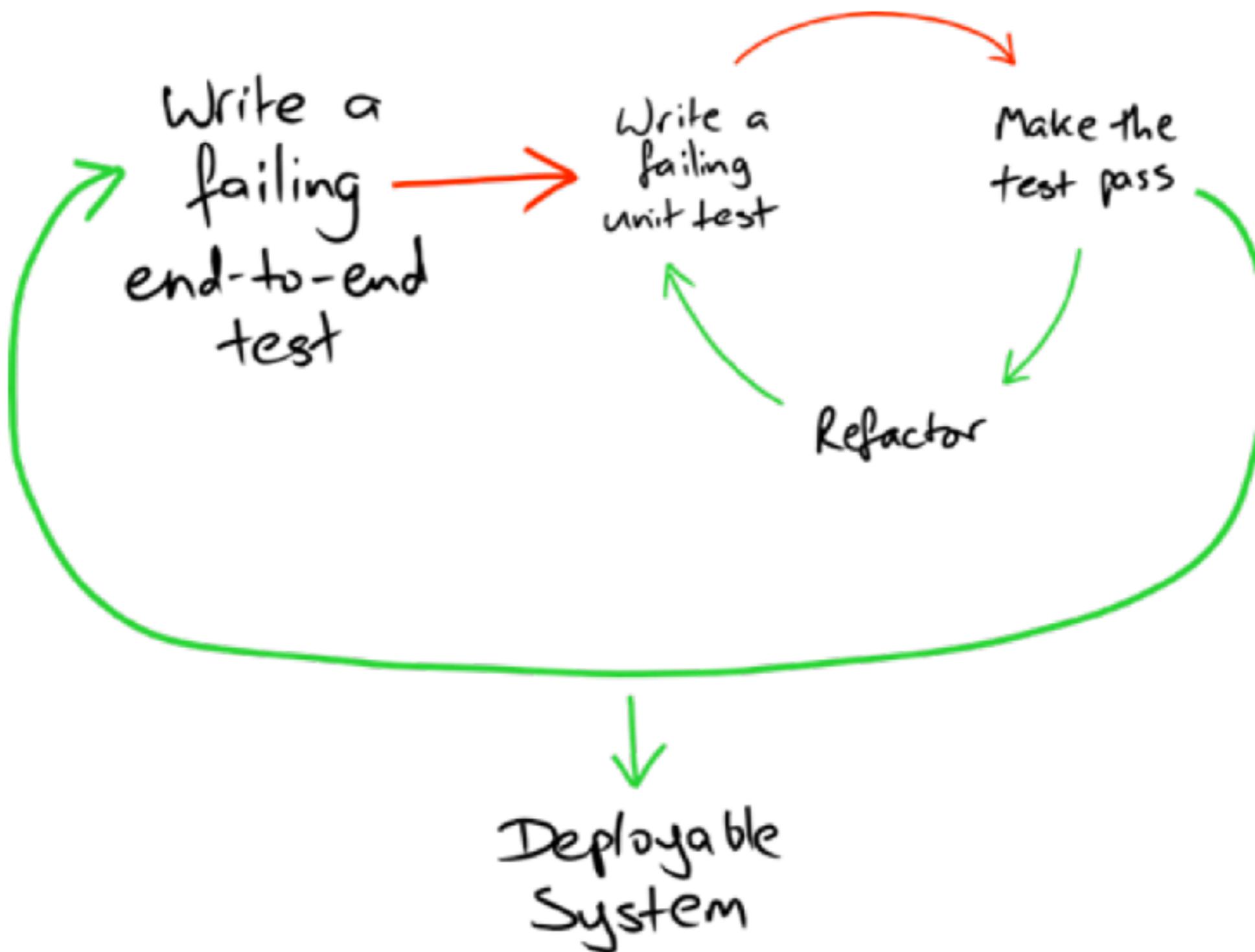
LARGER FEEDBACK LOOP



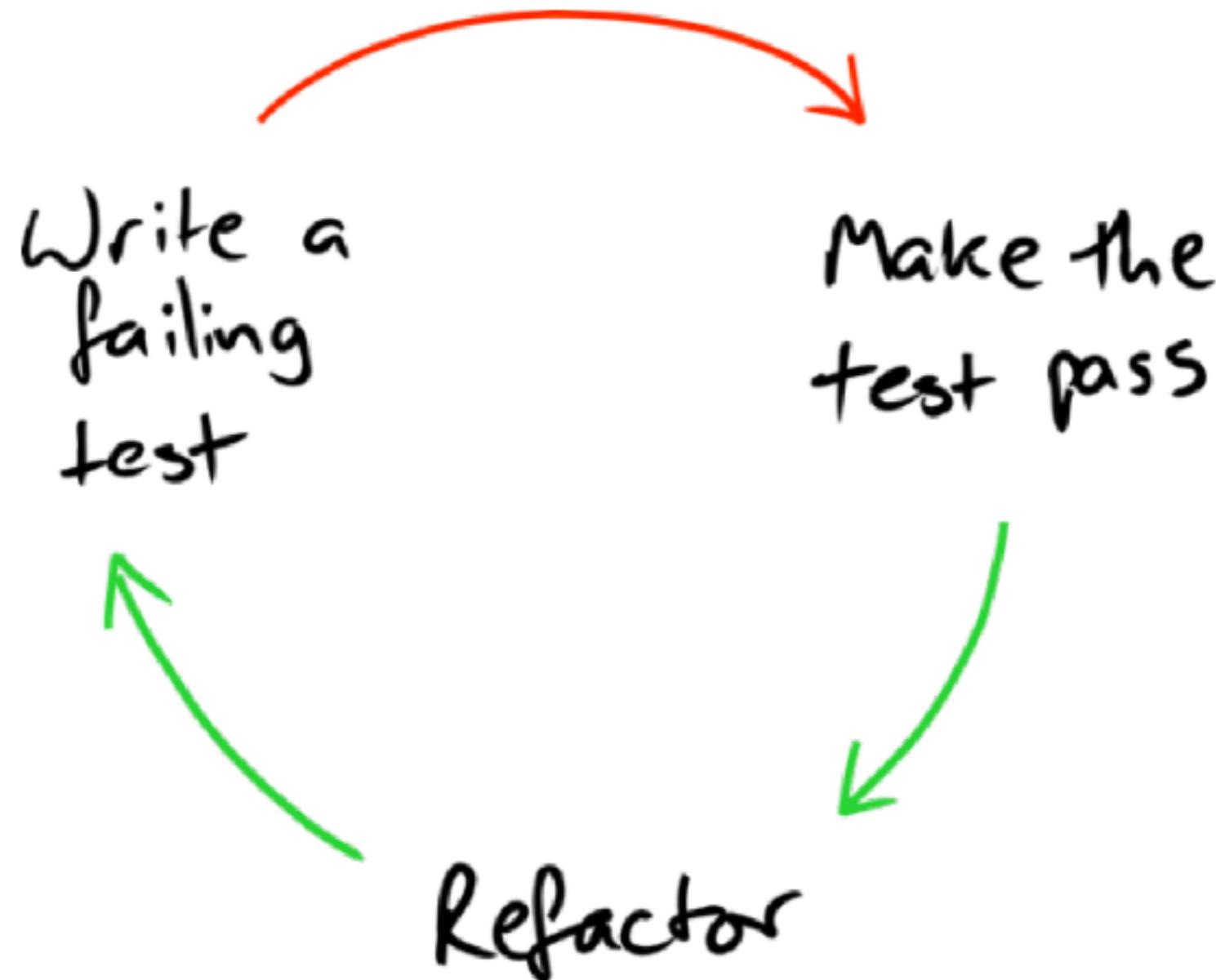
LARGER FEEDBACK LOOP



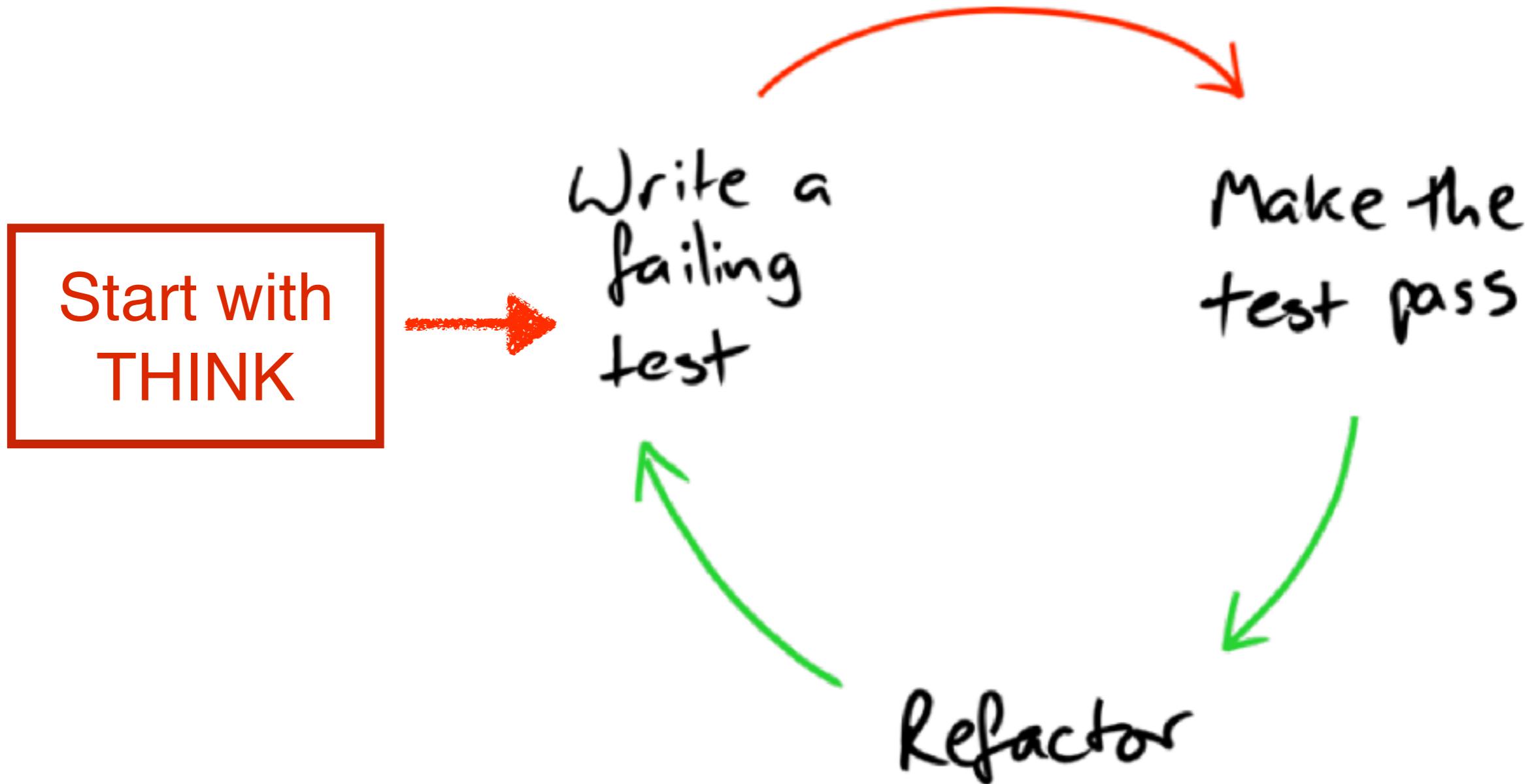
ACCEPTANCE TEST DRIVEN DEVELOPMENT



TEST DRIVEN DEVELOPMENT

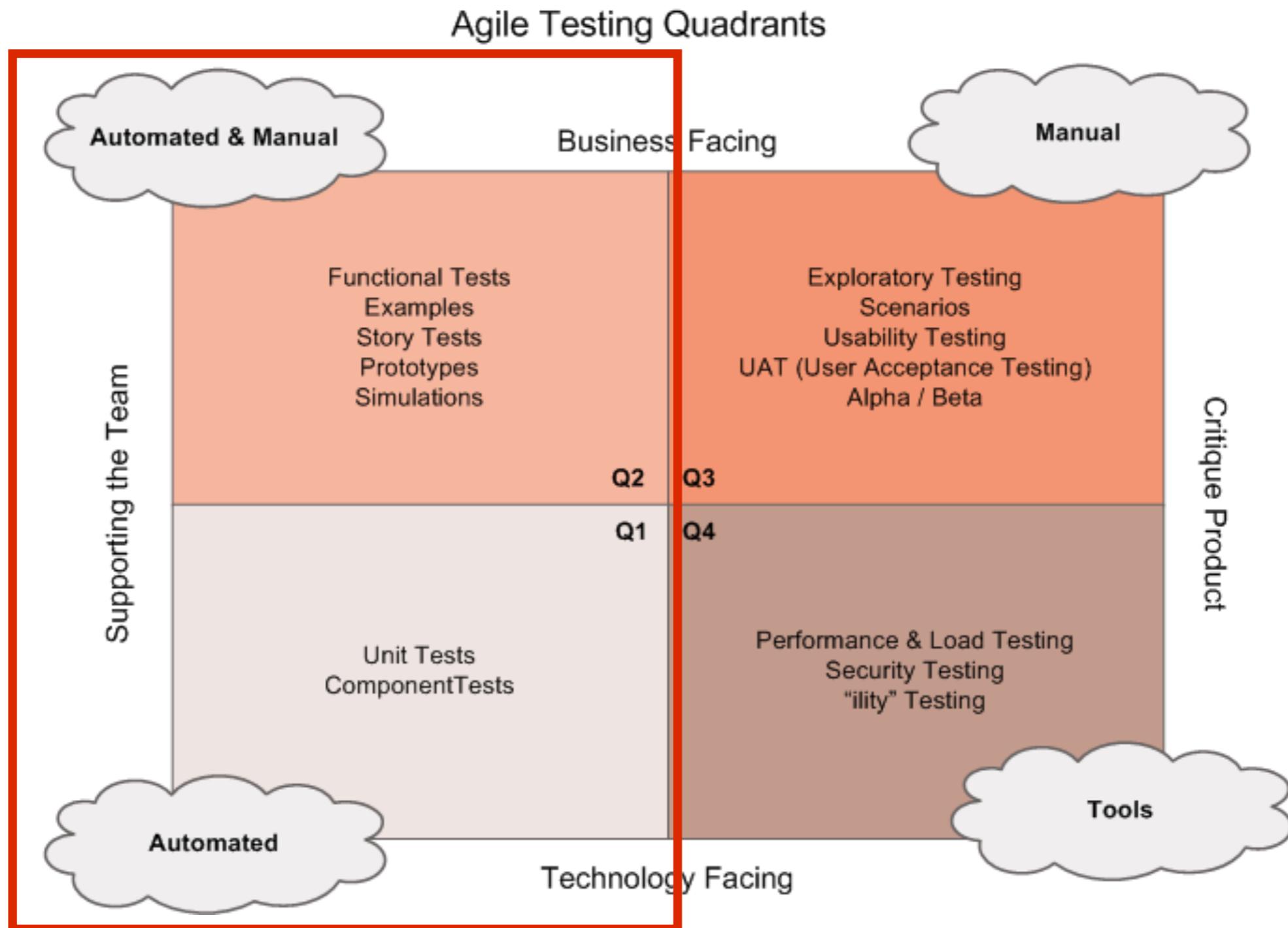


TEST DRIVEN DEVELOPMENT



มาเริ่มกันเถอะ





Unit Test คืออะไร ?

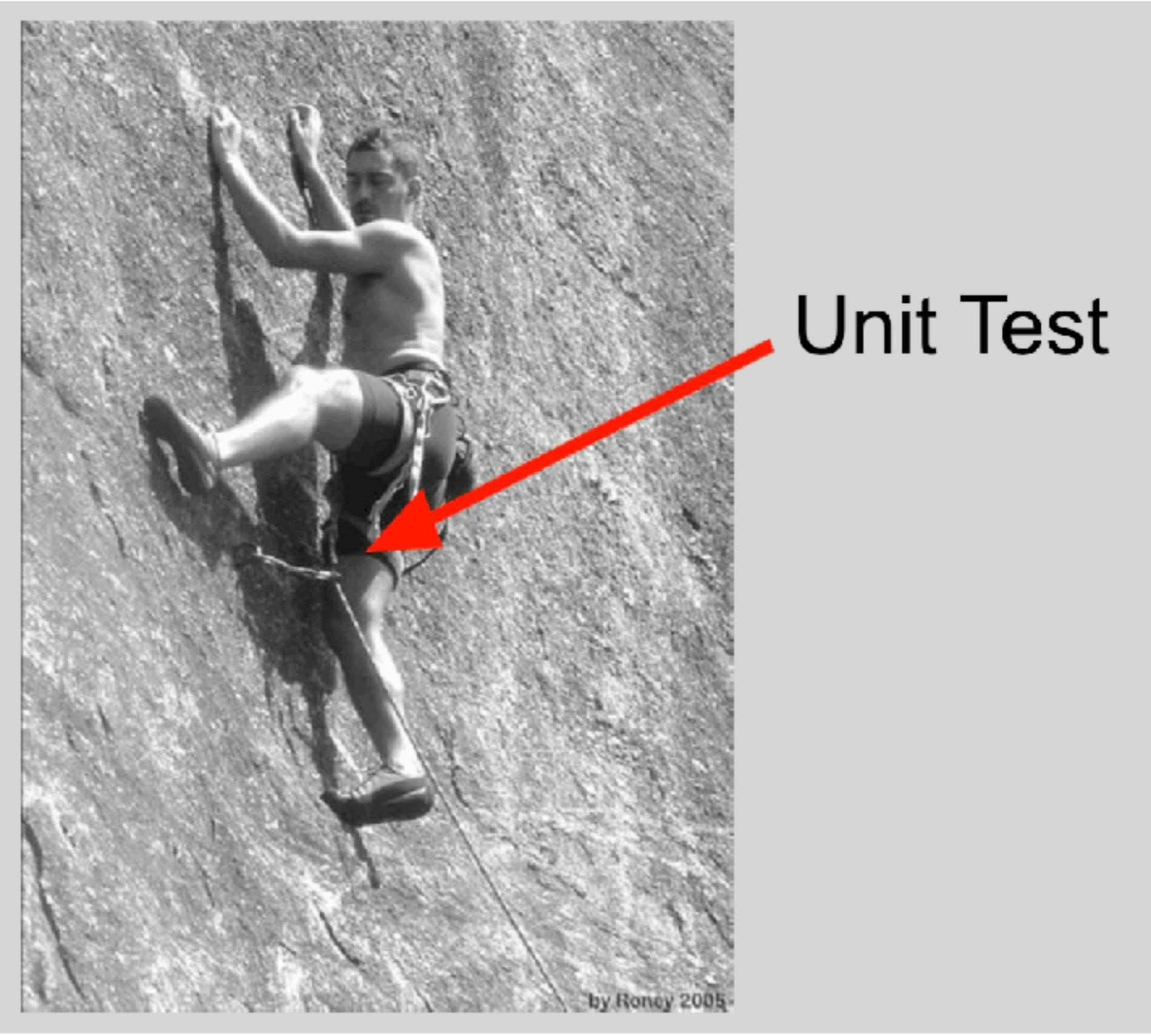


ส่วนหนึ่งของ code
ที่เรียกใช้งานส่วนอื่นๆ ของ code



ใช้ตรวจสอบ สมมุติฐานว่าถูกต้องหรือไม่



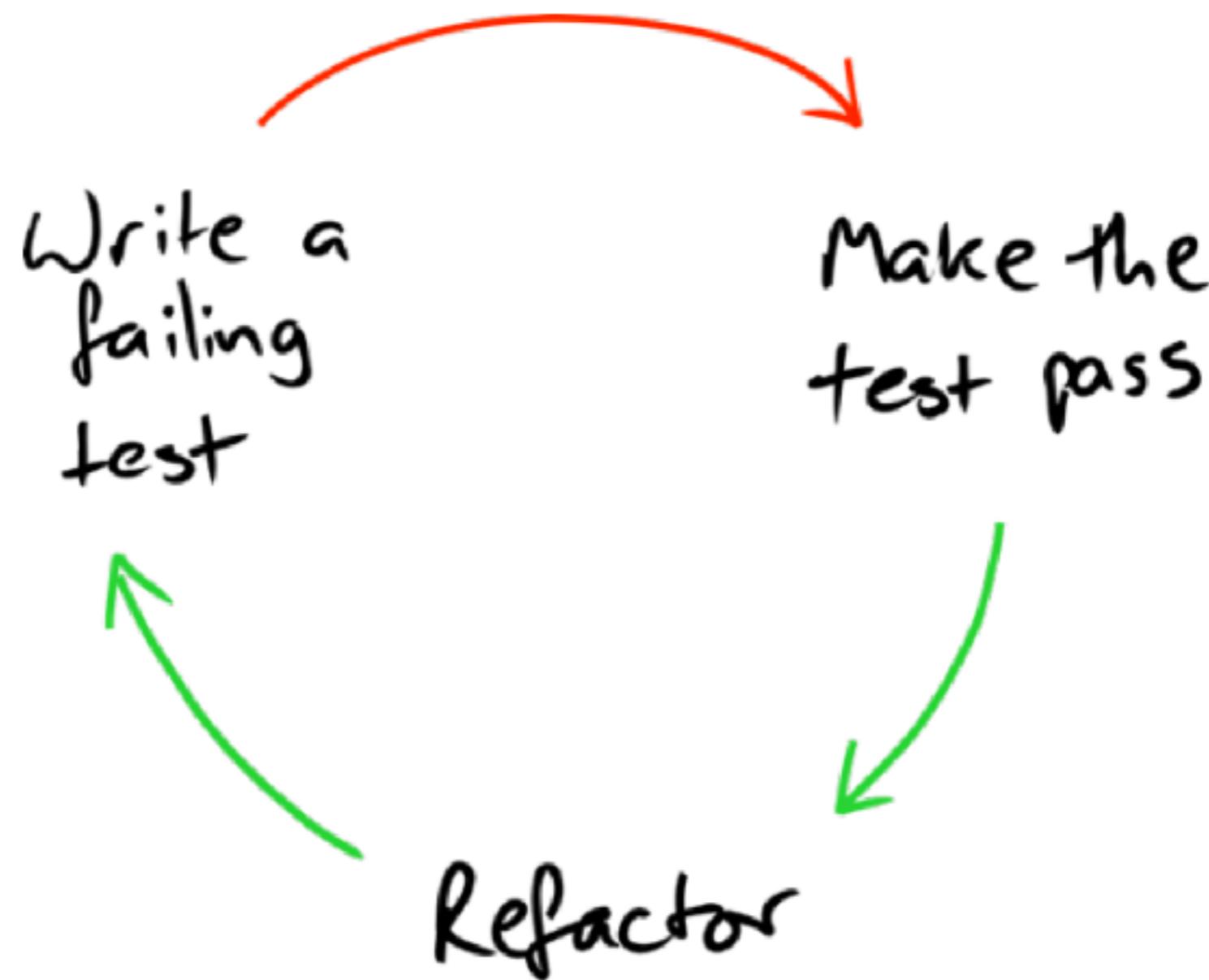


Unit Test

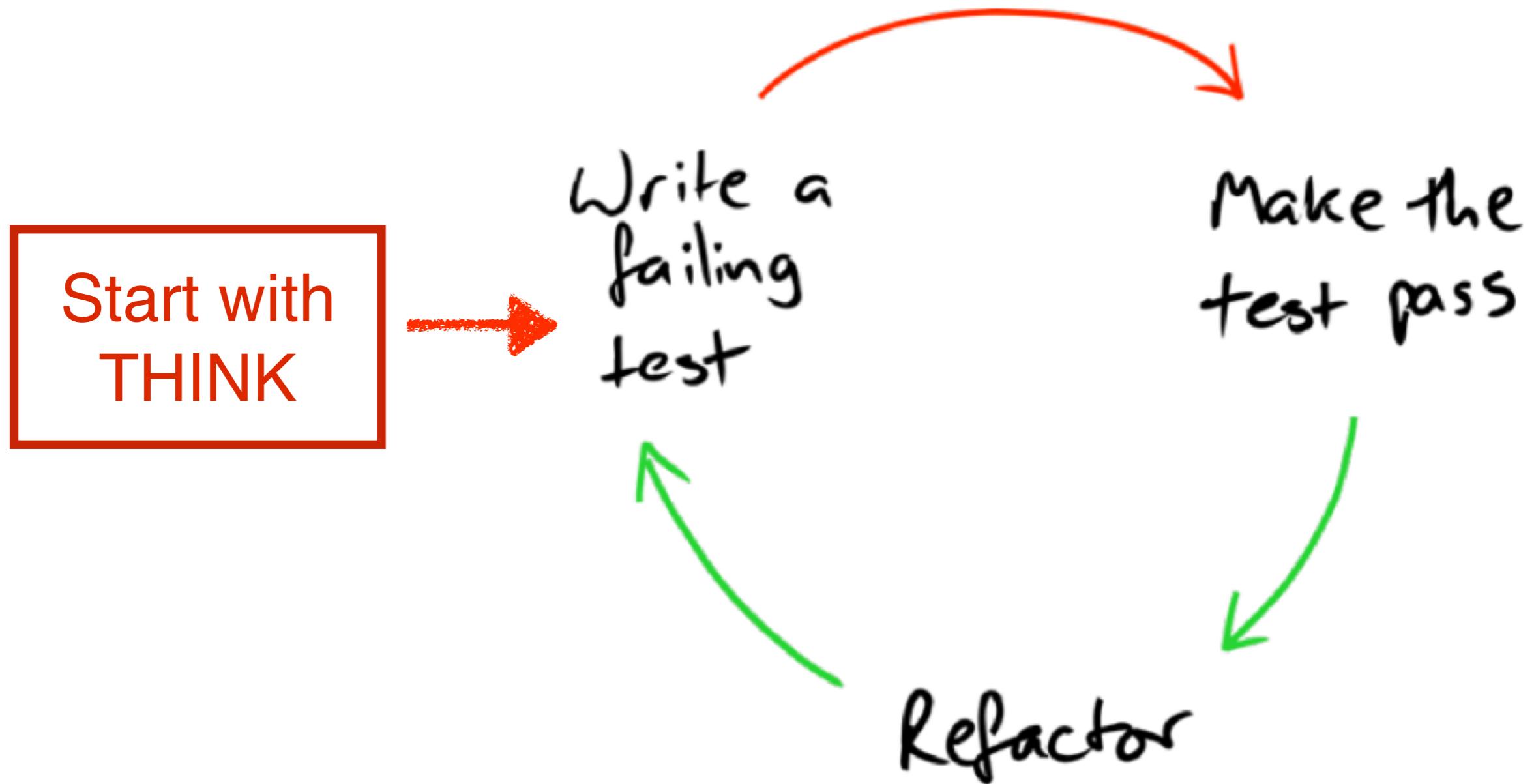
<http://less.works/less/technical-excellence/unit-testing.html>



TEST DRIVEN DEVELOPMENT



TEST DRIVEN DEVELOPMENT



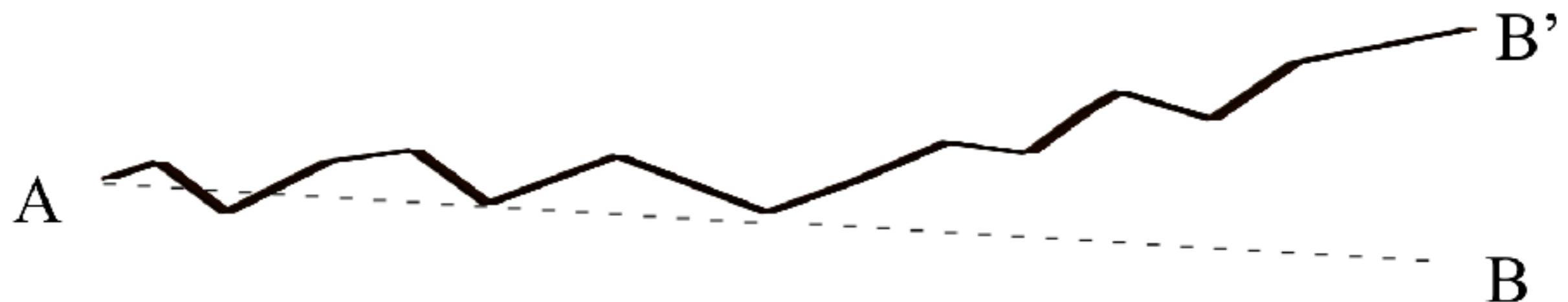
Simple Rules

**Write a failing automated test before
you write any code**

Remove duplication



Remember :: Small step



Test ที่ดีต้อง FIRST

Fast
Independent
Repeatable
Self-validating
Timely

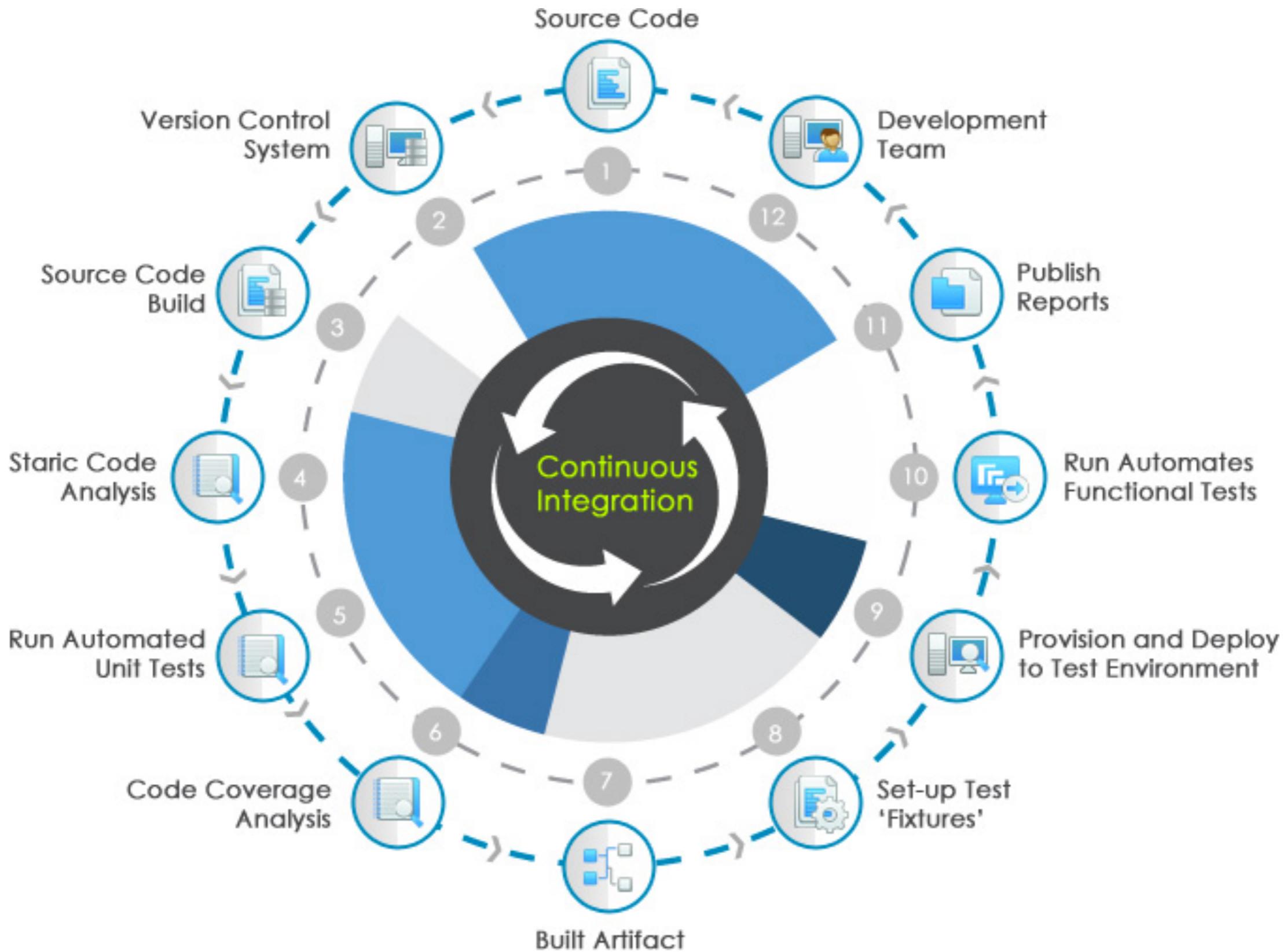


Workshop with TDD



Continuous Integration







Jenkins

Bamboo



TeamCity

> go™



Hudson





Jenkins

Bamboo

CI is about what people do
not about what tools they use



Hudson



CI is a practice

Discipline to integrate frequently



CI is a practice

Strive to make small change

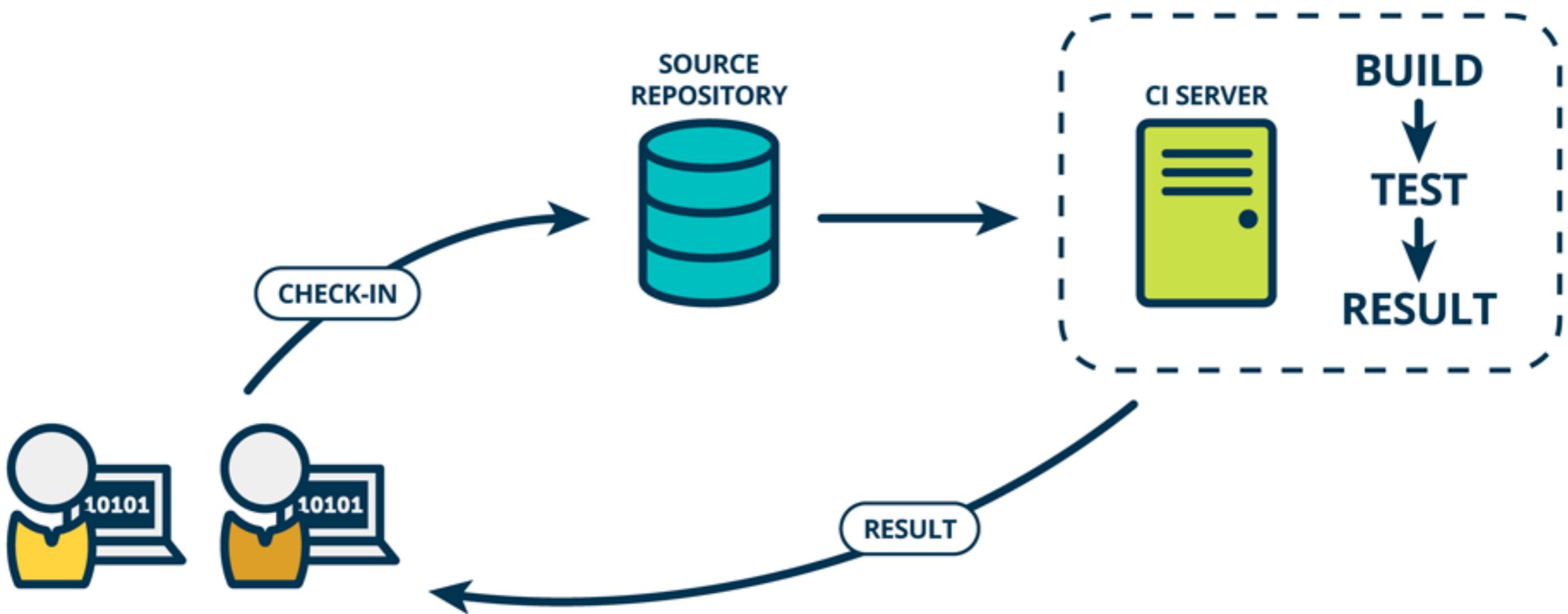


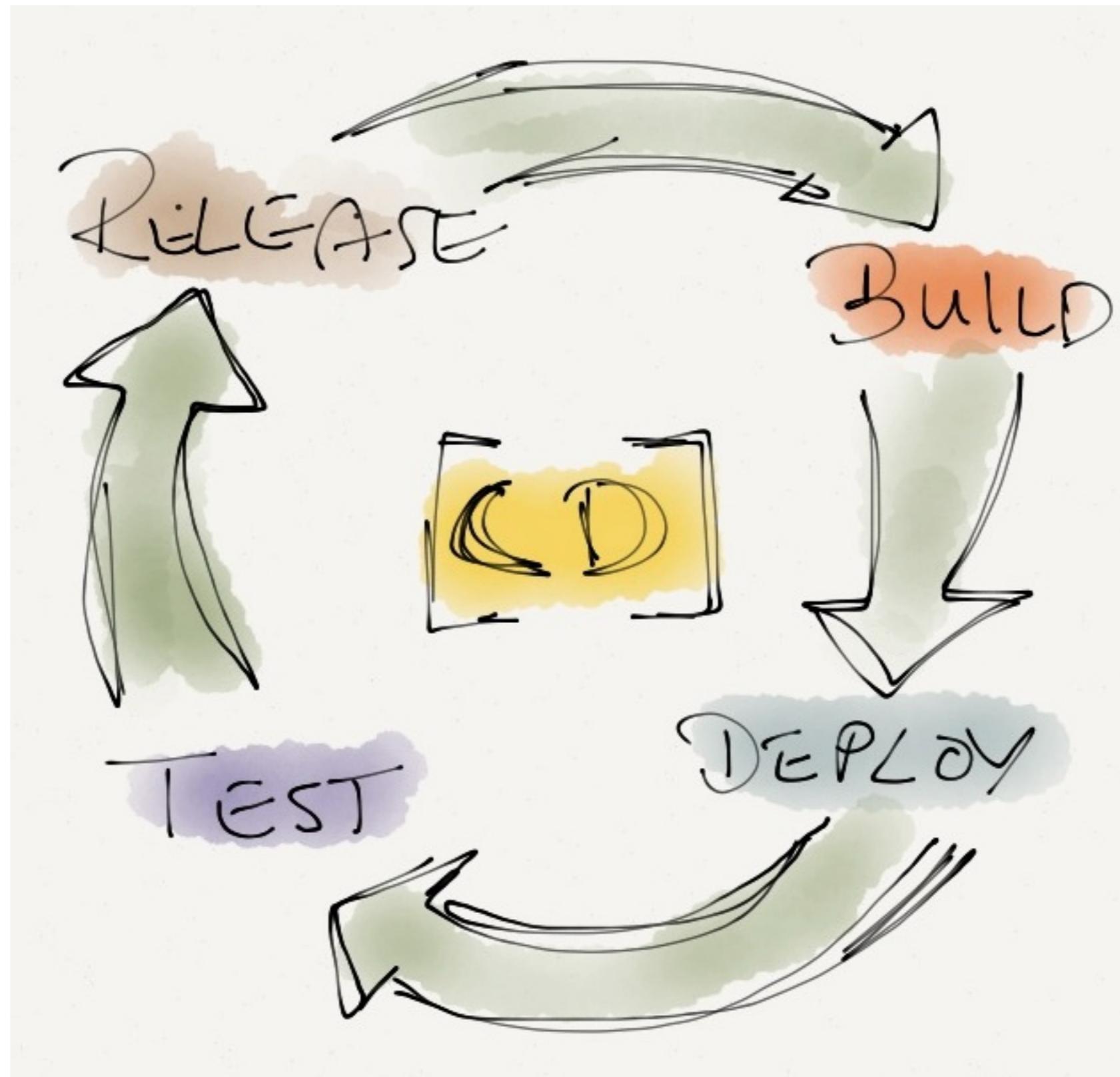
CI is a practice

Strive for **fast feedback**



Continuous Integration





CONTINUOUS DELIVERY



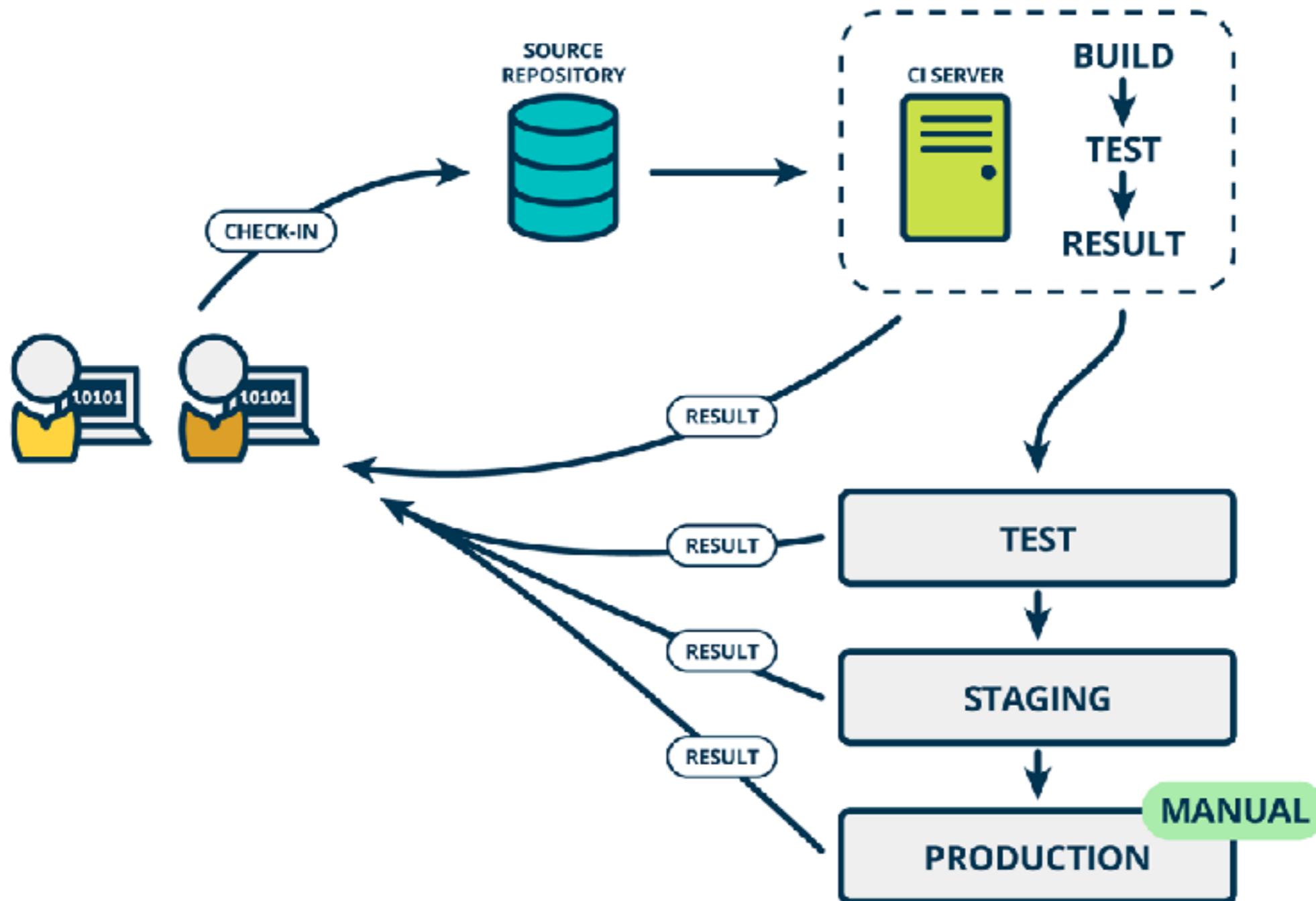
CONTINUOUS DEPLOYMENT



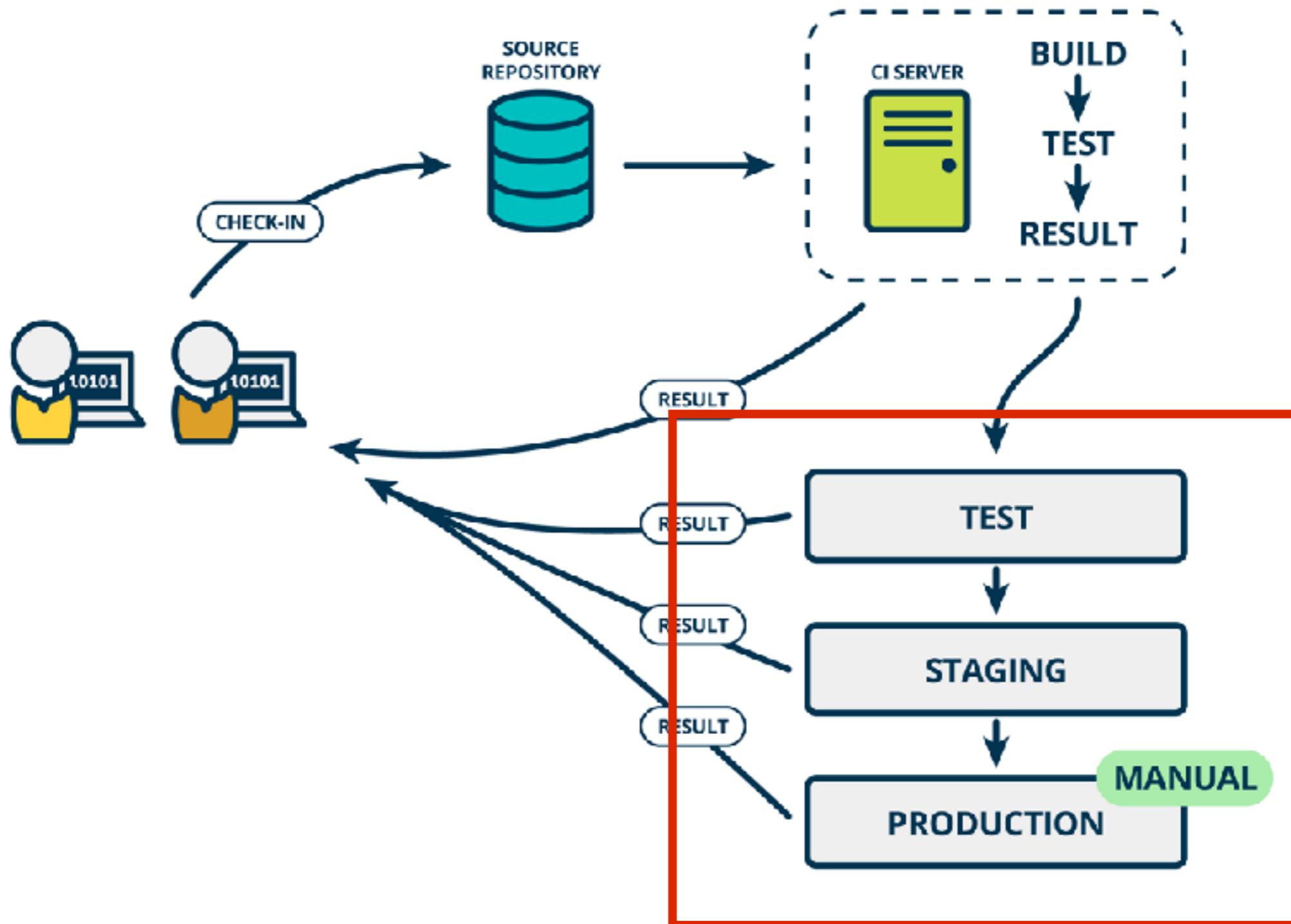
<http://blog.crisp.se/2013/02/05/yassalsundman/continuous-delivery-vs-continuous-deployment>



Continuous Delivery

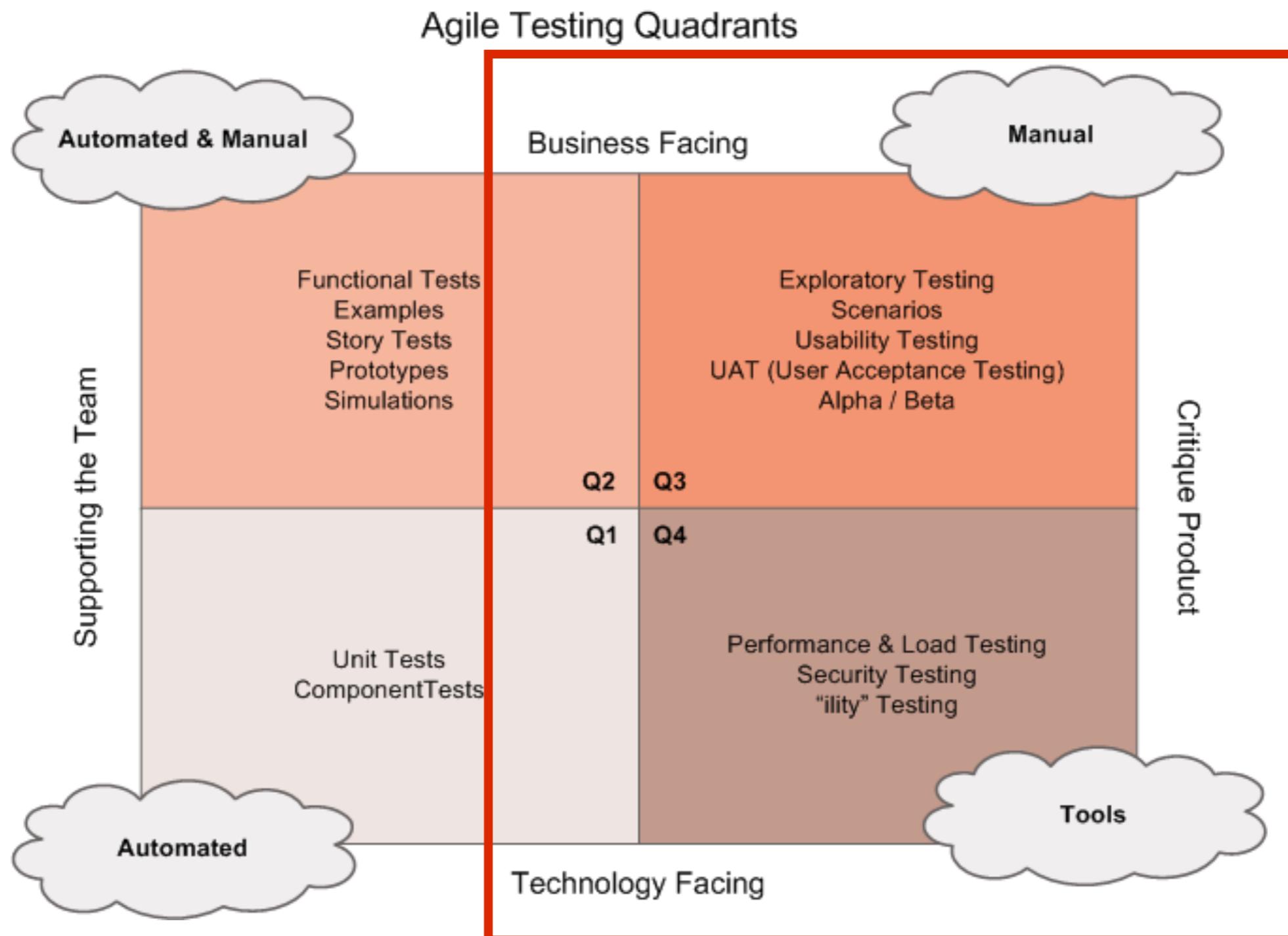


Rising of DevOps



ยิ่งไม่หมด !!





Are you too busy to improve?





LEGACY CODE

บริษัท สยามชำนาญกิจ จำกัด และเพื่อนพ้องน้องพี่

