



AGILE GURGAON 2016



27-28 May 2016

The Leela Ambience Hotel,
Gurgaon

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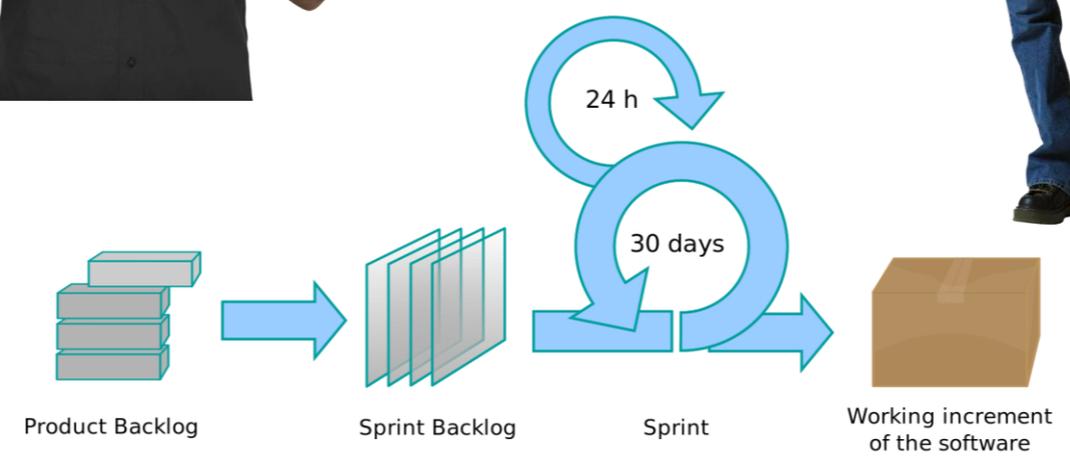
Why your Agile Project will Fail

Software Development Practices to Save it

cc: Viktor Hertz - <https://www.flickr.com/photos/44302262@N08>

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Is your team ready for delivering with Agility?



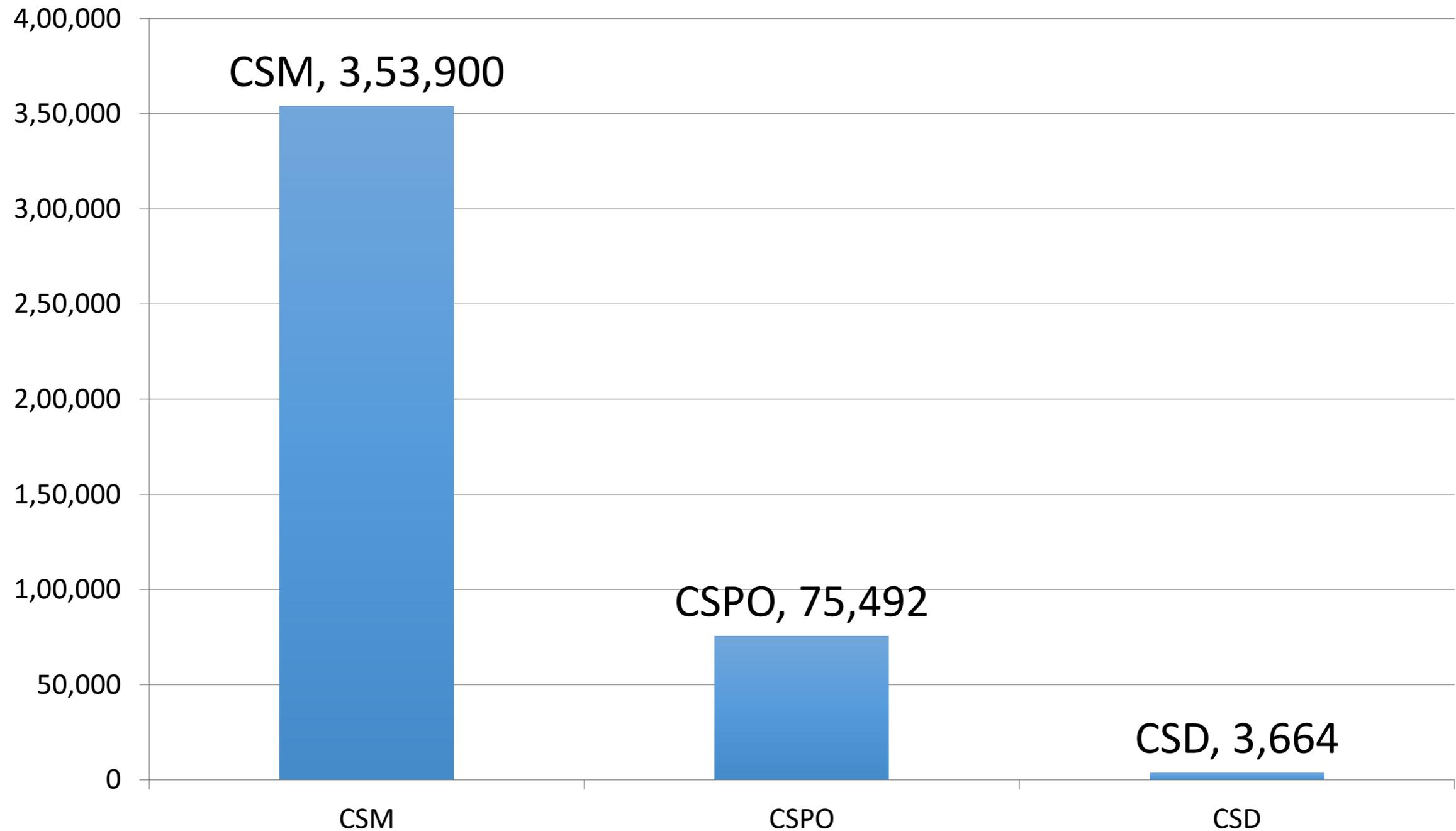
Think Again

cc: Stéfan - <https://www.flickr.com/photos/49462908@N00>

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Scrum Alliance Certifications



Global Scrum Alliance Certification Numbers

Source: <https://www.scrumalliance.org/community/certificant-directory.aspx>

14 years of learning to create software



Lessons Learnt

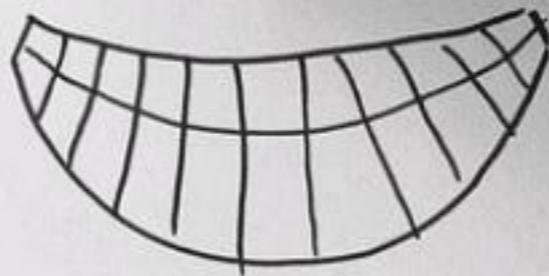
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It is like Teenage Sex

Everyone talks about it, nobody really knows how to do it, everyone thinks everyone else is doing it, so everyone claims they are doing it...



TEST

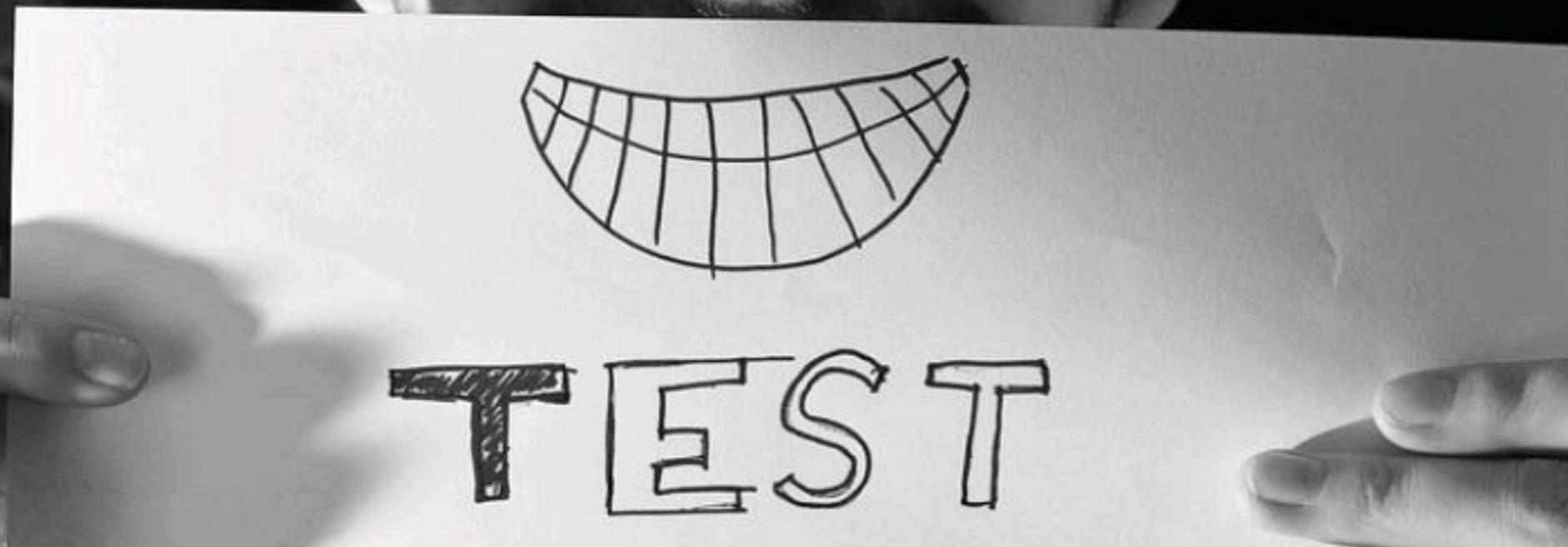
Traditional Manual Unit Testing

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It's probably not what you think it is



Test First Development

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Traditional Regression Testing

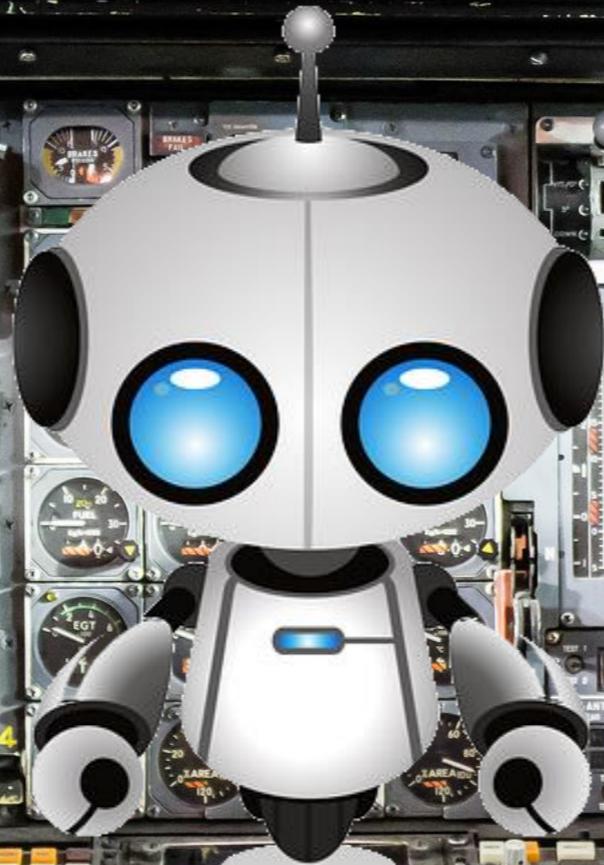
People Pressing all the Buttons

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Modern Regression Testing



Let Computers do the Hard Work

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What would our manual testers do?

Exploratory Testing

cc: Martin LaBar - <https://www.flickr.com/photos/32454422@N00>

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It is a fun tool to enhance productivity
Testers can Pair with a Developer too



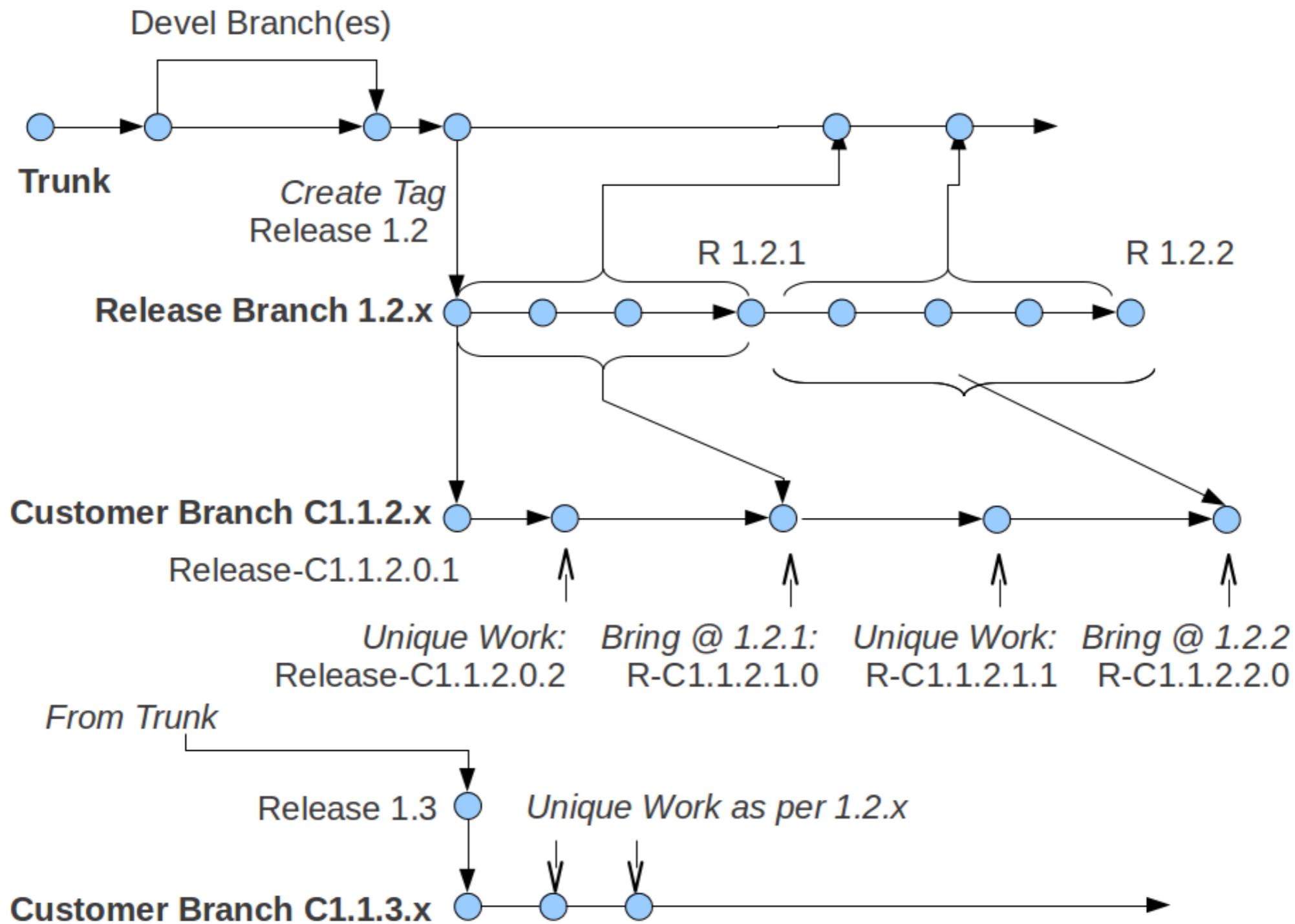
Pair Programming

cc: esti - <https://www.flickr.com/photos/54087404@N00>

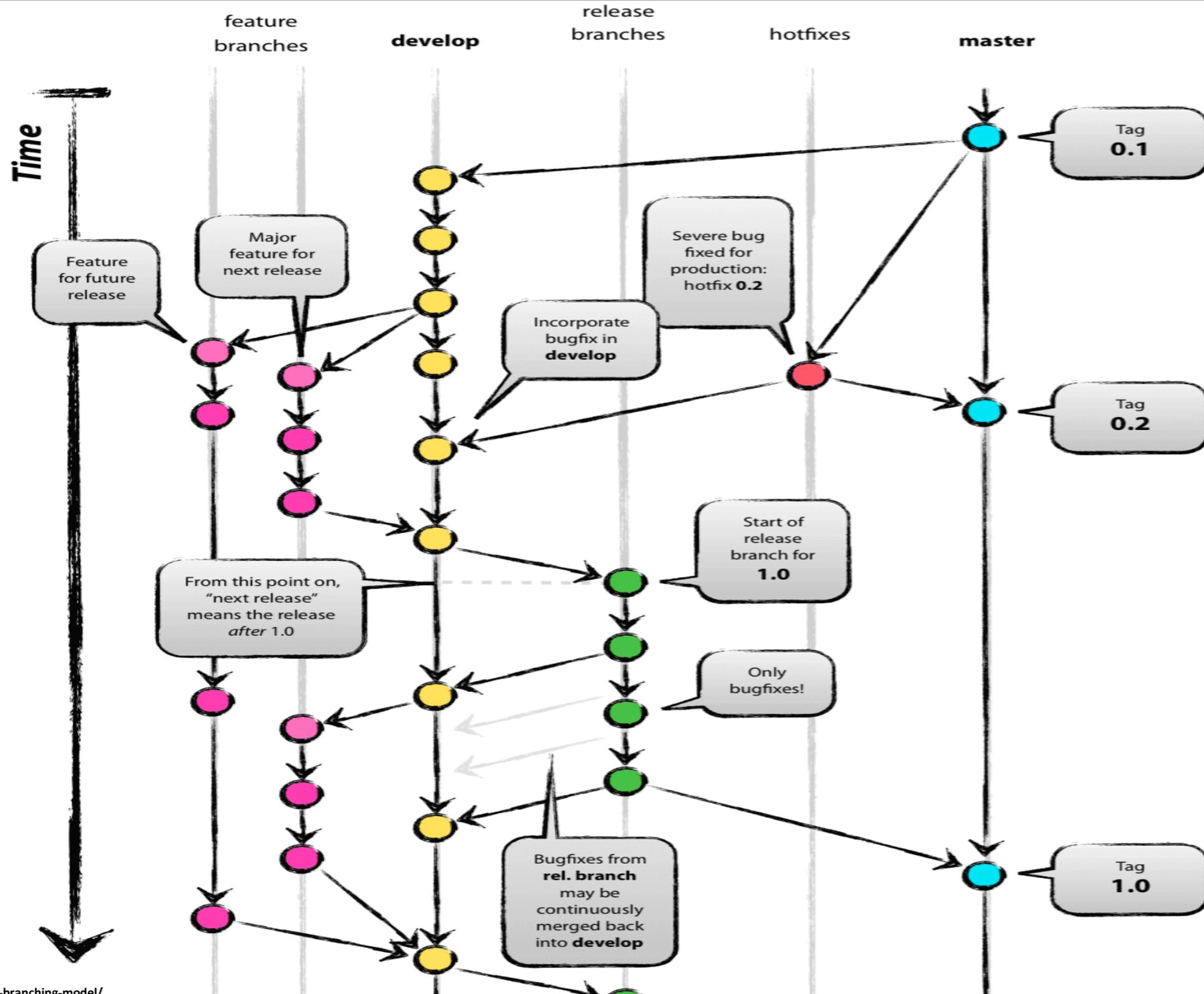
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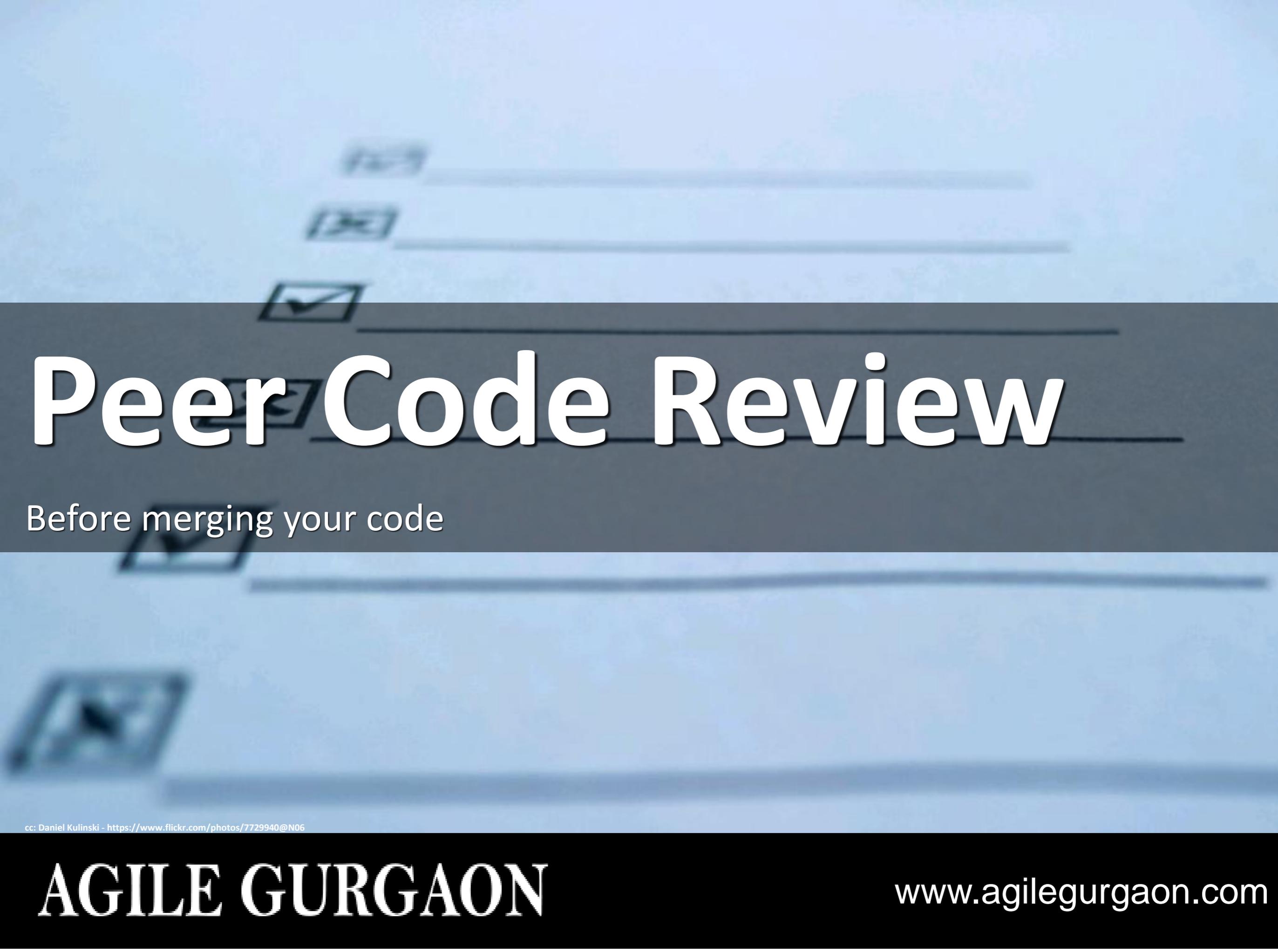
Traditional Branching Model



Allows Agility



<http://nvie.com/posts/a-successful-git-branching-model/>



Peer Code Review

Before merging your code

cc: Daniel Kulinski - <https://www.flickr.com/photos/7729940@N06>

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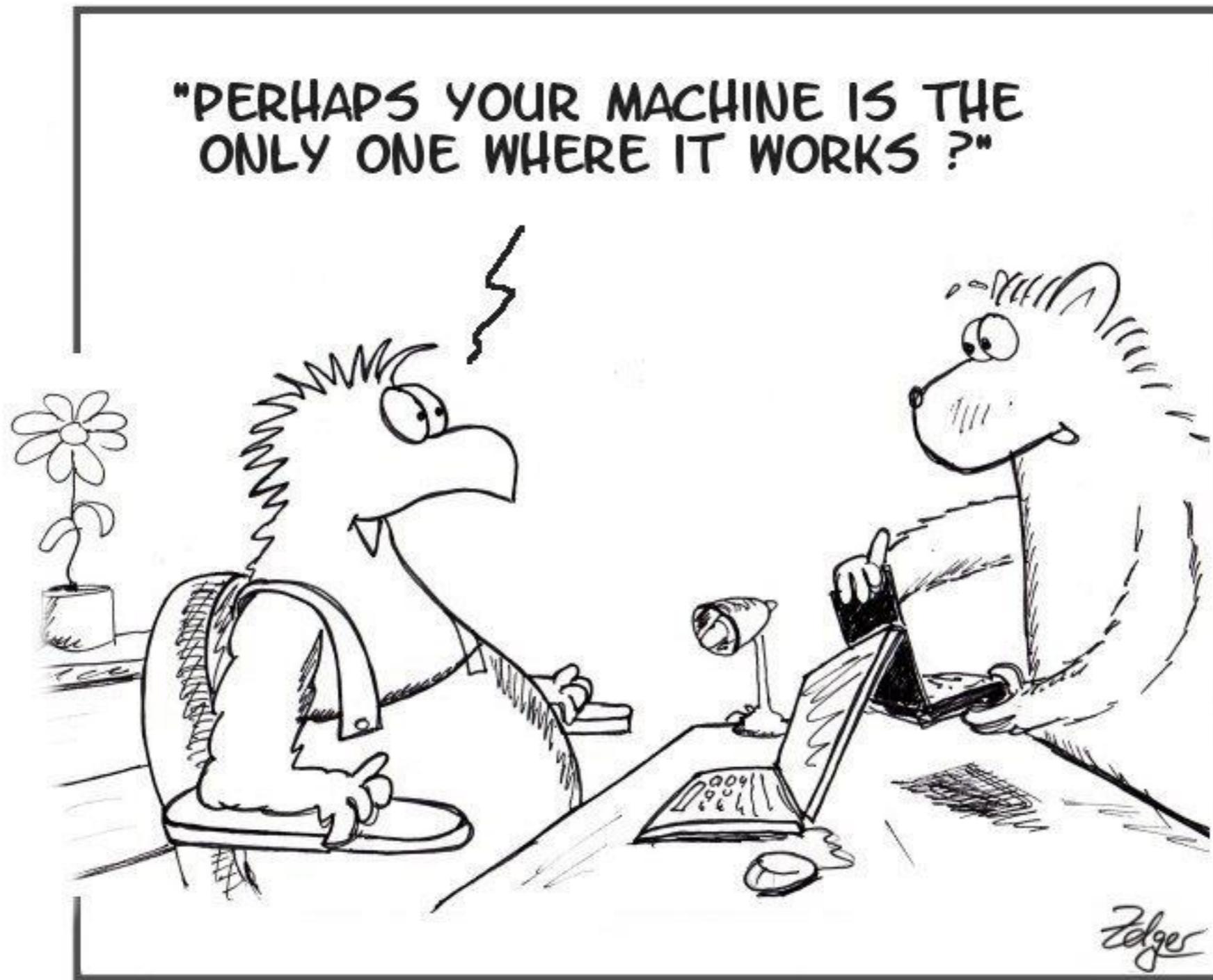
Static Code Analysis Tools

- JSLint
- SonarQube
- Rubocop
- Brakeman
- Many more...



cc: Kaptain Kabold - <https://www.flickr.com/photos/95492938@N00>

Around the time of Release



It works on my machine

<https://blogs.msdn.microsoft.com/africaapps/2013/09/11/taking-unit-testing-to-the-next-level/>

Deploy Early and Often

140
Proof

Deploy

Continuous Integration

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Objectives of CSD by Scrum Alliance®

- Agile Values
- Scrum
- Architecture and Design
- Collaboration
 - Including Pair Programming
- Test-Driven Development
- Refactoring



Source: <https://www.scrumalliance.org/certifications/practitioners/csd-certification>

Take Aways

1. Invest in team members
2. CSD workshops and similar are great investments
3. Automation is the best friend of Agility
4. Unit-Test the core of your application at-least
5. Manual Testers continue to be very valuable
6. Pair programming is fun and rather adds to productivity
7. Peer code review should happen before merging code
8. Employ a source control branching model to assist agility
9. Static code analysis takes small investment with big returns
10. Don't wait till the end of sprint to send out a build

cc: Juliana Coutinho - <https://www.flickr.com/photos/10217810@N05>

You've been generous.

THANK YOU



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