



ALM:
Moving from Triangle to Tetrahedron

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MCW
TECHNOLOGIES





@ElegantCoder Will those be for your next stand up?



@brianrandell might move things along, huh?

@ElegantCoder Indeed. Could also be used with stakeholders. "Look you only get one point on the triangle." Dates? Budget? Features?

@brianrandell developers cut quality to accommodate stakeholder refusal to respect the feature/time/cost triangle.

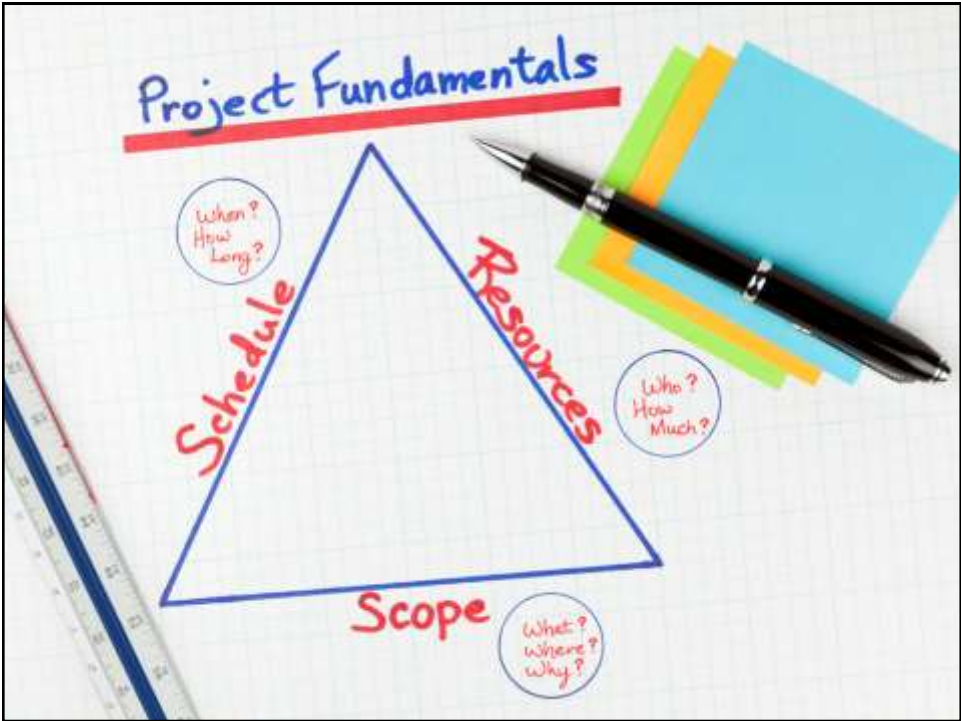
@brianrandell it's our own fault for not fixing quality, which is what the whole software craftsmanship discussion is about, imo.

@ElegantCoder Sadly, you're right. It is a tetrahedron, not a triangle. I want to believe we've come a long way and that quality lives inside.

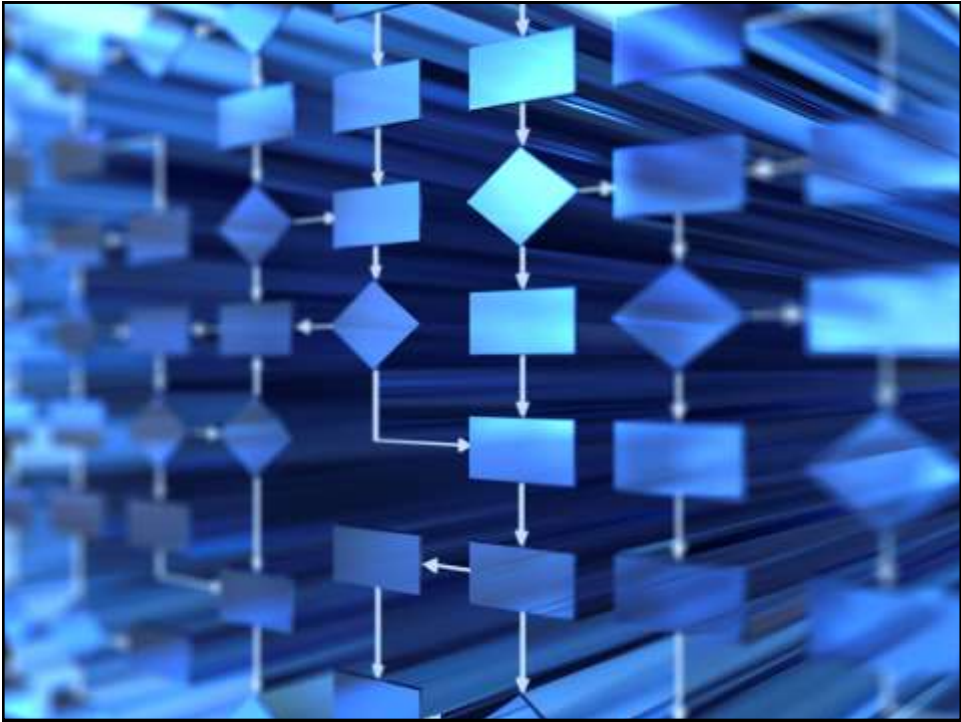




```
WHEN 3 MOVE WIN-DATA (1:5) TO S-ROAD-DESC
        MOVE WIN-DATA (6:) TO S-ROAD-DESC
        MODIFY EF-ROAD-HIERARCHY VALUE S-ROAD-DESC
        MODIFY LB-ROAD-HIERARCHY-DESC
                TITLE S-ROAD-HIERARCHY-DESC
WHEN 4 MOVE WIN-DATA (1:5) TO S-ROAD-DESC
        MOVE WIN-DATA (6:) TO S-ROAD-DESC
        MODIFY EF-ROAD-TYPE VALUE S-ROAD-DESC
        MODIFY LB-ROAD-TYPE-DESC TITLE S-ROAD-DESC
        MOVE WIN-DATA (1:5) TO S-ROAD-DESC
```

















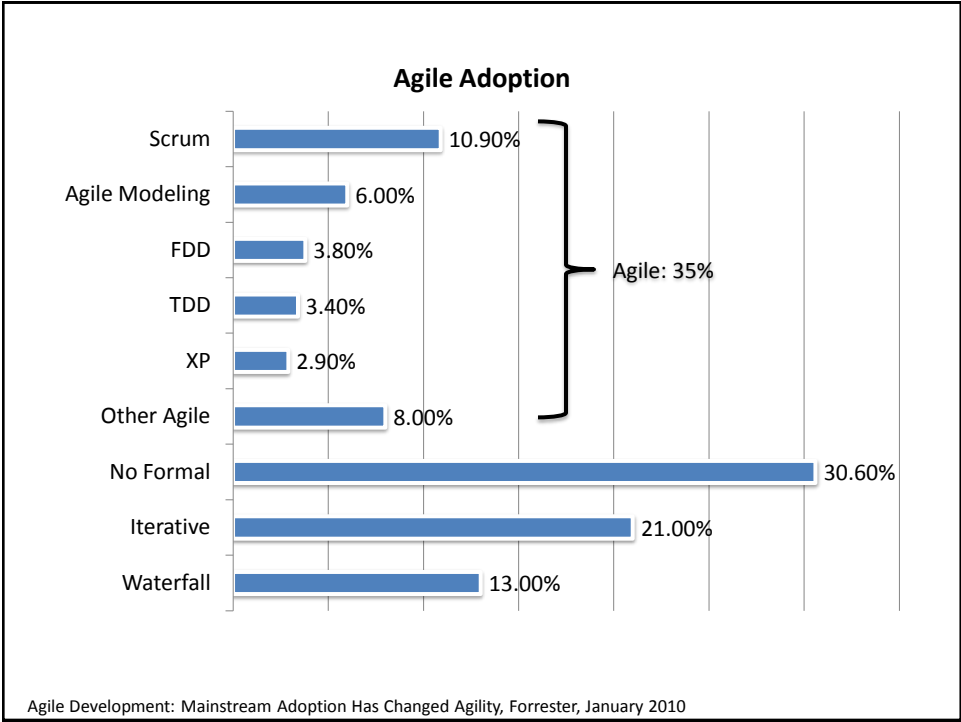






“I often call agile development, ‘cheating legally to win.’” —
Alistair Cockburn





Bugs are expensive

- Finding and fixing a software problem after delivery is often 100 times more expensive than finding and fixing it during the requirements and design phase¹

Defect detection rates rarely rise above 75% when using a single technique

- The techniques average about 40%²

For the Visual Studio .NET product cycle

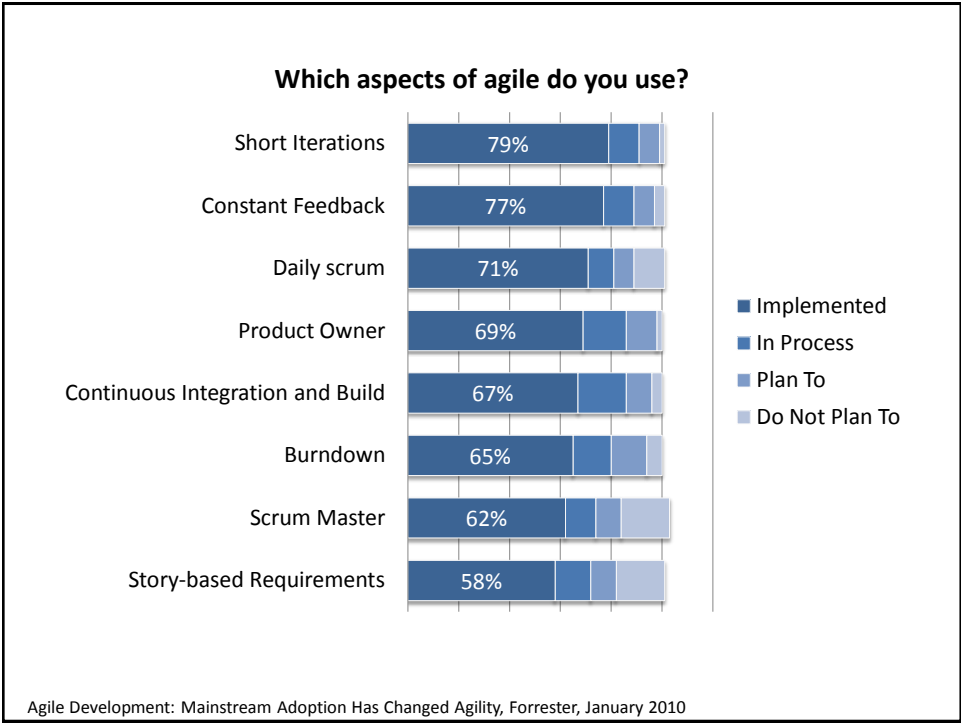
- 86% of bugs occurred in reviewed code
- 60% of all bugs were coding errors

Bottom line

- If you're trying to achieve high defect-rate detection, you need to use a combination of techniques

Handwritten notes on a grid background:
First actual case of bug being found:
... Panel F (motion relay)

1. Software Defect Reduction Top 10 List—Boehm and Basili
2. Code Complete 2nd Ed—Steve McConnell



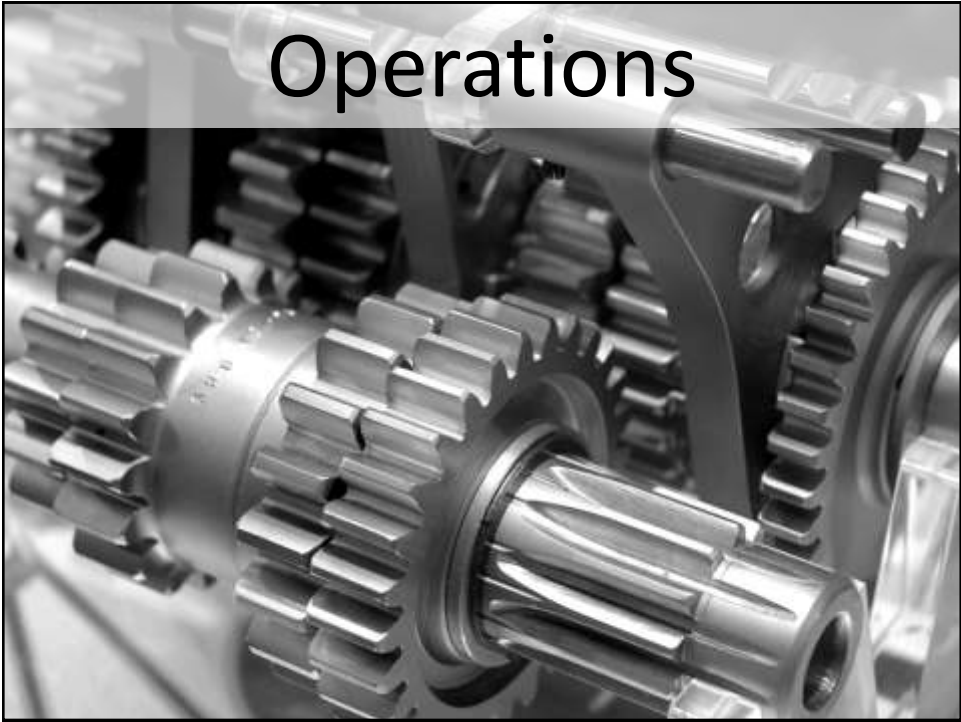


A digital-themed background image featuring a server room with blue lighting and vertical columns of binary code (0s and 1s) overlaid on the scene. The overall aesthetic is futuristic and technological.

ALM

Is a continuous process of managing the life of an application through three things ...







Thank you!

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