Agile Culture Transformations from the Trenches

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V0.1

Practice trumps theory.

- Ash Maurya

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Coffee Fan

Manager of Software Engineering

Kids 3

Agile Teams 4

Program size 30

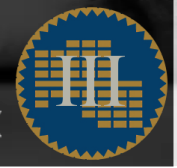
Years experience 15

Randomly published

Mentored colleges/startups

Usually does not mention certifications

ryanlockard.com



What is agility?

Principles behind the Agile Manifesto

- Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.
- Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage.
- Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.
- Business people and developers **must work together daily** throughout the project.
- Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done.
- The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.
- Working software is the primary measure of progress.
- Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.
- Continuous attention to technical excellence and good design enhances agility.
- Simplicity--the art of maximizing the amount of work not done--is essential.
- The best architectures, requirements, and designs emerge from self-organizing teams.
- At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.

http://agilemanifesto.org/principles.html

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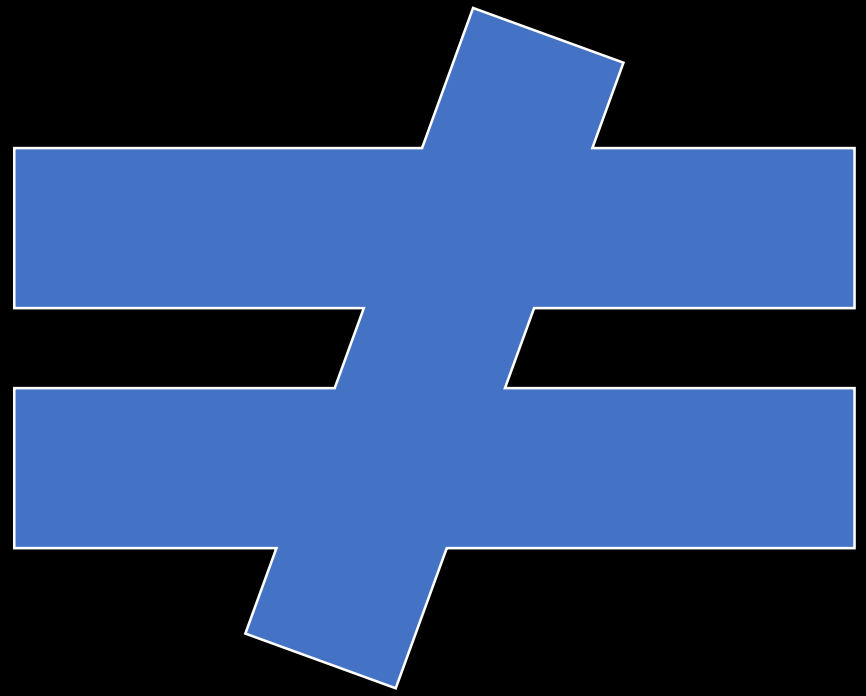
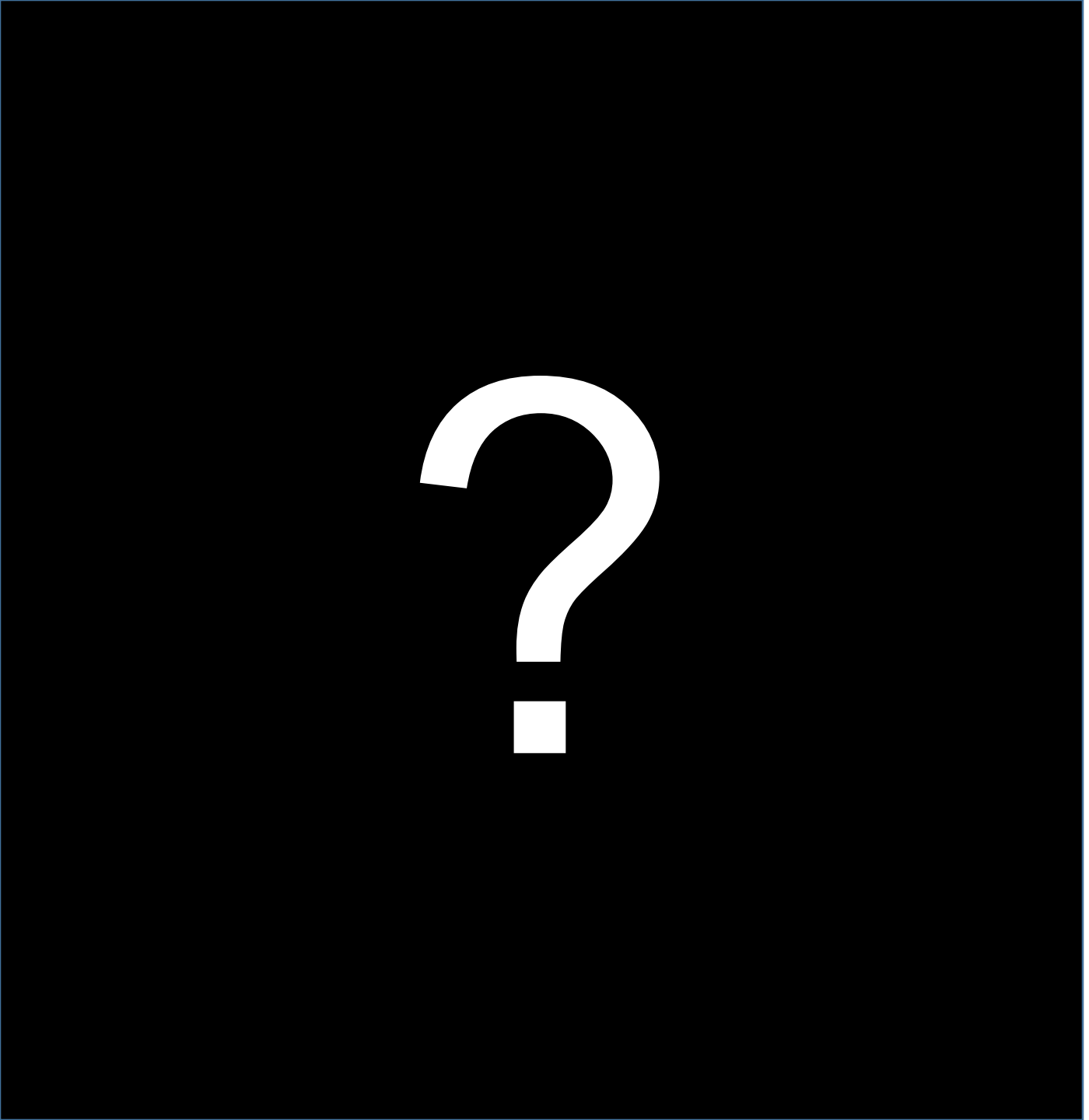
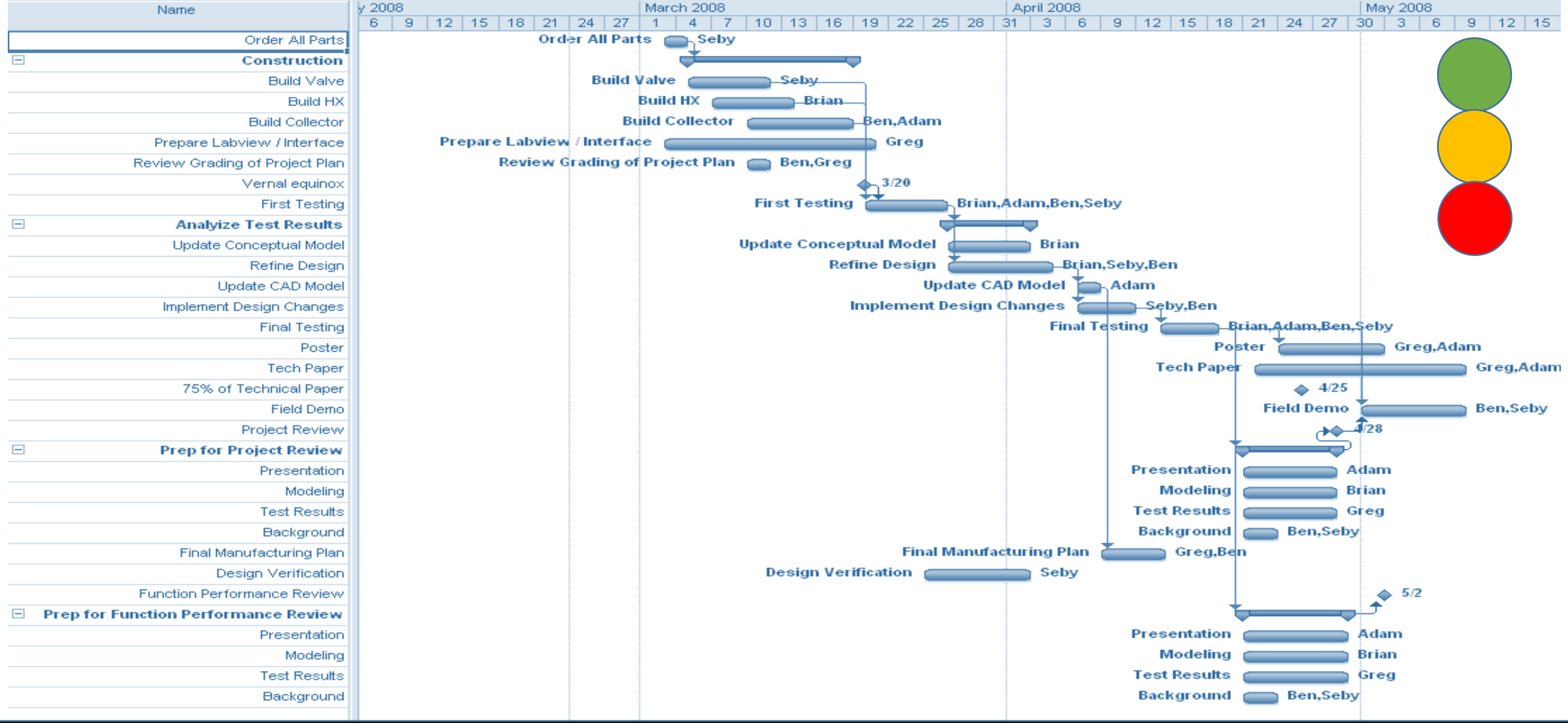
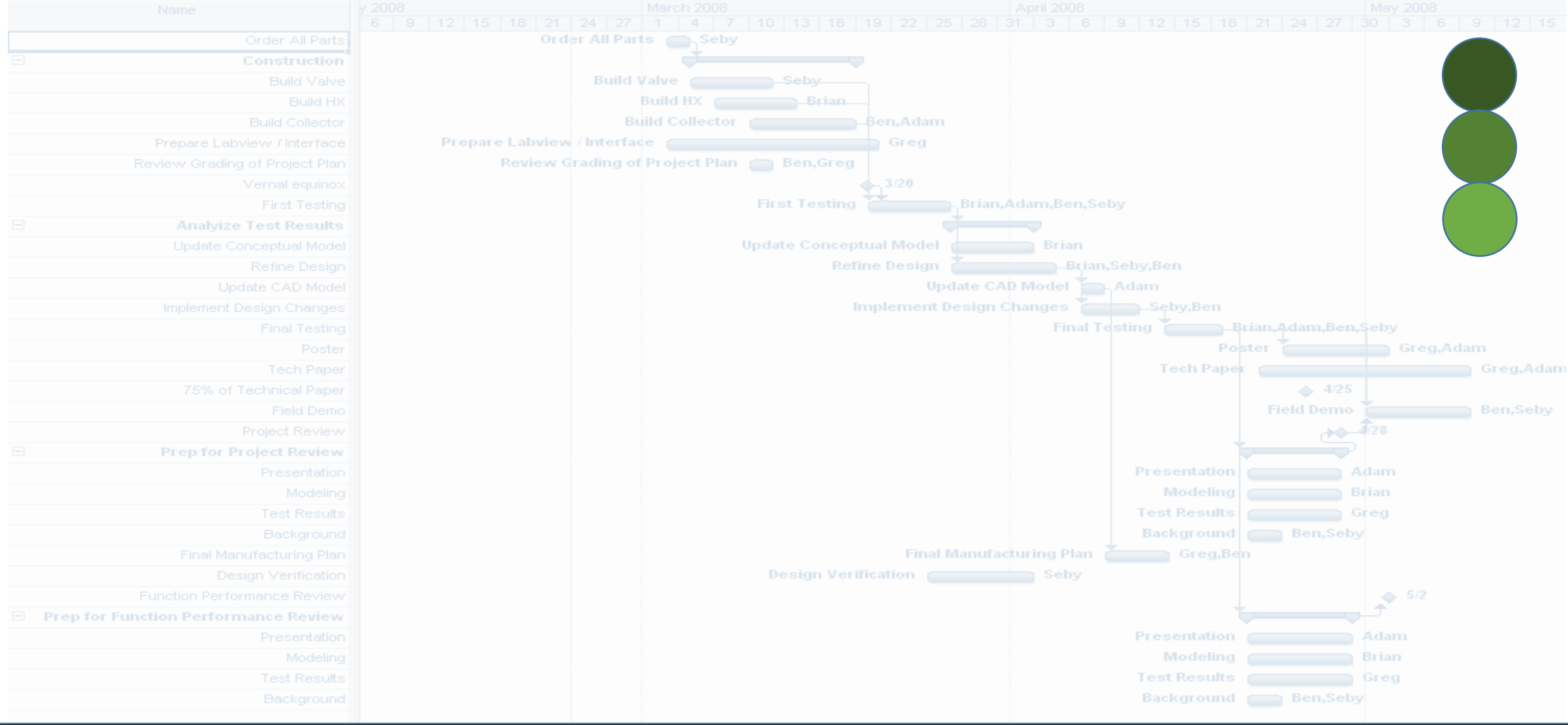




WHY



Traditional Project Controls



Traditional Project Controls

Traditional Project Results

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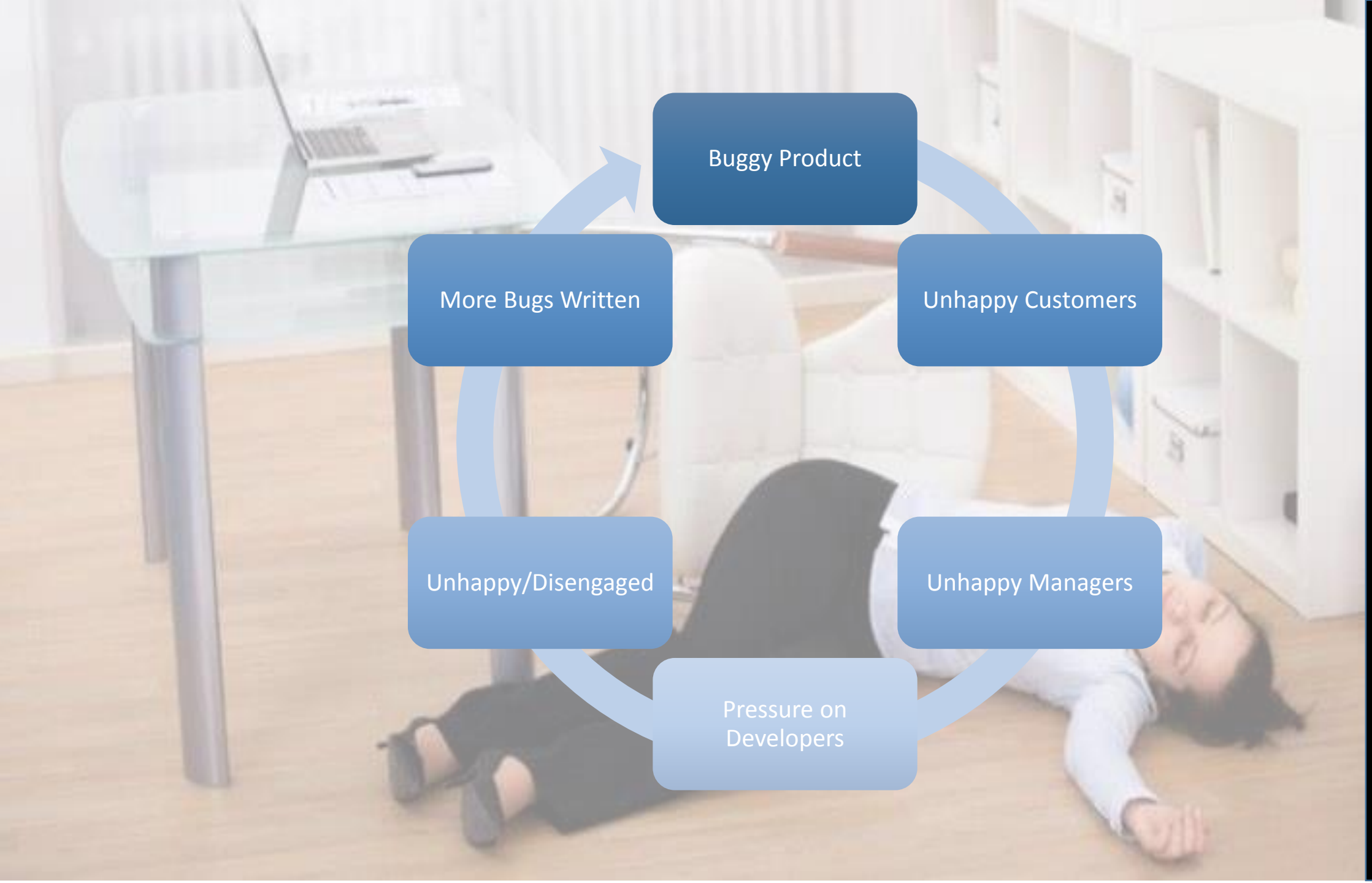
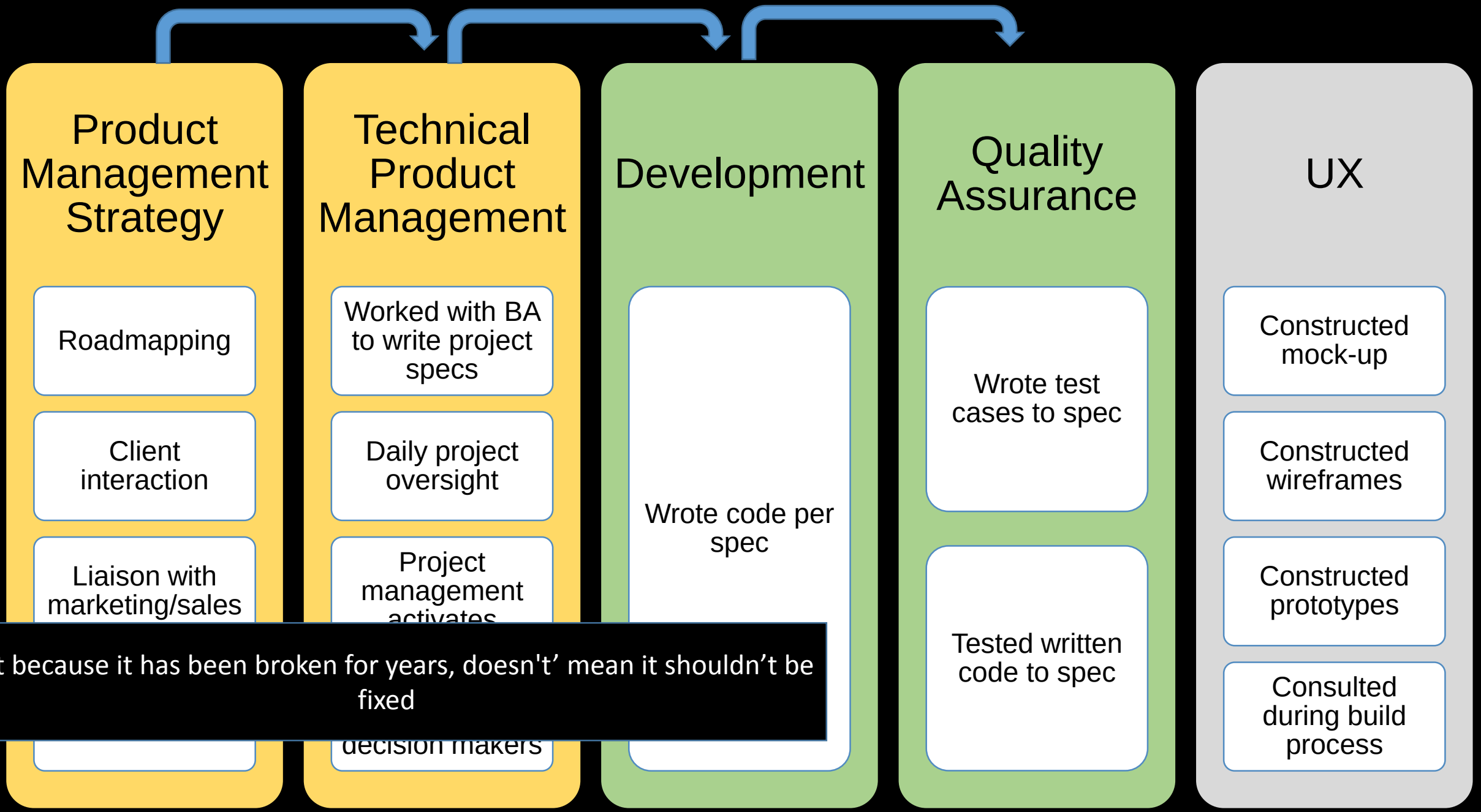
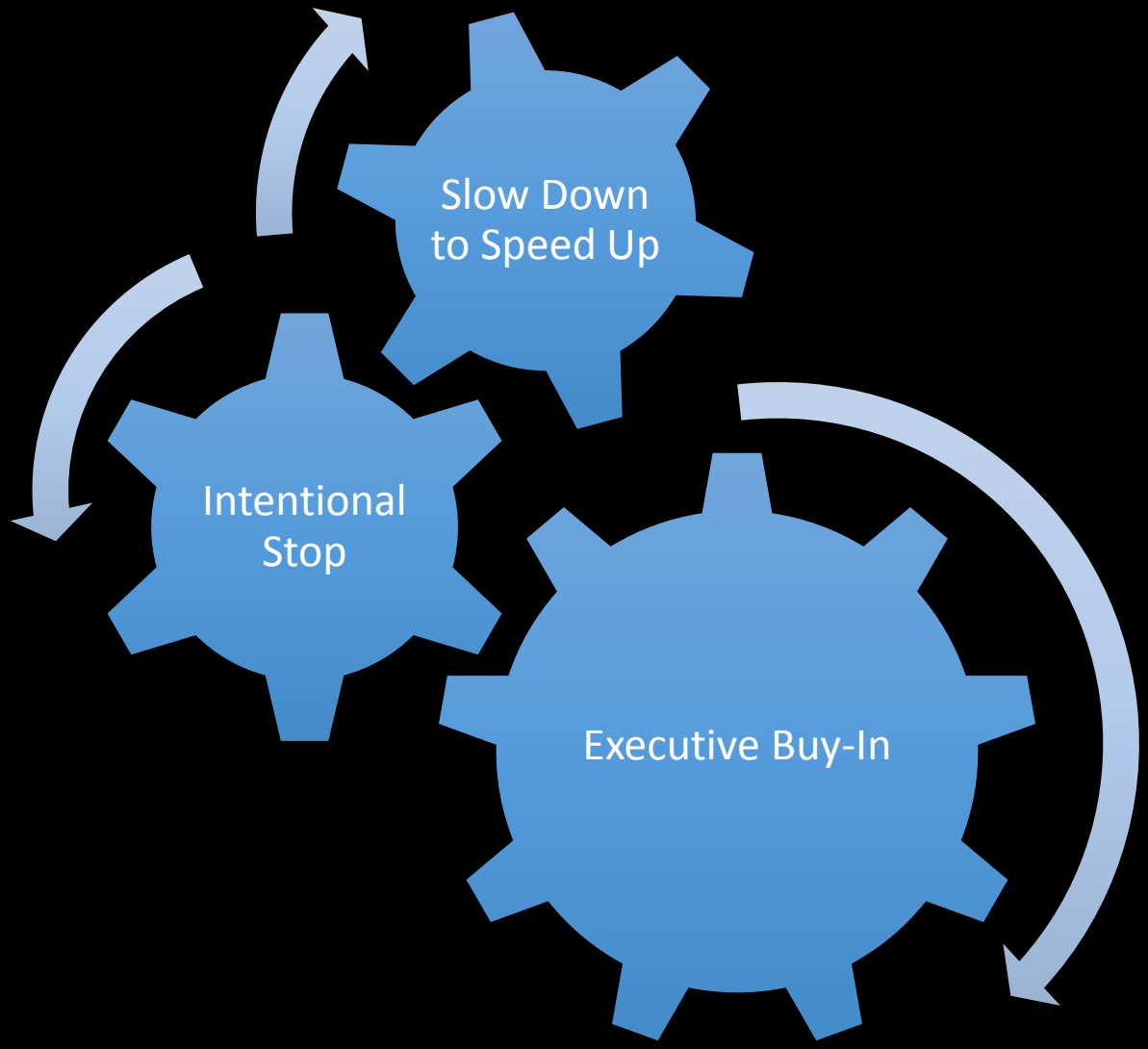


We get used to failing

- Centralized proactive management initiatives to combat project risk
- Poorly defined roles and responsibilities
- Team weaknesses
- Poor communication
- Overruns of schedule and cost
- Scope creep
- Ignoring project warning signs
- Undefined objectives and goals
- Lack of user input
- Enterprise management of budget resources
- Inadequate or vague requirements
- Unrealistic timeframes and tasks
- Insufficient resources (funding and personnel)
- Estimates for cost and schedule are erroneous
- No change control process
- Inadequate testing processes
- Lack of management commitment
- Lack of organizational support
- Provides universal templates and documentation
- Stakeholder conflict
- Competing priorities
- Business politics
- Lack of prioritization and project portfolio management
- Meeting end user expectations


Product Management Strategy
Roadmapping
Client interaction
Liaison with marketing/sales
Technical Product Management
Worked with BA to write project specs
Daily project oversight
Project management activates
decision makers
Development
Wrote code per spec
Quality Assurance
Wrote test cases to spec
Tested written code to spec
UX
Constructed mock-up
Constructed wireframes
Constructed prototypes
Consulted during build process
Just because it has been broken for years, doesn't' mean it shouldn't be fixed


Slow Down
to Speed Up
Intentional
Stop
Executive Buy-In

Step 1: Find your why

Step 2: Provide a vision

Step 3: Engage your team

Step 4: Educate

1. Introduction to agile
2. Invest in technology
    - Pair programming
    - TDD
    - SOLID Principles
    - Continuous Integration/DevOps
3. Scrum Master Training
4. Effective Retrospectives
5. Product/Marketing Training
6. Management/Leadership Training

Recurring Steps:

- Inspect & Adapt
- Provide Coaching
- Improve

Agility in the government space

Wrap up

Survey : http://svy.mk/1VwblX7
Contact Me : ryanlockard.com
Slides Available : tiny.cc/kc19ay