

Scrum in a Nutshell

Part 1

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Agenda

- What is Scrum
- Why we do like Scrum
- Roles, Events, Artifacts
- Let's practice!

Agile Manifesto

We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

Individuals and interactions over processes and tools

Working software over comprehensive documentation

Customer collaboration over contract negotiation

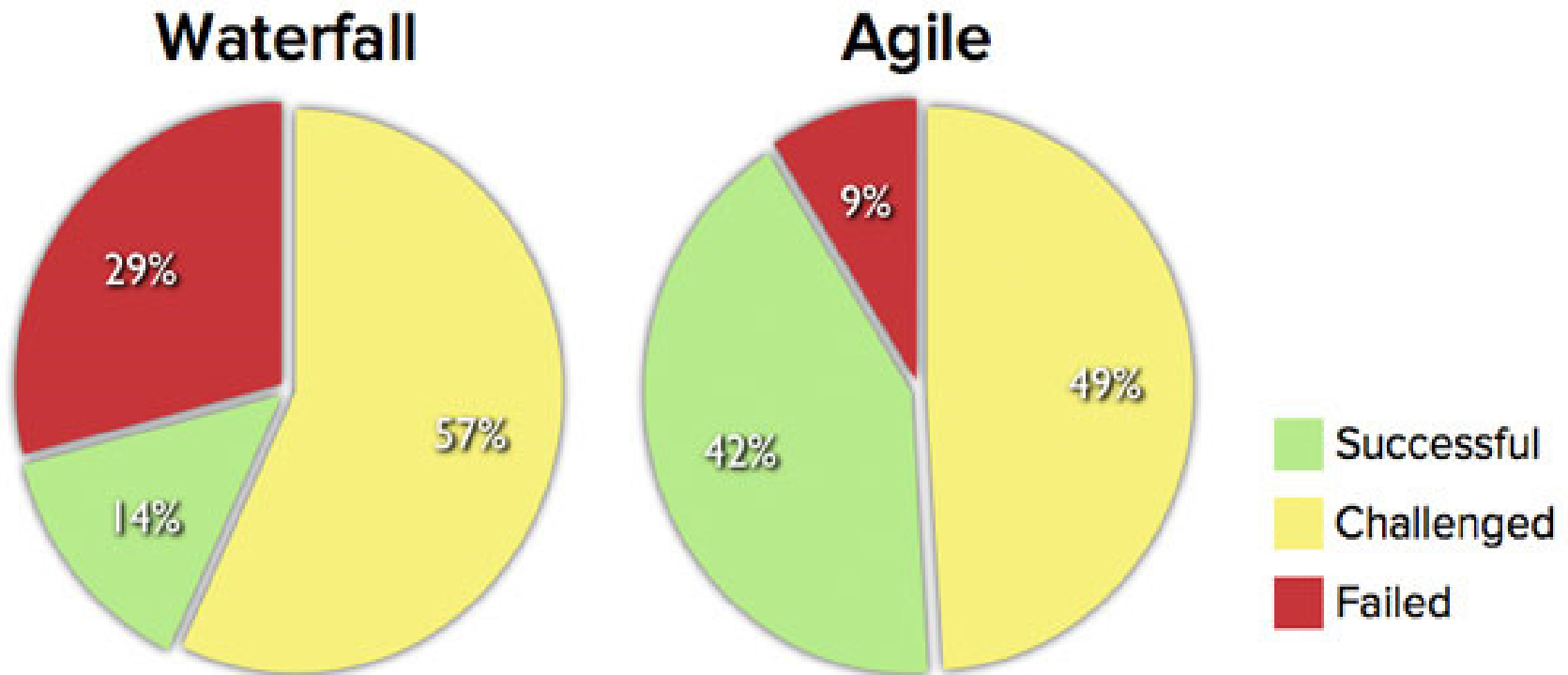
Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

What is Scrum

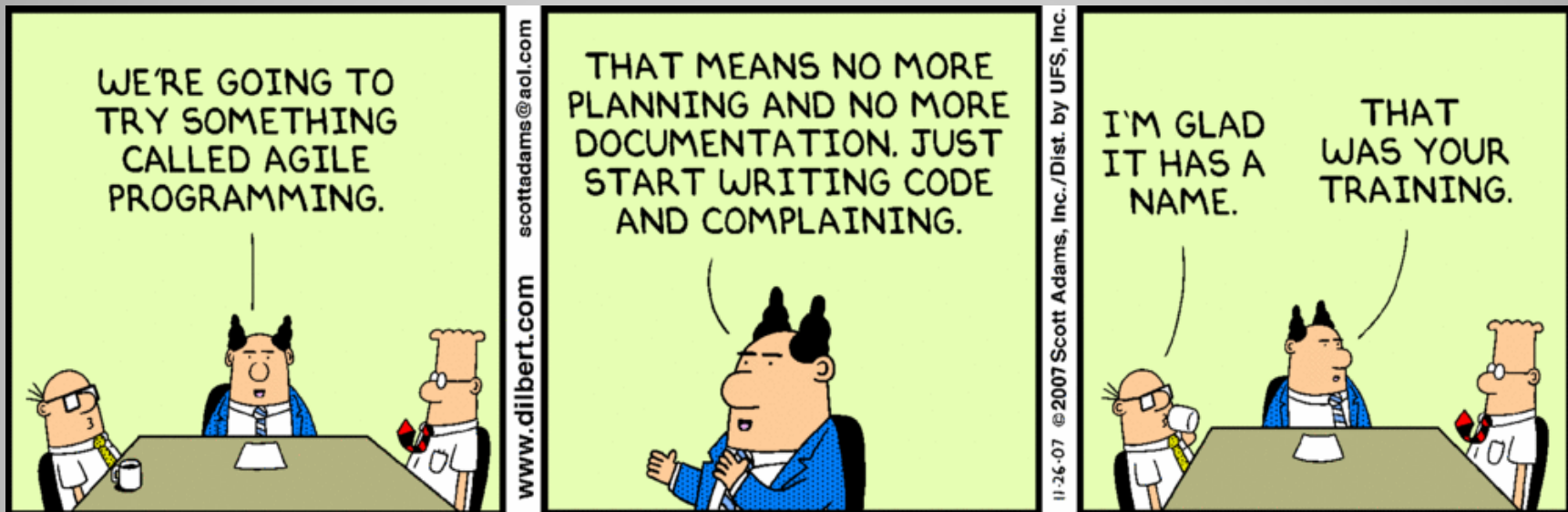
- A framework for developing and sustaining complex products
- Lightweight
- Simple to understand
- Difficult to master

Waterfall vs. Agile



Source: The CHAOS Manifesto, The Standish Group, 2012.

We are not going to do that...



... and that!



Why we do like Scrum

- Clear aim of the work
- Changes are welcomed!
- Immediate feedback
- Team sets the rules
- People volunteer for work
- Requires team responsibility
- HIGH MOTIVATION

Roles in Scrum Team

quickly introduce people in training.
Details will be discussed after the exercise.

- The Product Owner
- The Development Team
- The Scrum Master



The Product Owner

- Owns definition of success
- Manages ROI through prioritization and release plans



The Development Team

- Owns the production and engineering process



The Scrum Master

- Owns the process
- Teaches the Product Owner and the Team
- Servant leader

Events

- The sprint
- Sprint planning
- Daily Scrum (stand – up)
- Sprint Review
- Sprint Retrospective

Artifacts

- Product Backlog
- Sprint Backlog
- Product Increment

Let's practice estimation!

Estimation types

- Expert estimate – ask an expert
- Analogy/Relative estimate – relative to a known estimate.
- Disaggregation estimate – break a large piece into smaller pieces. Estimate smaller pieces and then aggregate

Effort Estimation is difficult



Relative estimation

- Pick a “typical” medium PBI
- For functional PBI, compare the story to the “typical” medium PBI
- For non-Functional stories with well-defined definitions of “done” compare the story to the “typical” medium PBI
- For PBI with ill-defined definitions of “done”, timebox them

Planning poker rules

- Each team member has a set of cards
- Ask an appropriate question
- Every team member shows its cards, all at once
- If everybody agrees, go to next story
- If there is disagreement, talk about it
- If necessary, vote again, and repeat until done

Let's practice estimation!

- Chicago – 1 (baseline)
- South Bend - ?
(0,1,2,3,5,8,20,40,100)
- Munster Library -
(0,1,2,3,5,8,20,40,100)
- Milwaukee - (0,1,2,3,5,8,20,40,100)
- Toronto - (0,1,2,3,5,8,20,40,100)