

Agile Dev Better Software DevOps **WEST**

A TECHWELL EVENT

AT5

Agile Practices

Thursday, June 7th, 2018, 11:30 AM

Let's (Re)Learn about Agile and Scrum in One Hour!

Presented by:

Steven Spearman

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Brought to you by:



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Steven Spearman

Swift Ascent, LLC

A founder and principal at Swift Ascent, LLC, Steve Spearman is a Certified Scrum Trainer and an agile coach working at the enterprise and team levels. Steve has more than thirty years' experience in corporate software development as a software developer, architect, project manager, ScrumMaster, and multiple management positions in a variety of enterprises. For the past four years, Steve has been providing agile-focused training and coaching to companies from late-stage startups to large corporations. Find out more about Steve on [LinkedIn](#).

Let's (Re)Learn about Agile and Scrum in One Hour!

Welcome!

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Steve Spearman

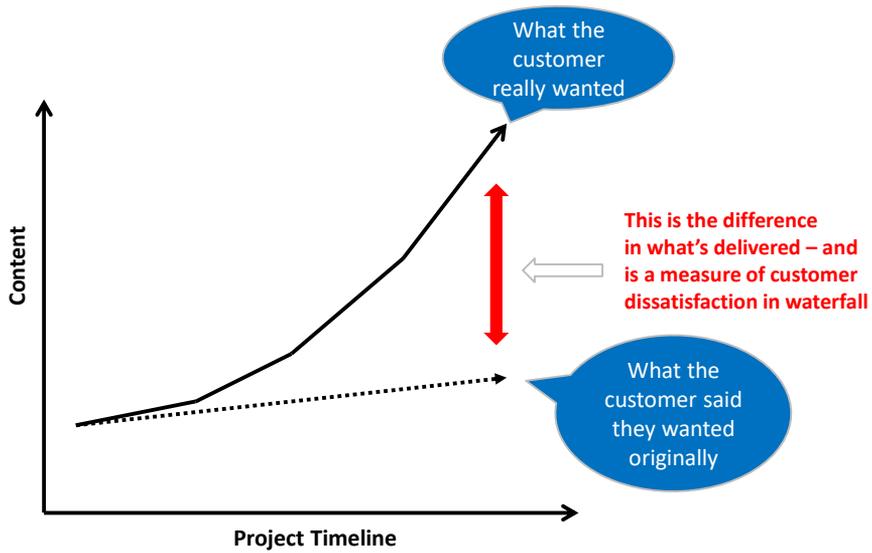
- 30+ years of software development experience
- CST, CSM, CSPO, PMP, PMI-ACP, (former) SAFe SPC, Certified LeSS Practitioner
- Certified Scrum Trainer and coach for Agile teams and organizations
- Based out of Denver (USA)



@sgspearman
stevespearman

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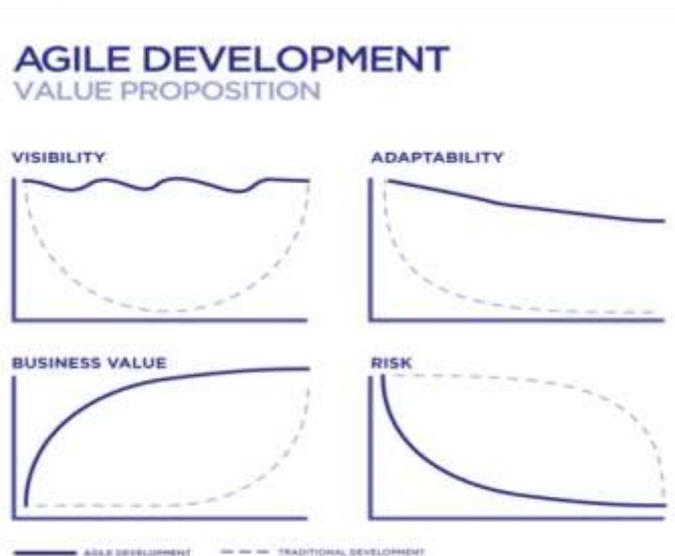
Why the Move to Agile?



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Why Agile - Executive Perspective



<http://www.versionone.com/Agile101/Agile-Software-Development-Benefits/>

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Another Reason for Agile - Complexity



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Outcome vs Output

Output – a measure of what was built

Outcome – business value & impact

Table discussion: what's the relationship between these and which is more important?



Timebox:
2 mins

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What is Agile?

It is often viewed as a process or something you adopt

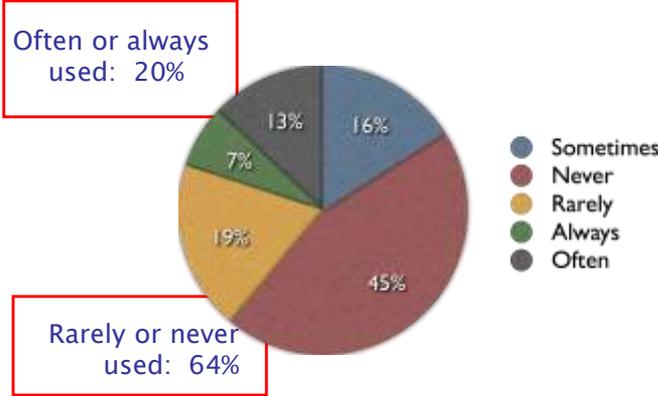
But we would suggest it is more.....

A philosophy that great products come from:
collaborative, empowered teams
working closely with customers,
utilizing value-driven delivery,
adaptive planning &
continuous improvement of their methods

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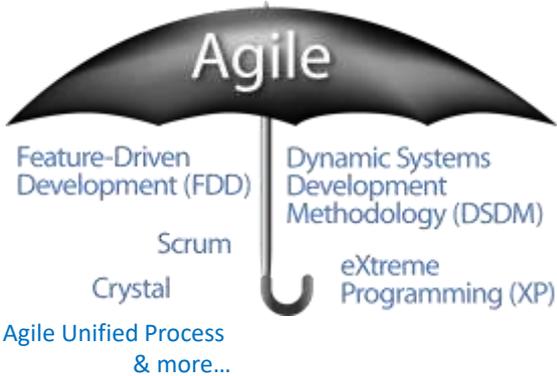
Simplicity – the Art of the Work Not Done



Standish Group Study Reported at XP2002 by Jim Johnson, Chairman

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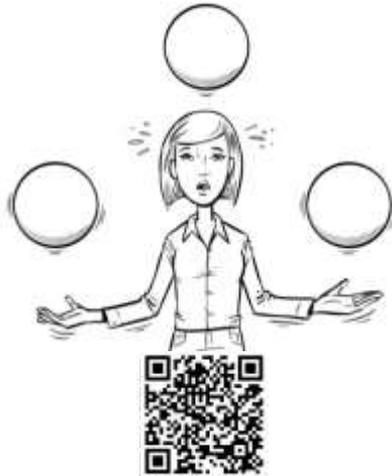
“Agile” includes a Family of Frameworks



And maybe scaling frameworks like SAFe, DAD, LeSS, Agile@Scale

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Intro to Scrum



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Scrum is an Empirical Process



Process evolves along with product

5 Scrum Values

- Focus
- Respect
- Openness
- Commitment
- Courage



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Three Scrum Roles – an Introduction



Product Owner

“What and why”
 Vision & goals
 Backlog
 Releasing
 Business expert
 Daily with the Dev Team
 Most accountable



ScrumMaster

Scrum Expert
 Coaches
 Facilitates
 Protects the Team
 Removes impediments
 Servant Leader
 Supports
 PO, Dev Team
 Whole organization!



Development Team

“How” & “how much”
 Cross-functional
 Multi-discipline
 Estimates
 Delivers
 Creates & solves
 Self-organizing
 Evolves processes

What about these Roles?

Let's have a quick discussion at your table. Scrum does not say anything about these roles. What do you think about them?

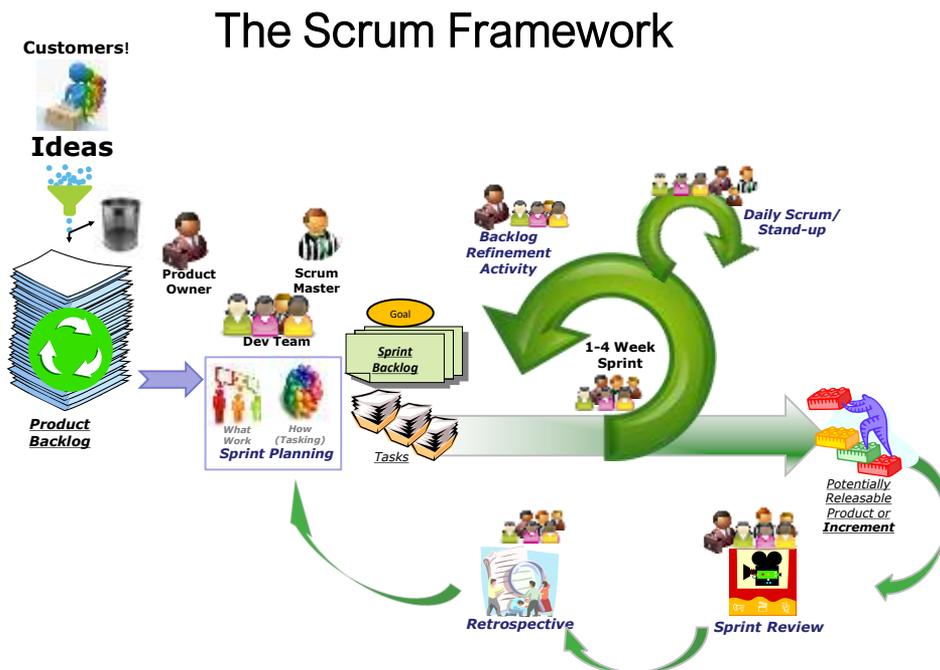
- Project Managers
- People Managers (manager, director, VP)
- BAs / Architects



Timebox:
3 mins

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Key Scrum Artifacts



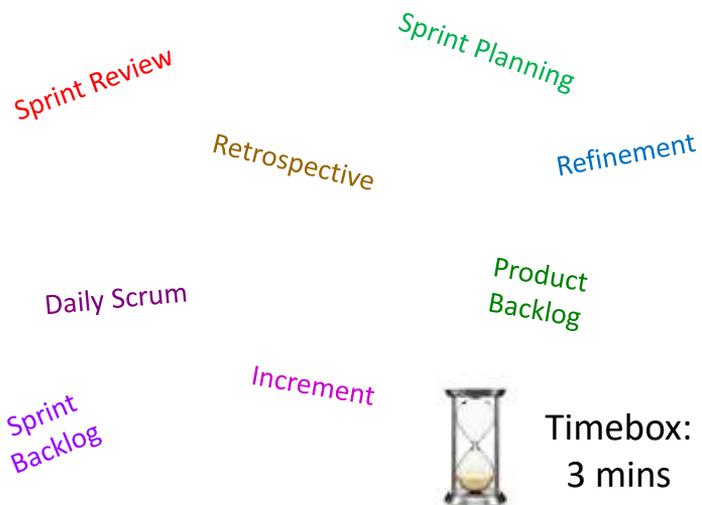
The 3 primary artifacts for Scrum are:

- Product backlog
- Sprint backlog
- Product increment

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Group Exercise: Draw the Scrum Framework



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Scrum Timeboxes



Sprint:	30 days
Sprint Planning:	8 hours
Daily Scrum:	15 minutes
Sprint Review:	4 hours
Retrospective:	3 hours

This are maximums for a 30 day sprint

Scrum is not a ...



... but it will reveal everything that the ScrumMaster or team needs to fix

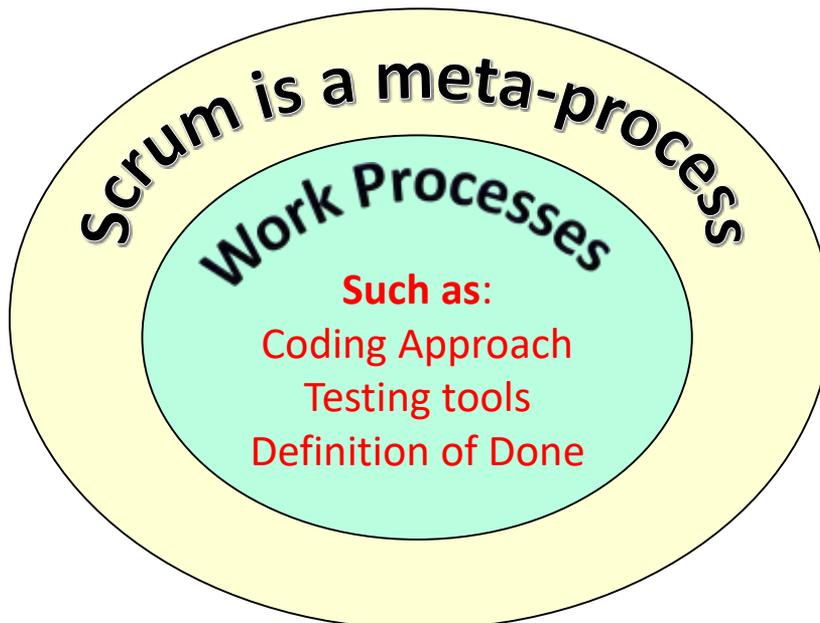
Listen to Customers – but Also Disrupt

Do customers always know what they want?



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Emergent Knowledge



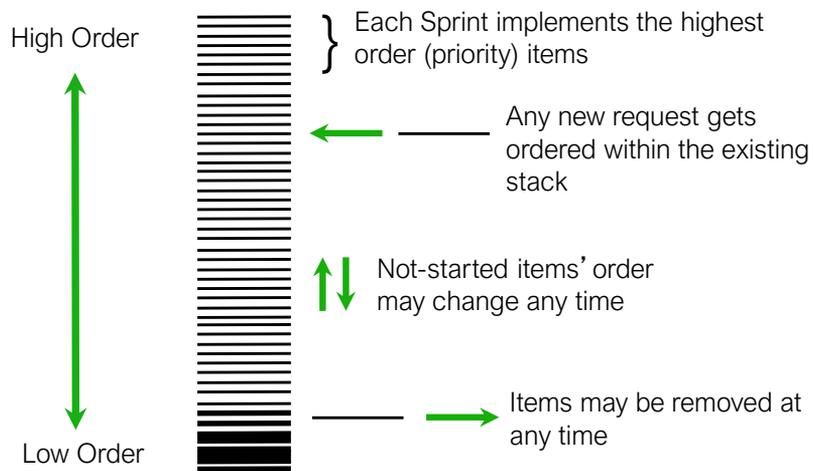
Because most things are emergent, Scrum teams:

- Talk more, write less
- Regularly show working product to users
- Embrace change
- Experiment more than follow a plan

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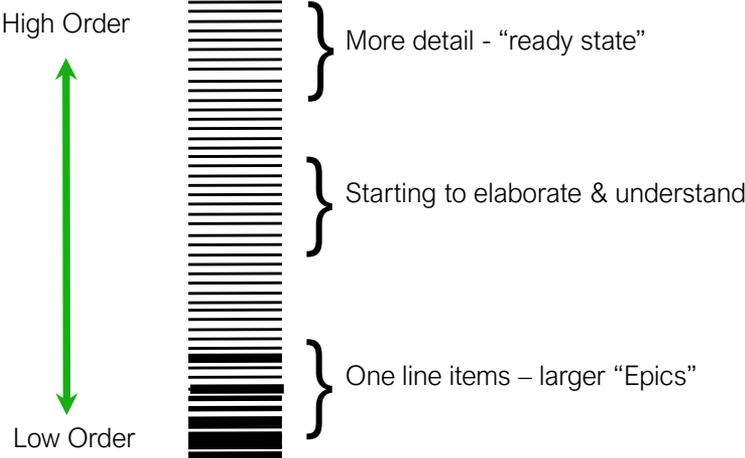
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Product Backlog 101



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Product Backlog 102 – Just in Time



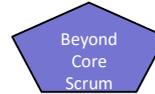
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User Stories



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Some User Stories



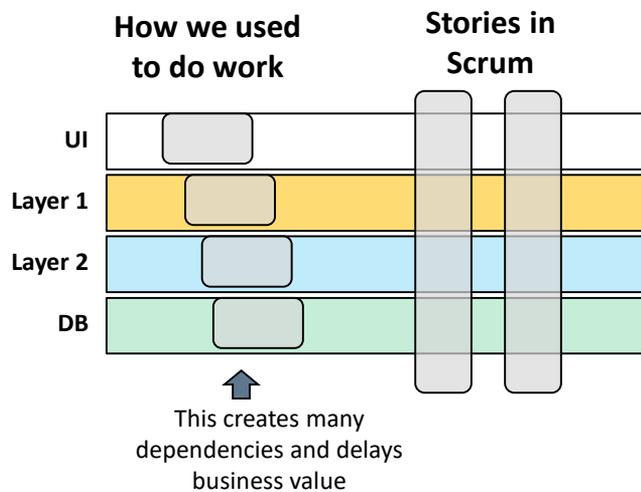
Is this a complete user story?

As a Facebook user, I want to update my profile so that potential friends may find me.



Video Series:
"Chet Rong"
By Atlassian

Stories are Slices



Scrum Roles Exercise



I have a little “Roles Game” for you at your table!



Timebox: 5 mins

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ScrumMaster as Servant: Ask, Don't Tell

- ✓ I noticed <situation>; what shall we do?
- ✓ I observed <this>; is that important?
- ✓ I feel <feeling>; do you share that?
- ✓ Shall we try to find out why <situation>?
- ✓ What do you think we should do?

.....

Does this sounds like they don't do much?

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Is It an SM Function (True or False)

- True!** Helping the Dev Team to create high-value products
- No** Owning the processes for getting work done
- True!** Leading and coaching the organization in its Scrum adoption
- True!** Planning Scrum implementations within the organization
- No** Serving as an interface between the PO and the Dev Team to convey information and clarify expectations
- True!** Causing change that increases the productivity of the Scrum Team
- No** Coordinating between multiple Scrum Teams so they can remain focused on their work
- True!** Working with other Scrum Masters to increase the effectiveness of the application of Scrum in the organization

Is It an SM Function #2 (True or False)

- True!** Ensuring that goals, scope, and product domain are understood by everyone on the Scrum Team
- True!** Finding techniques for effective Product Backlog management
- True!** Helping the Scrum Team understand the need for clear and concise Product Backlog items
- No** Running the Daily Scrum meeting to optimize team effectiveness
- True!** Ensuring the Product Owner knows how to arrange the Product Backlog to maximize value
- No** Scheduling meetings and producing charts for the team
- No** Presenting in the Sprint Review to ensure complete understanding by all those involved.

Scrum is Not Easy

1. [Learning Scrum is a long journey](#)
2. [Feel free to reach out for more information](#)

THANK YOU!

Steve Spearman
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Suggested Reading

- Autry, James A, **The Servant Leader: How to Build a Creative Team, Develop Great Morale, and Improve Bottom-Line Performance**, Crown Business, 2004
- Beck, Kent, with Andres, Cynthia, **Extreme Programming Explained**. Addison-Wesley.
- Broderick, Stacia and Michele Sliger. **A Software Project Manager's Bridge to Agility**. Addison-Wesley
- Cohn, Mike. **User Stories Applied**. Addison-Wesley, 2004.
- Cohn, Mike. **Agile Estimating and Planning**. Addison-Wesley, 2006.
- Crispin & Gregory, [Agile Testing: A Practical Guide for Testers and Agile Teams](#). Addison-Wesley Professional, 2009
- Derby, Esther and Larsen, Diana. **Agile Retrospectives - Making Good Teams Great**. Pragmatic Bookshelf, 2006.
- Poppendieck, Mary and Tom. **Lean Software Development - An Agile Toolkit**. Addison-Wesley, 2003.
- Rubin, Kenneth, [Essential Scrum: A Practical Guide to the Most Popular Agile Process](#). Addison-Wesley Signature Series, 2012
- Schwaber, Ken. **Agile Project Management with Scrum**. Microsoft Press, 2004.
- Tabaka, Jean. **Collaboration Explained: Facilitation Skills for Software Project Leaders**. Addison-Wesley, 2006.

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Scrum Glossary

- **Agile** the name coined for the wider set of ideas that Scrum falls within; the Agile values and principles are captured in the Agile Manifesto
- **Chicken** (obsolete) term for anyone not on the team
- **Daily Scrum** a fifteen-minute daily team event to share progress, report impediments and inspect & adapt
- **Done** also referred to as “Done” or “Done Done”, this term is used to describe a product increment that is considered releasable; it means that all design, coding, testing and documentation have been completed and the increment is fully integrated into the system
- **Emergence** the principle that the best designs, and the best ways of working come about over time through doing the work, rather than being defined in advance, cf. Empiricism, Self Organization
- **Empiricism** the principle of “inspect and adapt” which allows teams or individuals to try something out and learn from the experience by conscious reflection and change, cf. Emergence, Self Organization
- **Epic** a very large user story that is eventually broken down into smaller stories; Epics are often used as placeholders for new ideas that have not been thought out fully. There’s nothing wrong with having an Epic, as long as it is not high order
- **Estimation** the process of agreeing on a size measurement for the stories in a Product Backlog. Done by the team, perhaps using Planning Poker
- **Impediment** anything that prevents the team from meeting their potential (e.g. build servers are down). If organizational, it is the Scrum Master’s responsibility to eliminate it. If it is internal to the team, then they themselves should do away with it
- **Impediment Backlog** a visible list of impediments in a priority order according to how seriously they are blocking the team from productivity. Not a core Scrum concept.

Scrum Glossary

- **Pig** (arch.) term for a team member, the term offended some people so is now rarely used
- **Planning Poker** a game used to apply estimates to stories; it uses the Delphi method of arriving at consensus
- **Product Backlog** a prioritized list of features or stories that are waiting to be worked on
- **Product Backlog Item** any feature that is on the backlog list, which will include user stories, Epics and possibly technical stories to deal with technical debt, etc.
- **Product Owner** person whom holds the vision for the product and is responsible for maintaining, ordering and updating the Product Backlog
- **Release Burndown Chart** a visible chart to show progress towards a release
- **Retrospective** a session where the Team and Scrum Master reflect on the process and make commitments to improve
- **ScrumMaster (or Scrum Master)** a servant leader to the team, responsible for removing impediments and making sure the process runs smoothly so the team can be as productive as possible
- **Scrum events** Planning, Review, Retrospective, Daily Scrum
- **Scrum Roles** there are only three: Product Owner, Scrum Master, team
- **Spike** a short, time-boxed piece of research, usually technical, on a single story that is intended to provide just enough information that the team can estimate the size of the story
- **Sprint** a time boxed iteration
- **Sprint Burndown** a visible chart that indicates on a daily basis the amount of work remaining in the Sprint
- **Sprint Goal** aka Sprint Theme, the key focus of the work for a single Sprint
- **Sprint Planning** an event primarily involving the Team and the Product Owner to plan the Sprint and arrive at an agreement on the forecast / commitment
- **Sprint Task** a single small item of work that helps one particular story reach completion

Scrum Glossary

- **Stakeholder** anyone external to the team with an interest in the product being developed
- **Story** a backlog item usually using the template form: as a [user] I want [function] so that [business value]
- **Story Point** a unit of measurement applied to the size of a story, cf. Fibonacci Sequence
- **Story Time** the regular work session where items on the backlog are discussed, refined and estimated and the backlog is trimmed and prioritized
- **Task** see Sprint Task
- **Task List** the tasks needed to complete the set of stories committed to a Sprint
- **Taskboard** a wall chart with cards and sticky notes that represent all the work of a team in a given Sprint; the task notes are moved across the board to show progress
- **Team** the Development Team, responsible committing to work, delivering and driving the product forward from a tactical perspective
- **Team Member** any member of the team, including developers, testers, designers, writers, graphic artists, database admins...
- **Timeboxing** setting a duration for every activity and having it last no more than that (i.e. neither events nor Sprint are ever lengthened)
- **Velocity** the rate at which a team completes work, usually measured in story points.
- **Vision Statement** a high-level description of a product which includes who it is for, why it is necessary and what differentiates it from similar products
- **XP Practices** the set of development practices, including pair-programming, test-first, or test-driven development (TDD) and continuous refactoring, which are drawn from the XP methodology; many Scrum teams find these practices greatly improve productivity and team morale