



Scrum in 100 words

- Scrum is an agile process that allows us to focus on delivering the highest business value in the shortest time.
- It allows us to rapidly and repeatedly inspect actual working software (every two weeks to one month).
- The business sets the priorities. Teams self-organize to determine the best way to deliver the highest priority
- Every two weeks to a month anyone can see real working software and decide to release it as is or continue to enhance it for another sprint.



Scrum has been used by:

- Microsoft
- •Yahoo
- Intuit
- •Nielsen Media
- Google
- •First American Real Estate
- •Electronic Arts
- BMC Software
- •High Moon Studios
- •lpswitch • John Deere
- •Lockheed Martin
- •Lexis Nexis
- Philips
- •Sabre
- Siemens
- Salesforce.com
- •Nokia •Capital One
- •Time Warner
- •Turner Broadcasting
- •BBC
- •Oce



Scrum has been used for:

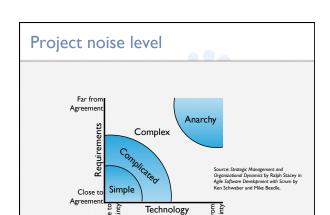
- Commercial software
- In-house development
- Contract development
- Fixed-price projects
- Financial applications
- ISO 9001-certified applications
- Embedded systems
- 24x7 systems with 99.999% uptime requirements
- the Joint Strike Fighter

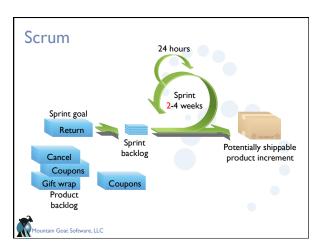
- Video game development
- FDA-approved, life-critical systems
- Satellite-control software
- Websites
- Handheld software
- Mobile phones
- Network switching applications
- ISV applications
- Some of the largest applications in

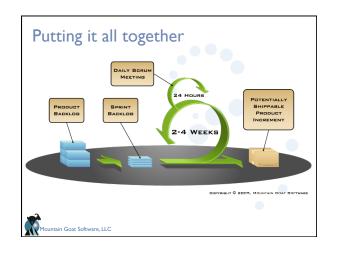
Characteristics

- Self-organizing teams
- Product progresses in a series of ~month-long "sprints"
- Requirements are captured as items in a list of "product backlog"
- No specific engineering practices prescribed
- Uses generative rules to create an agile environment for delivering projects
- One of the "agile processes"





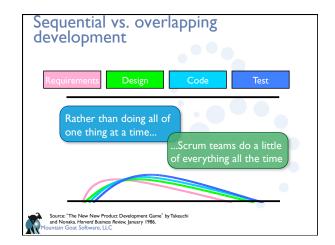


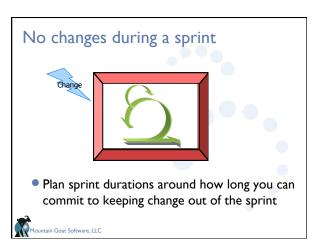


Sprints

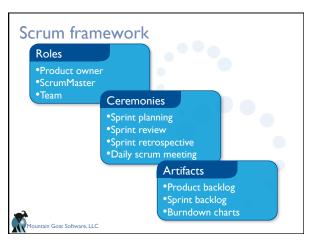
- Scrum projects make progress in a series of "sprints"
 - Analogous to Extreme Programming iterations
- Typical duration is 2–4 weeks or a calendar month at most
- A constant duration leads to a better rhythm
- Product is designed, coded, and tested during the sprint

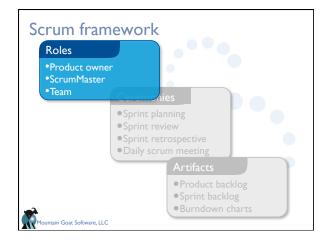


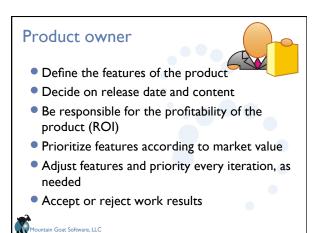


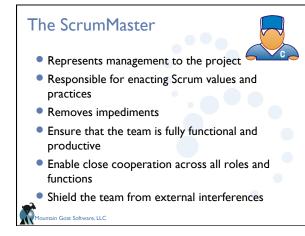




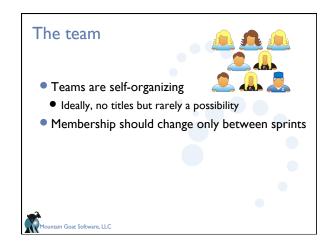


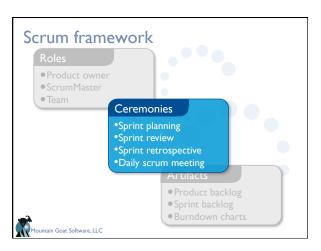


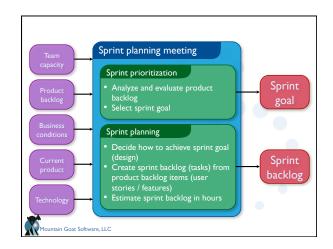


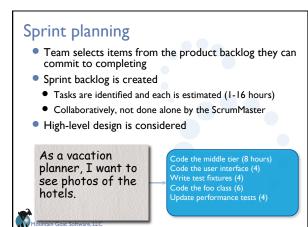






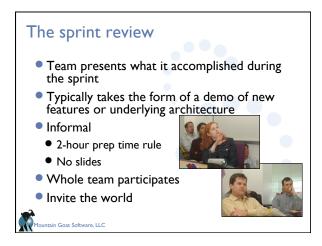


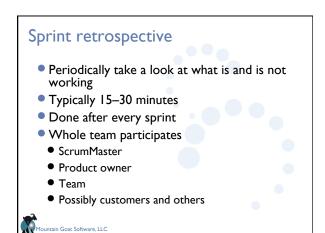


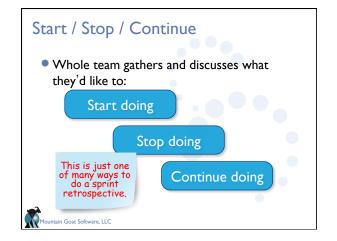


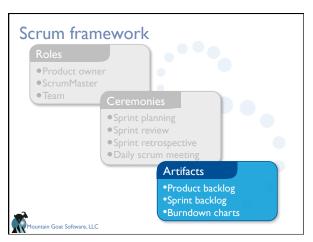




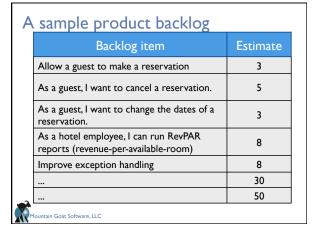


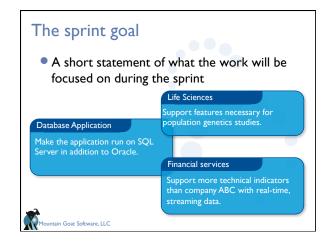


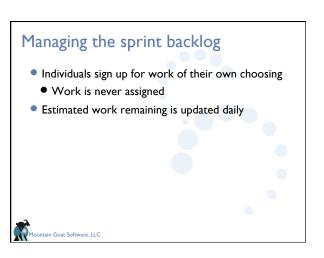












Managing the sprint backlog

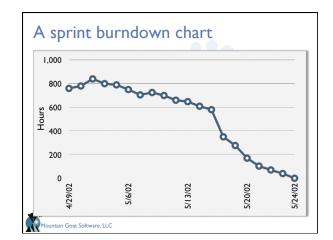
- Any team member can add, delete or change the sprint backlog
- Work for the sprint emerges
- If work is unclear, define a sprint backlog item with a larger amount of time and break it down later
- Update work remaining as more becomes known

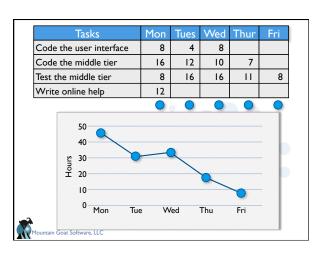


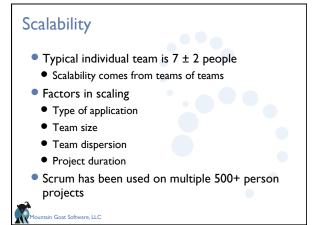
A sprint backlog

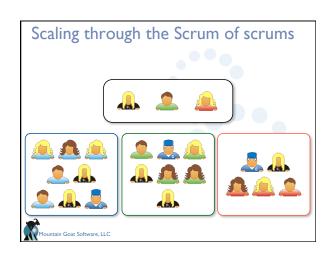
A sprint dacklog					
Tasks	Mon	Tues	Wed	Thur	Fri
Code the user interface	8	4	8		
Code the middle tier	16	12	10	4	
Test the middle tier	8	16	16	Ш	8
Write online help	12				
Write the foo class	8	8	8	8	8
Add error logging			8	4	

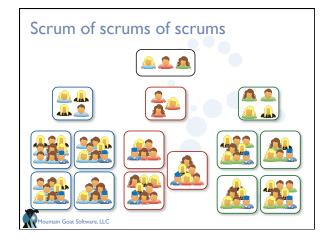


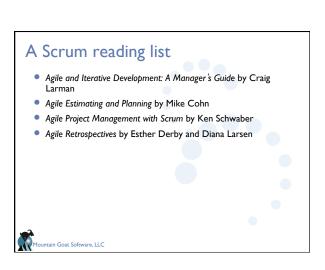












A Scrum reading list

- Agile Software Development Ecosystems by Jim Highsmith
- Agile Software Development with Scrum by Ken Schwaber and Mike Beedle
- Scrum and The Enterprise by Ken Schwaber
- Succeeding with Agile by Mike Cohn
- User Stories Applied for Agile Software Development by Mike Cohn



Scrum origins Jeff Sutherland Initial scrums at Easel Corp in 1993 IDX and 500+ people doing Scrum Ken Schwaber ADM Scrum presented at OOPSLA 96 with Sutherland Author of three books on Scrum Mike Beedle Scrum patterns in PLOPD4 Ken Schwaber and Mike Cohn Co-founded Scrum Alliance in 2002, initially within the Agile Alliance Mountain Goat Software, LLC

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