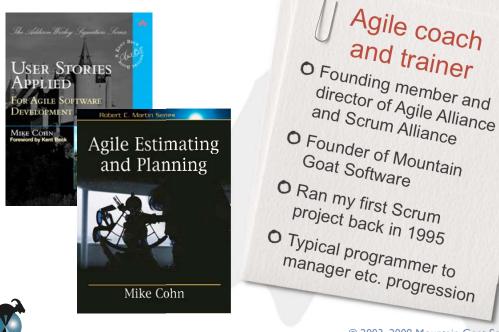


# Mike Cohn - background





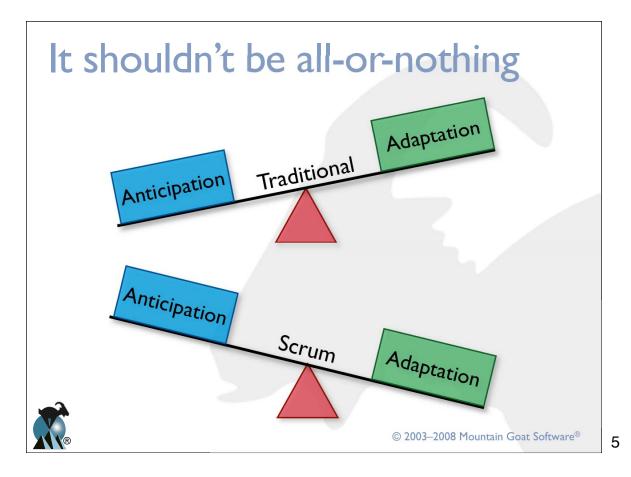
- Overview of Scrum
- Product backlogs
- Sprints and sprint backlog
- Tracking progress
- Scrum meetings



#### © 2003–2008 Mountain Goat Software®

The Agile Manifesto Individuals and Process and tools over interactions Comprehensive Working software over documentation Customer Contract over collaboration negotiation Responding to Following a plan over change © 2003–2008 Mountain Goat Software®

4





### We're losing the relay race

"The... 'relay race' approach to product development...may conflict with the goals of maximum speed and flexibility. Instead a holistic or 'rugby' approach—where a team tries to go the distance as a unit, passing the ball back and forth—may better serve today's competitive requirements."

> Hirotaka Takeuchi and Ikujiro Nonaka,"The New New Product Development Game", *Harvard Business Review*, January 1986.

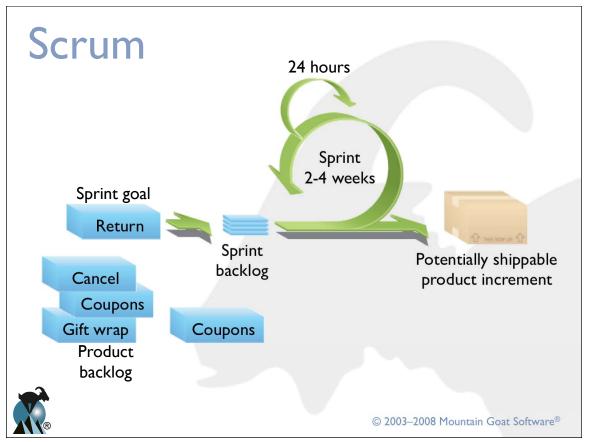


© 2003–2008 Mountain Goat Software®

7



Scrur	n roles and responsibilities
Product Owner	<ul> <li>Defines the features of the product, decides on release date and content</li> <li>Is responsible for the profitability of the product (ROI)</li> <li>Prioritizes features according to market value</li> <li>Can change features and priority every sprint</li> <li>Accepts or rejects work results</li> </ul>
Scrum Master	<ul> <li>Ensures that the team is fully functional and productive</li> <li>Enables close cooperation across all roles and functions and removes barriers</li> <li>Shields the team from external interferences</li> <li>Ensures that the process is followed. Participates in daily scrum, sprint review and planning meetings</li> </ul>
Team	<ul> <li>Cross-functional, seven plus/minus two members</li> <li>Selects the sprint backlog</li> <li>Has the right to do everything within the boundaries of the project guidelines to reach the iteration goal</li> <li>Organizes itself and its work</li> <li>Demos work results to the Product Owner</li> </ul>
R	© 2003–2008 Mountain Goat Software®



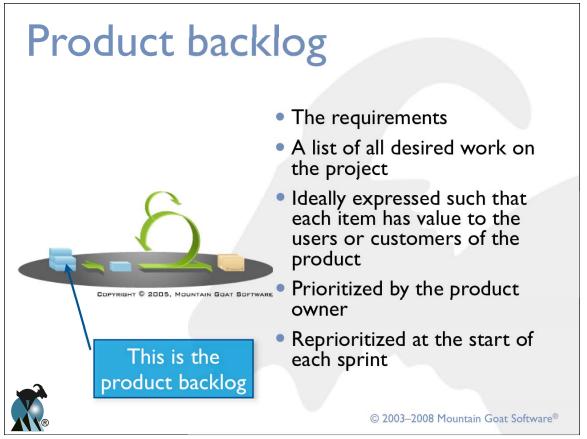
### Scrum

- Is results-oriented
- Is commitment-driven
- Is value-focused
- Empowers and respects teams



#### © 2003–2008 Mountain Goat Software®

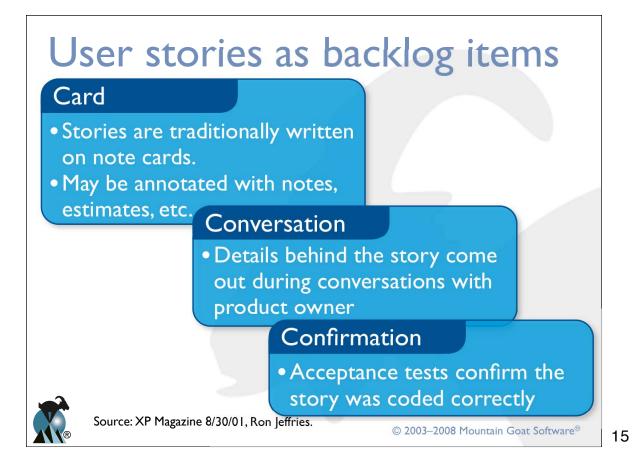


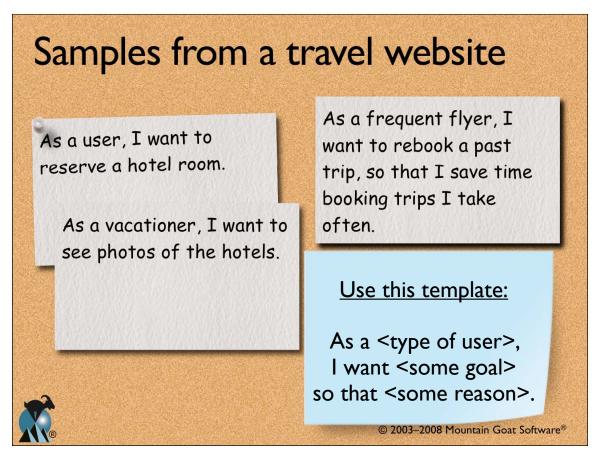


### A sample product backlog

Backlog item	Estimate
Allow a guest to make a reservation	3
As a guest, I want to cancel a reservation.	5
As a guest, I want to change the dates of a reservation.	3
As a hotel employee, I can a run RevPAR (Revenue-Per-Available-Room) report	8
Improve exception handling	8
	30
	50

#### © 2003–2008 Mountain Goat Software®



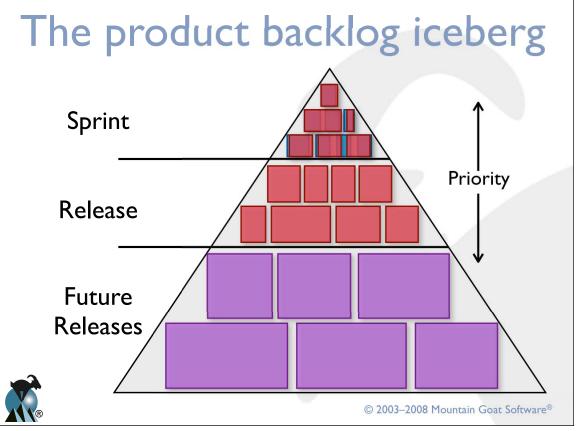


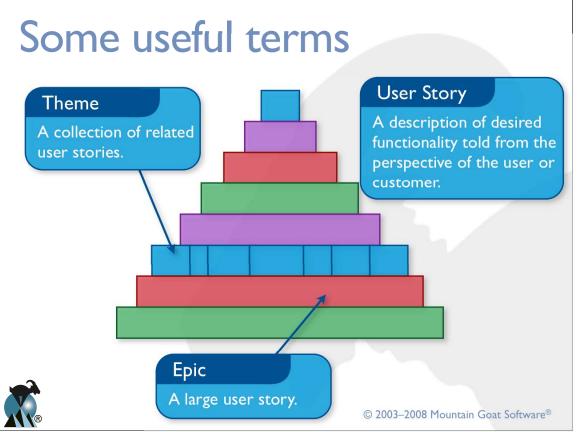
Write some user stories about things some "users" of the software development process would want

As a developer, I do not want to be forced to work inordinate or prolonged amounts of overtime.

As a customer, I want a high degree of predictability of scope and date.

© 2003–2008 Mountain Goat Software®





### An example

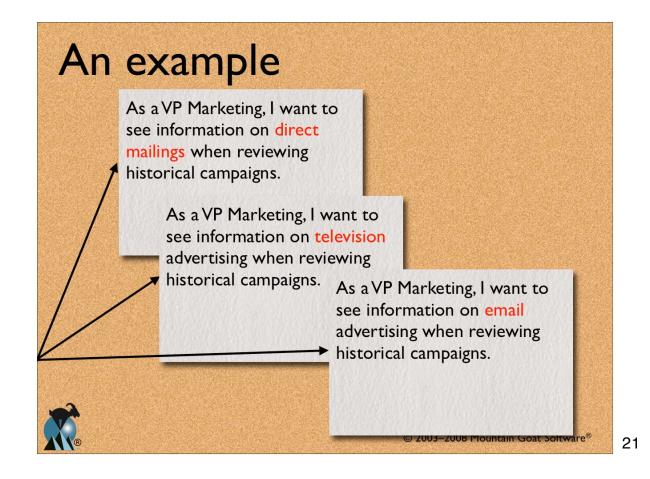
As a VP Marketing, I want to review the performance of historical promotional campaigns so that I can identify and repeat profitable ones.

Clearly an epic

As a VP Marketing, I want to select the timeframe to use when reviewing the performance of past promotional campaigns, so that I can identify and repeat profitable ones.

#### Epics??

As a VP Marketing, I can select which type of campaigns (direct mail, TV, email, radio, etc.) to include when reviewing the performance of historical promotional campaigns.



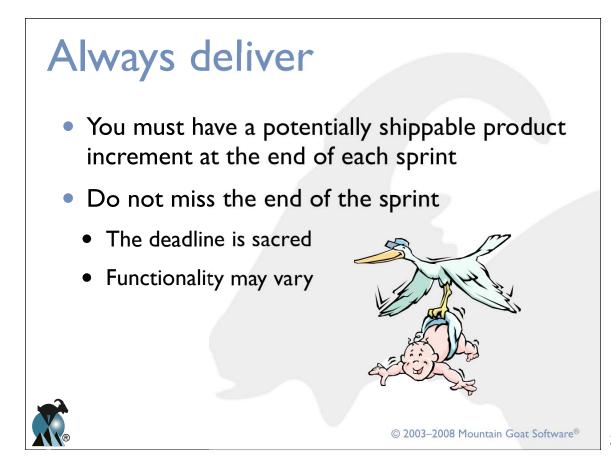


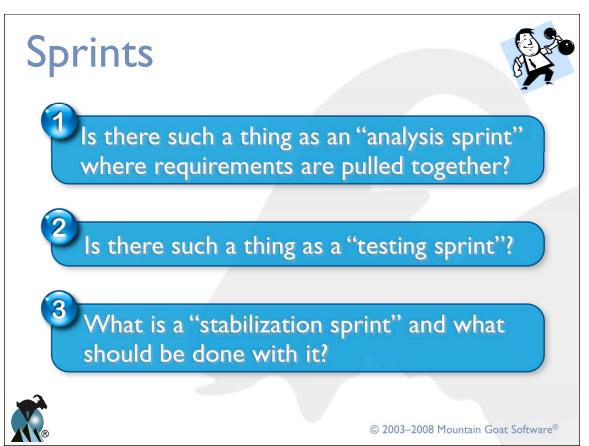
A sprint backlog							
Tasks	Mon	Tues	Wed	Thur	Fri		
Code the user interface	8	4	8				
Code the middle tier	16	12	10	4			
Test the middle tier	8	16	16	П	8		
Write online help	12						
Write the foo class	8	8	8	8	8		
Add error logging			8	4			
R			© 2003–200	08 Mountain	Goat Softv		

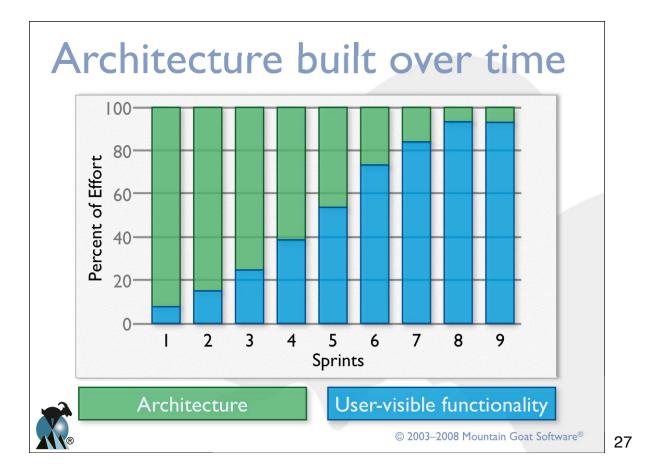
# Potentially shippable product increment

- At the end of each sprint, the team must produce a potentially shippable product increment
  - High quality, tested, complete, done, what it does it does well
- Potentially shippable ≠ shippable
- Product increment may not be cohesive
  - Print preview but no print

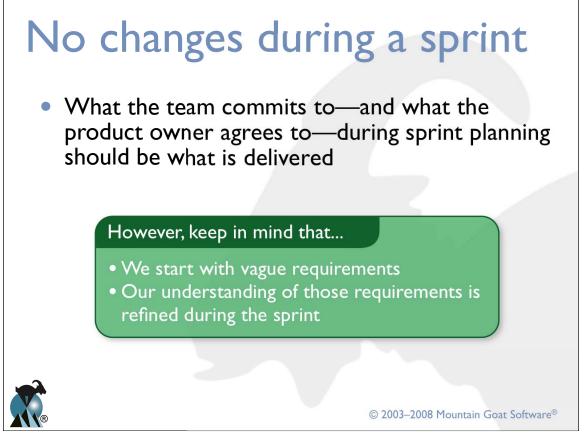












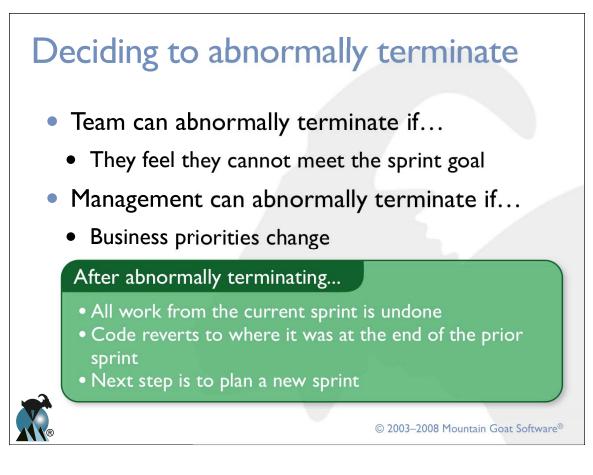
30

# Abnormal terminations

- If change cannot be kept out of a sprint...
  - The sprint may be abnormally terminated
- An extreme circumstance, not done very often
- Raises visibility of priority changes



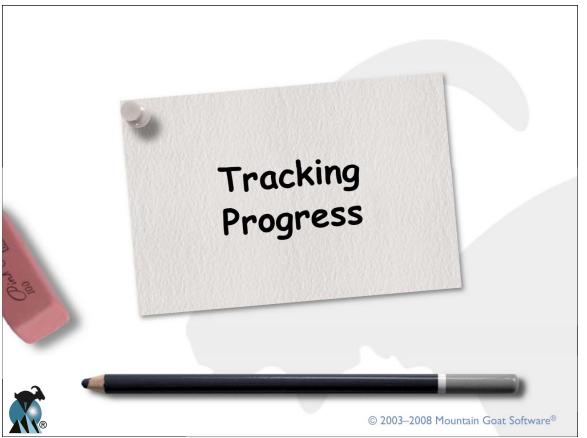




## **Release sprints**

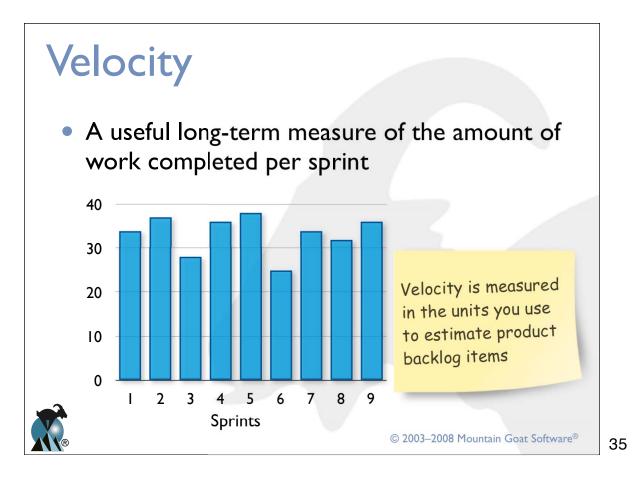
- Always target a potentially-shippable product increment
- But, some polishing can occur in a release sprint
  - MTBF testing
  - Some stress, performance or usability testing
  - Compliance
  - Documentation touchups (final screen shots)

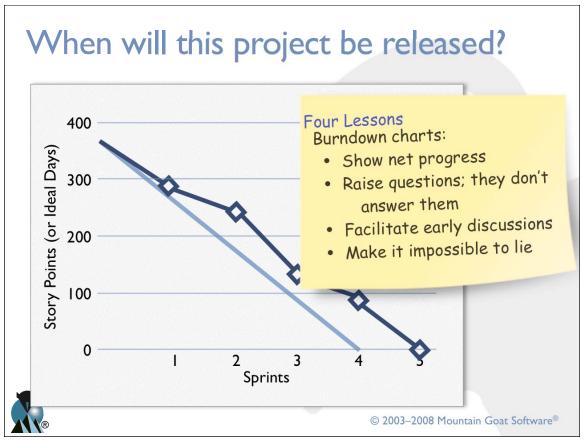


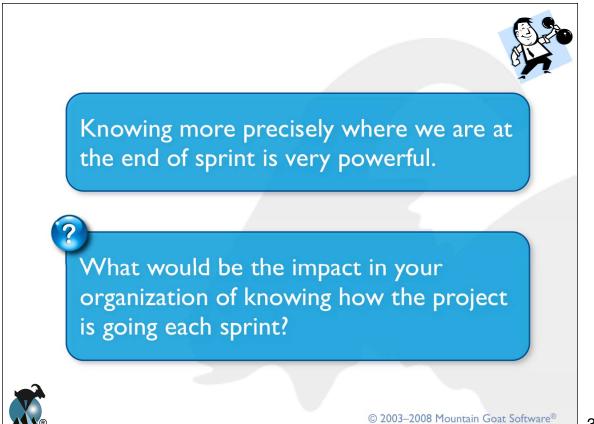


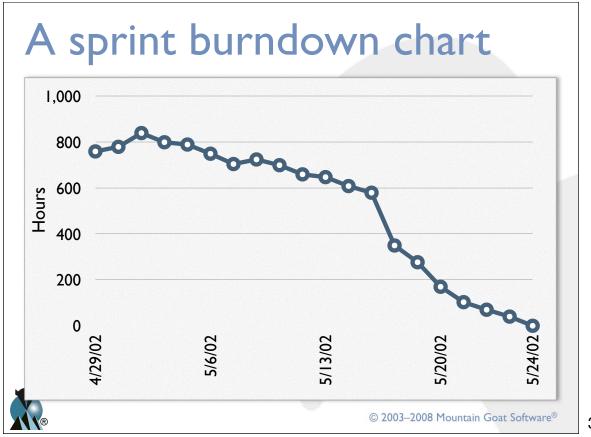
A product backlog					
Story	Points	Done			
As the site editor, I can add an article to the site.	5	✓			
As a site visitor, I want to read a new article on the front page about once a week.	5	~			
As the site editor, I can include a teaser with each article.	3				
As a site member who has read a teaser on the front page, I want to read the entire article.	5				
As a site visitor, I can do a full-text search of article body, title, and author name.	8				
As a site visitor, I can subscribe to an RSS feed of articles.	5				
As a site visitor, I can post comments about articles so that others can read them.	13				

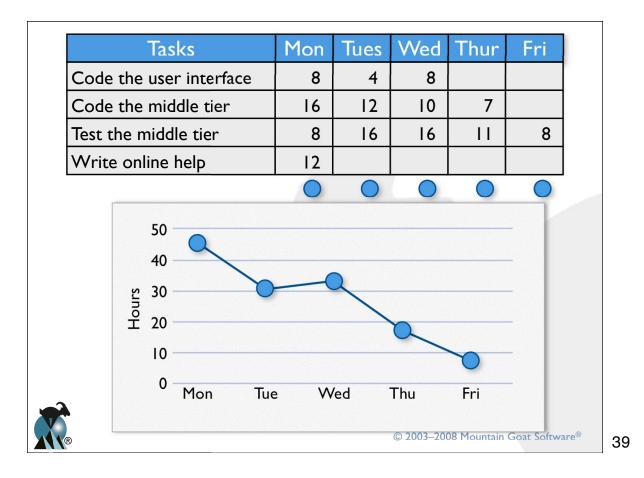


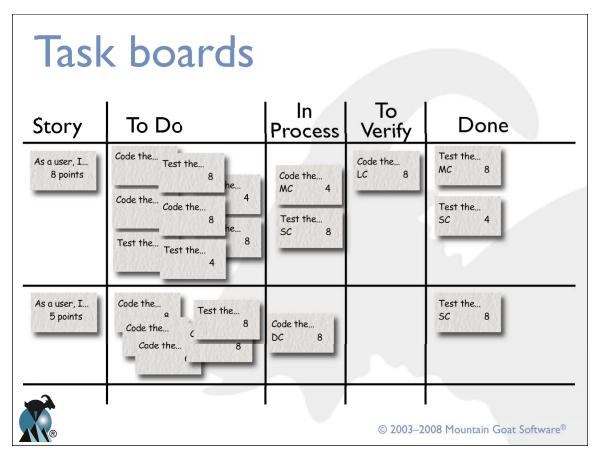




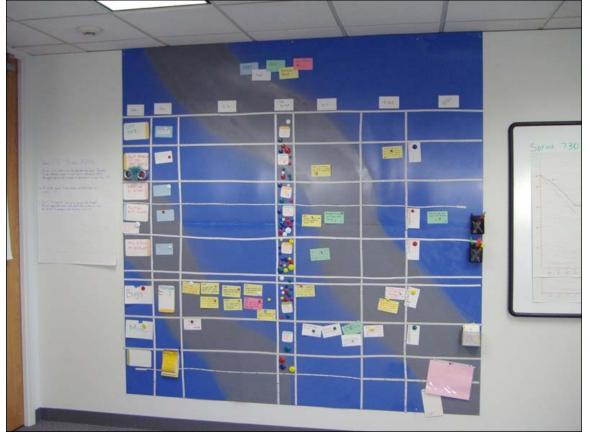








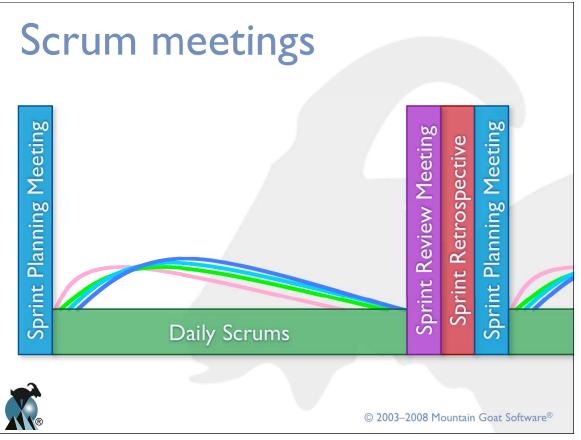


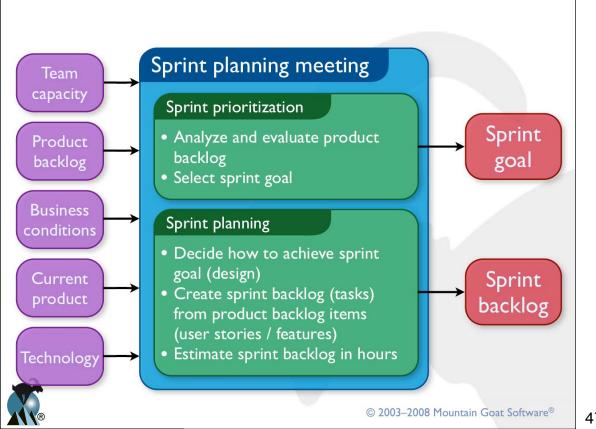


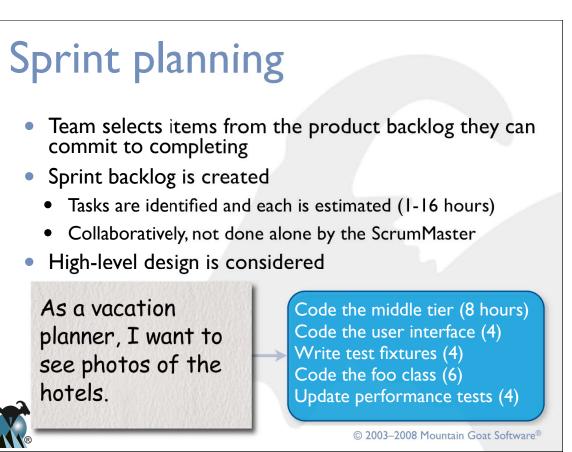
















# The sprint review

- Team presents what it accomplished during the sprint
- Typically takes the form of a demo of new features or underlying architecture
- Informal
  - No slides
  - 2-hour prep time guideline
- Whole team participates
- Invite the world



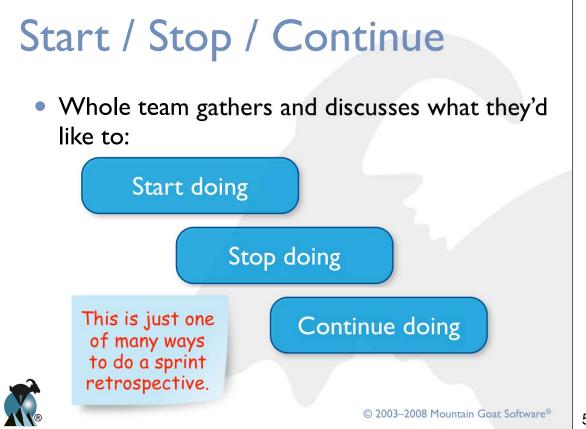
© 2003–2008 Mountain Goat Software®

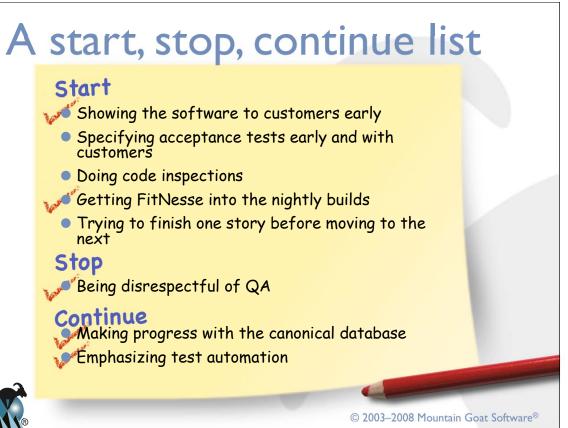
51

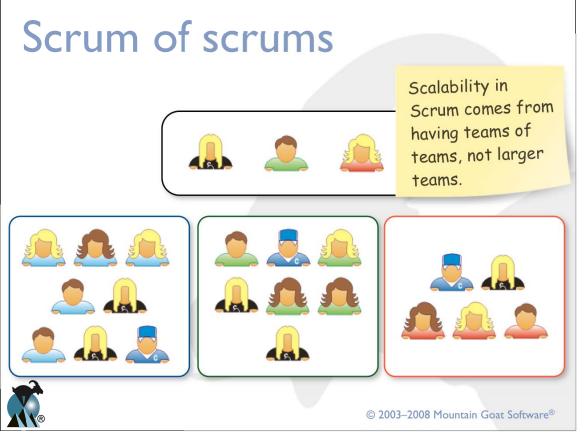
# Sprint retrospective

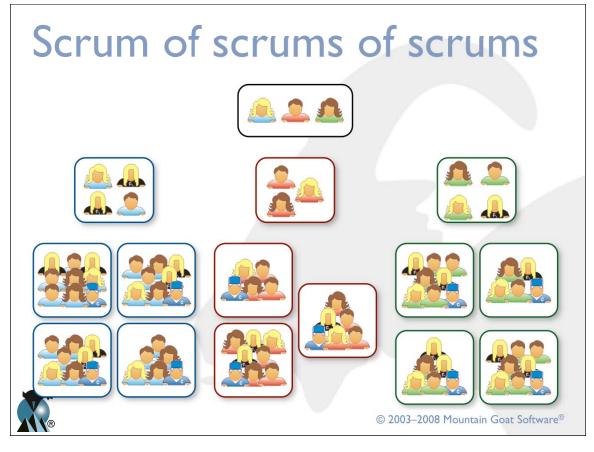
- Periodically take a look at what is and is not working
- Typically 15–30 minutes
- Done after every sprint
- Whole team participates
  - ScrumMaster
  - Product owner
  - Team
  - Possibly customers and others

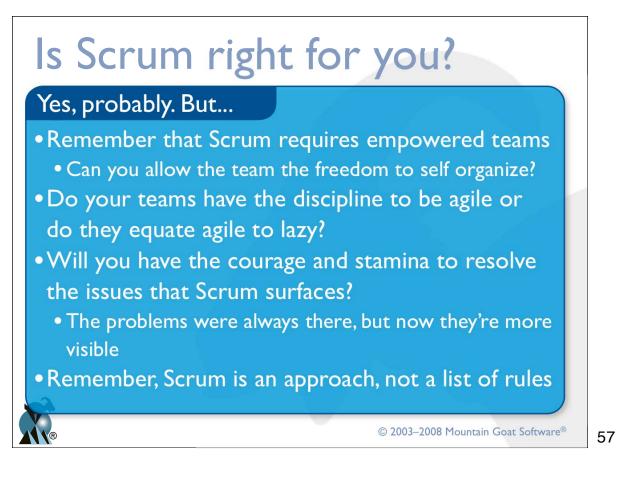












## Upcoming public classes

Date	What	Where		
July 29–30 July 3 I	Certified ScrumMaster Agile Estimating and Planning	La Jolla, CA		
October 13 October 14–15 October 16	Effective User Stories Certified ScrumMaster Agile Estimating and Planning	San Jose, CA		
Other classes in London and Oslo if you're up for a longer trip.				

Information and registration at www.mountaingoatsoftware.com



