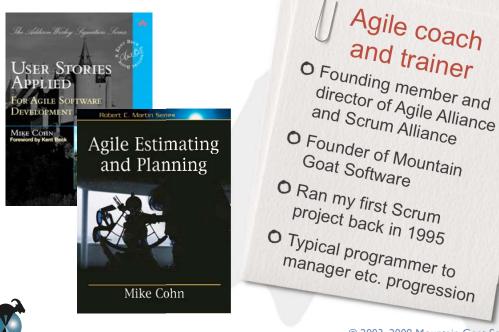


# Mike Cohn - background





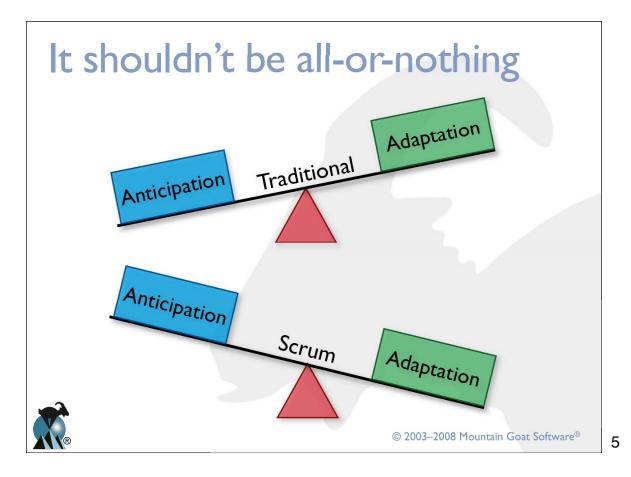
- Overview of Scrum
- Product backlogs
- Sprints and sprint backlog
- Tracking progress
- Scrum meetings



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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.

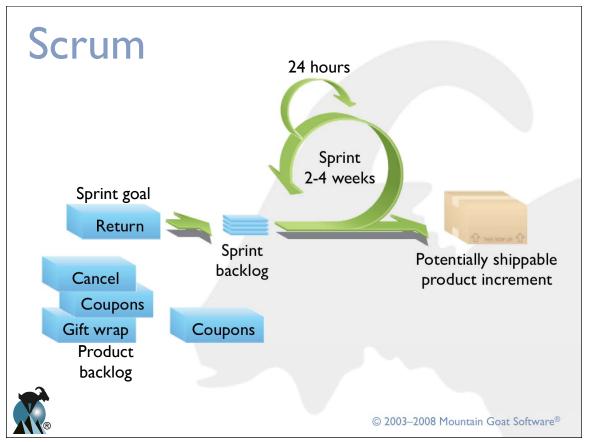


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7



| Scrur            | n roles and responsibilities                                                                                                                                                                                                                                                                                                              |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product<br>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<br>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®                                                                                                                                                                                                                                                                                                       |



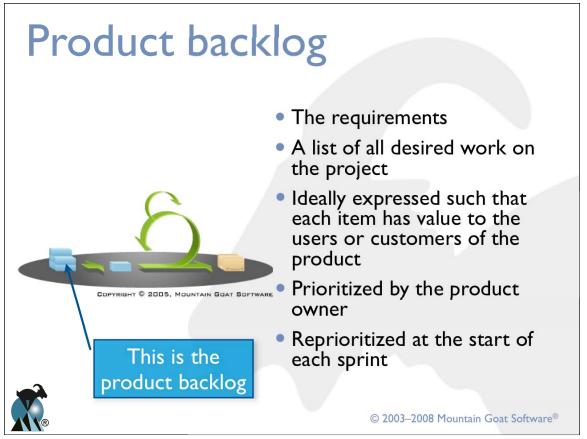
### Scrum

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



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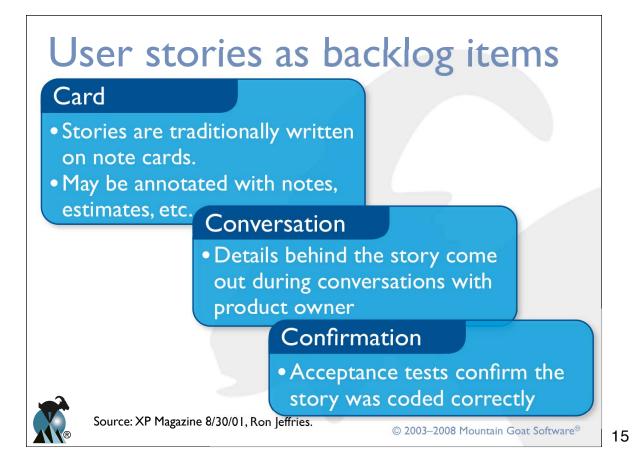


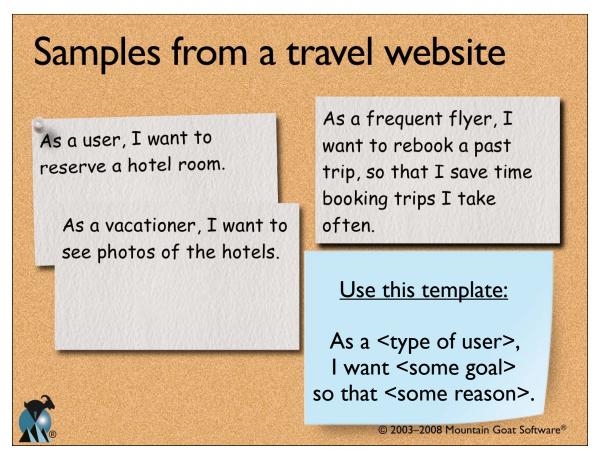


### A sample product backlog

| 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<br>(Revenue-Per-Available-Room) report | 8        |
| Improve exception handling                                                     | 8        |
|                                                                                | 30       |
|                                                                                | 50       |

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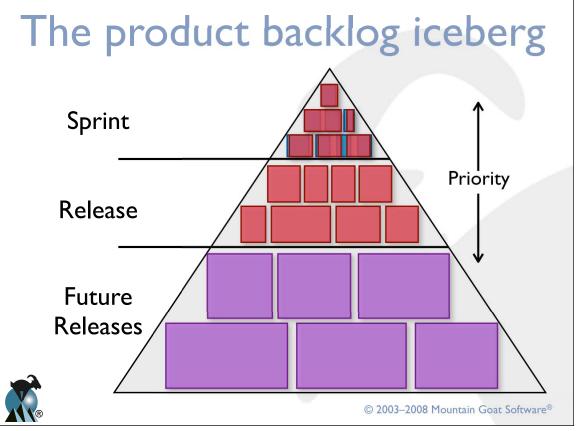


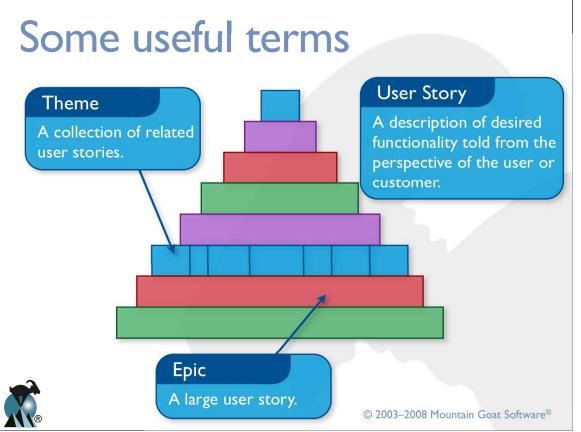
Write some user stories about things some "users" of the software development process would want

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.

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### An example

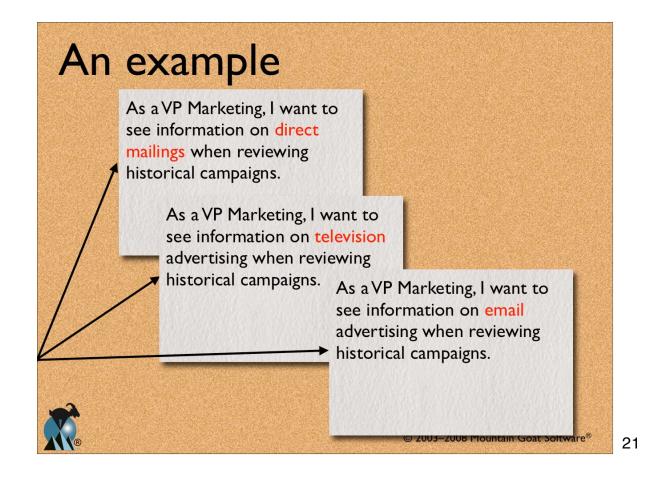
As a VP Marketing, I want to review the performance of historical promotional campaigns so that I can identify and repeat profitable ones.

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.



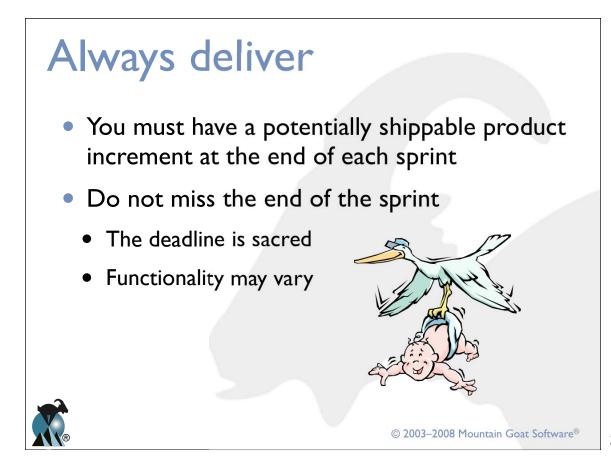


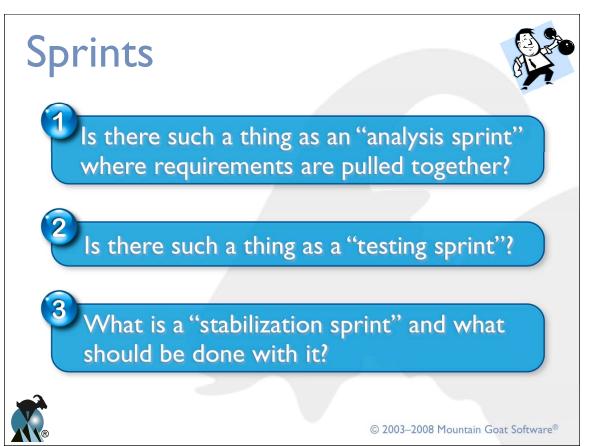
| A sprint backlog        |     |      |            |             |            |  |  |
|-------------------------|-----|------|------------|-------------|------------|--|--|
| Tasks                   | Mon | Tues | Wed        | Thur        | Fri        |  |  |
| Code the user interface | 8   | 4    | 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 |  |  |

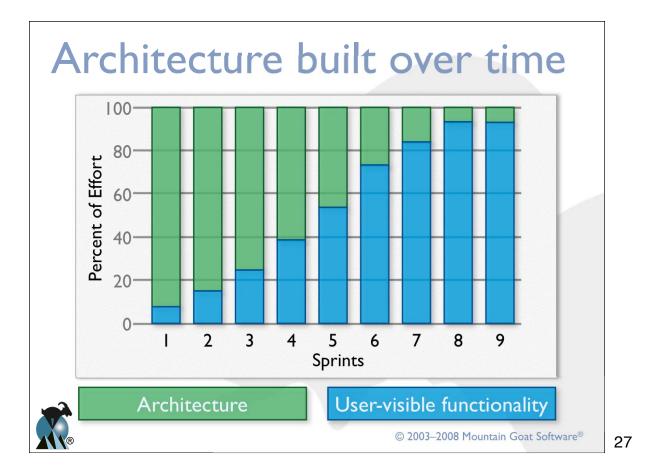
# Potentially shippable product increment

- 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

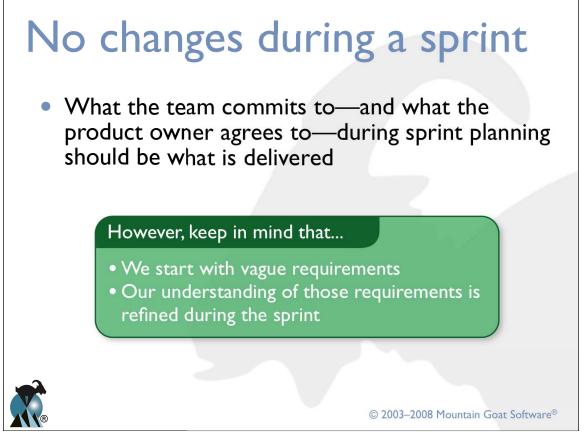












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# Abnormal terminations

- 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



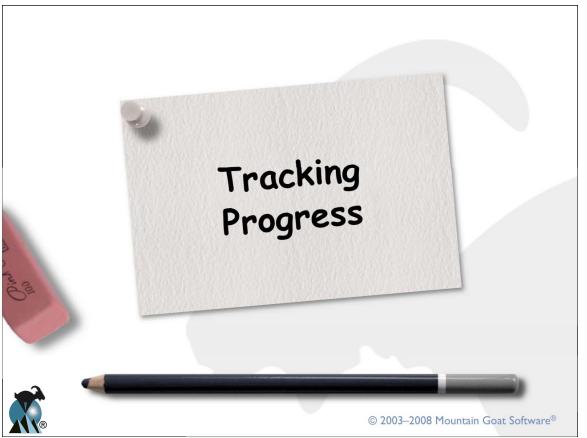




## **Release sprints**

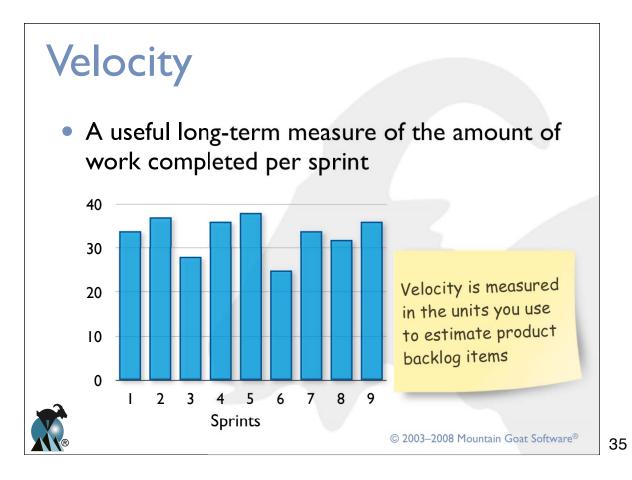
- Always target a potentially-shippable product increment
- But, some polishing can occur in a release sprint
  - MTBF testing
  - Some stress, performance or usability testing
  - Compliance
  - Documentation touchups (final screen shots)

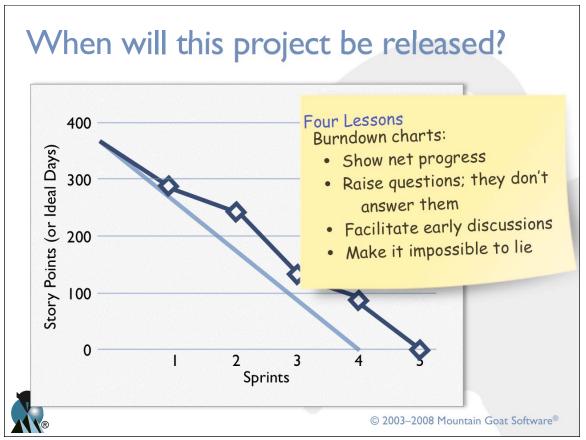


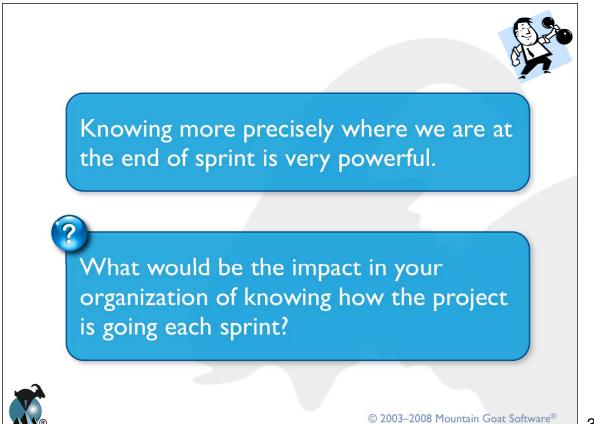


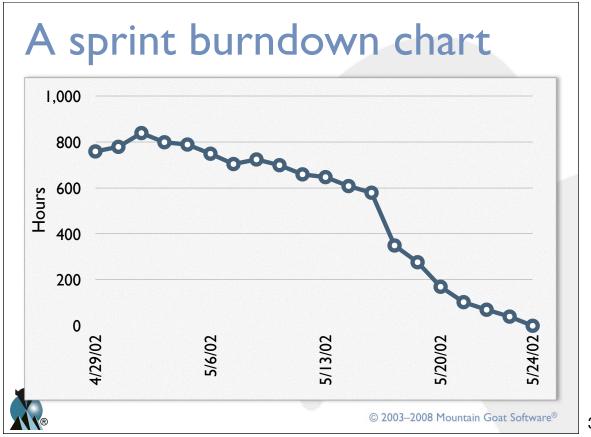
| A product backlog                                                                            |        |      |  |  |  |
|----------------------------------------------------------------------------------------------|--------|------|--|--|--|
| Story                                                                                        | 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     |      |  |  |  |

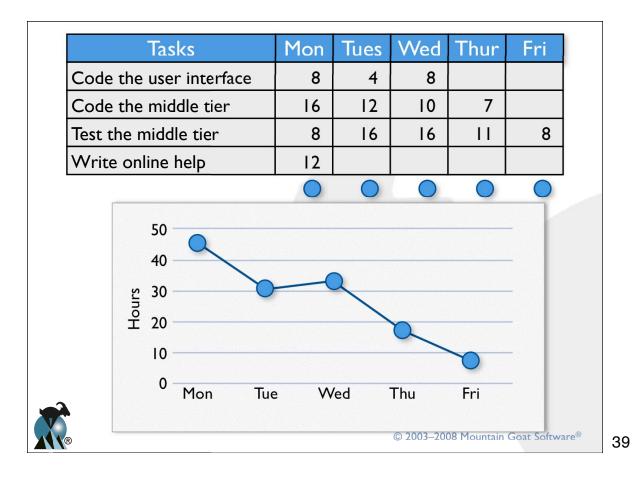


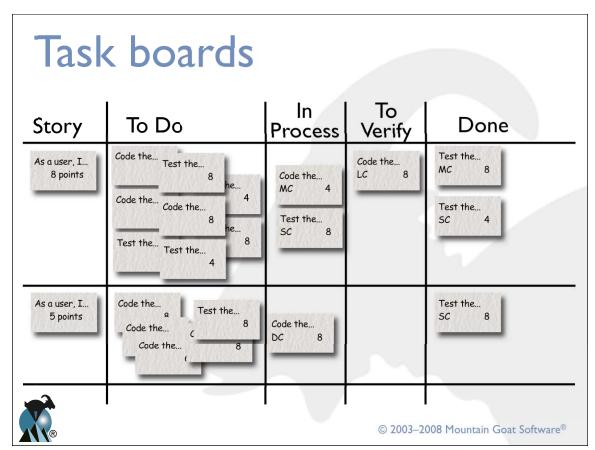


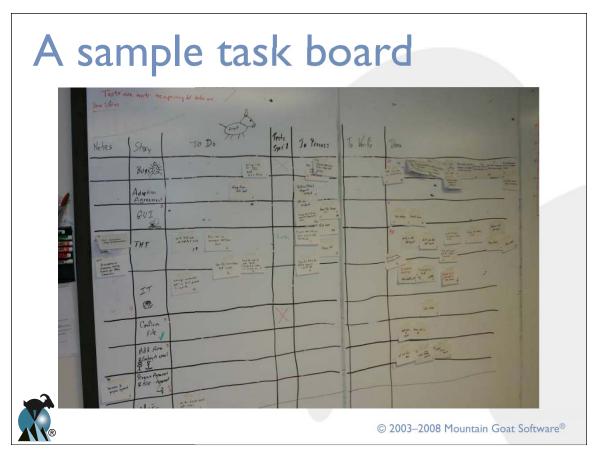


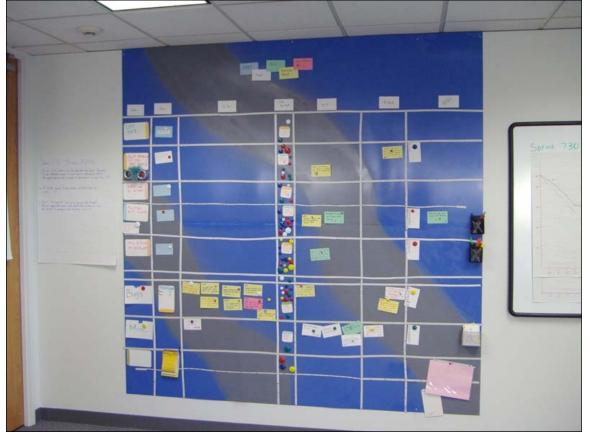








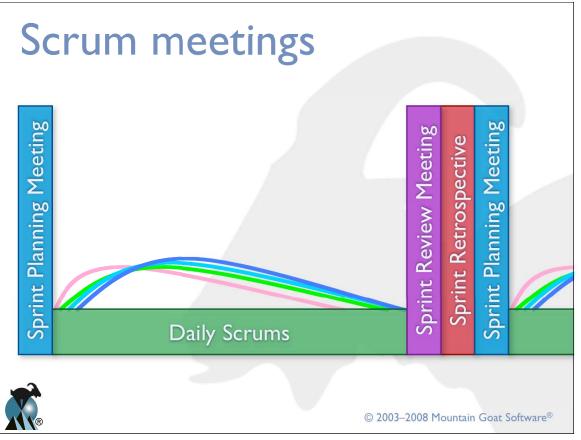


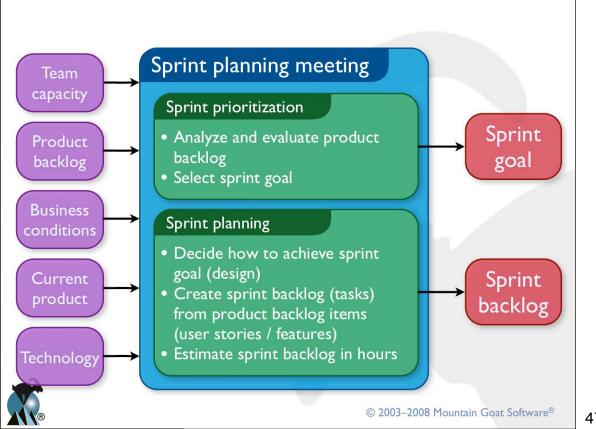


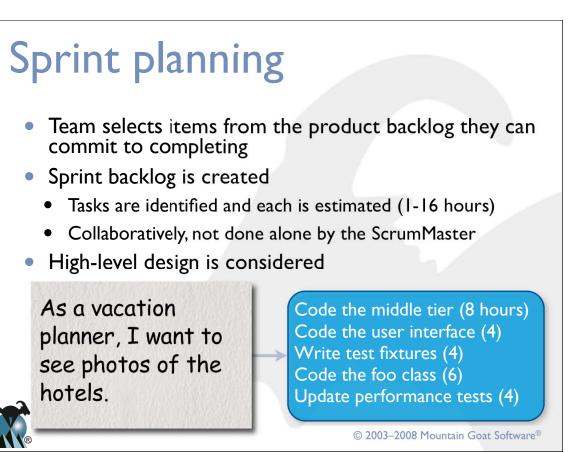
















# The sprint review

- 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



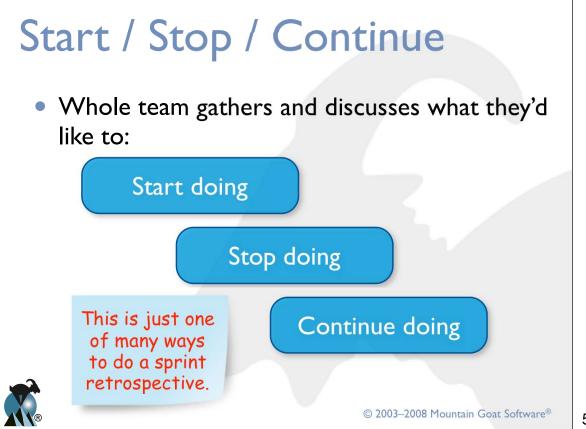
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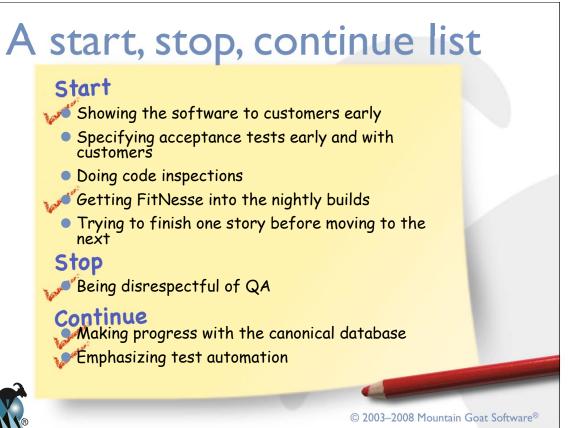
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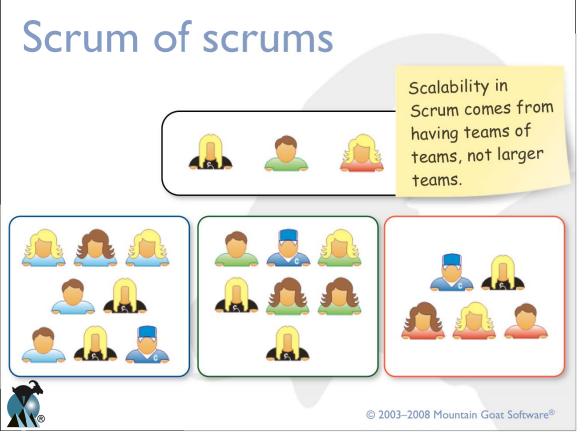
# Sprint retrospective

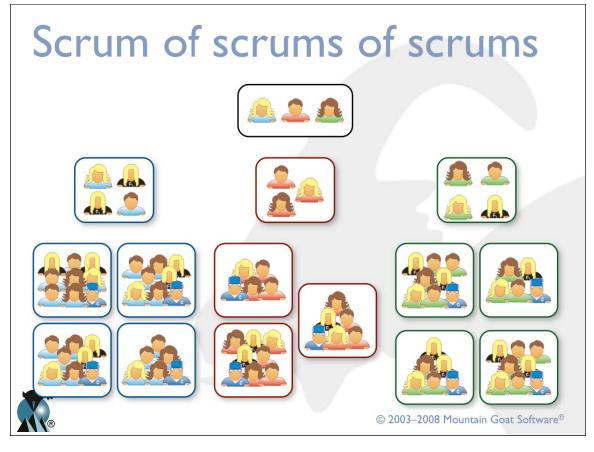
- Periodically take a look at what is and is not working
- Typically 15–30 minutes
- Done after every sprint
- Whole team participates
  - ScrumMaster
  - Product owner
  - Team
  - Possibly customers and others

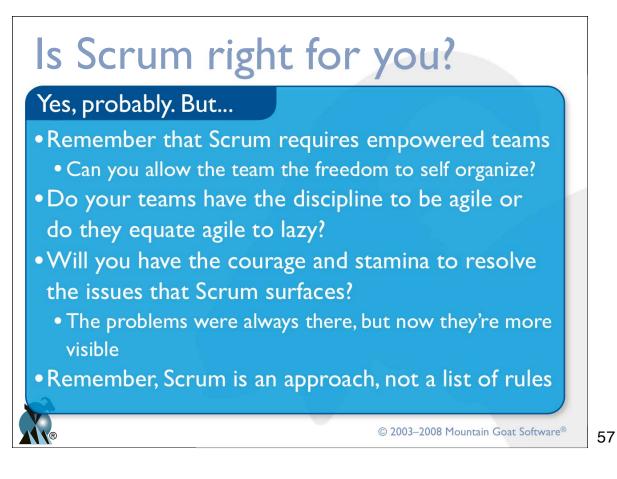












## Upcoming public classes

| Date                                                             | What                                                                             | Where        |  |  |
|------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------|--|--|
| July 29–30<br>July 3 I                                           | Certified ScrumMaster<br>Agile Estimating and Planning                           | La Jolla, CA |  |  |
| October 13<br>October 14–15<br>October 16                        | Effective User Stories<br>Certified ScrumMaster<br>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



