

Roles and responsibilities

Product owner

- Defines the features of the product
- Prioritizes features according to market value
- Makes scope/schedule tradeoff decisions
- Responsible for the profitability of the product
- Adjusts priorities as more is learned
- Accepts or rejects work results



Roles and responsibilities

ScrumMaster

- Ensures that the team is fully functional and productive
- Enables close cooperation across
 all roles and functions and removes barriers
- Shields the team from external interferences
- Ensures that the process is followed. Participates in daily scrum, sprint review, sprint retrospective and planning meetings



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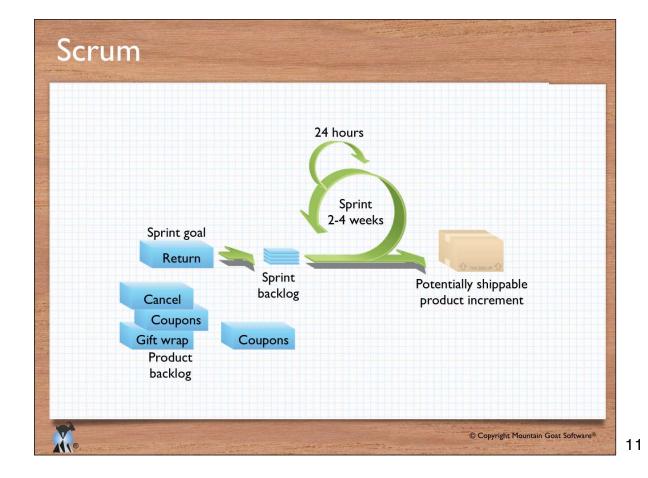
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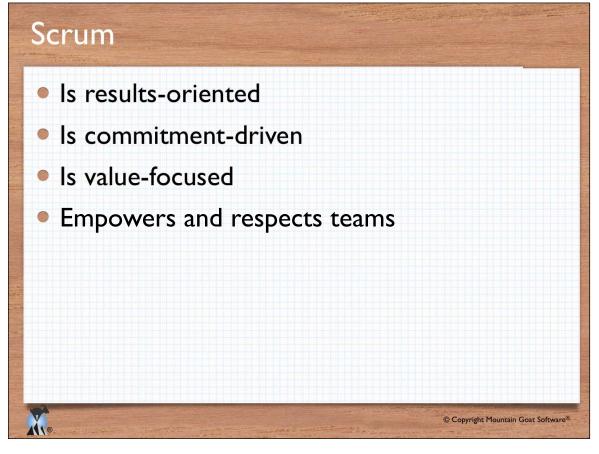
Roles and responsibilities

The team

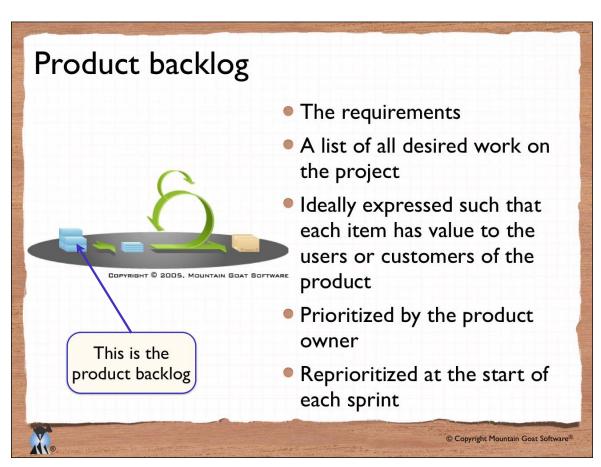
- Cross-functional, 5-9 members
- Selects the sprint backlog
- Has the right to do everything within the boundaries of the project guidelines to reach the sprint goal
- Organizes itself and its work
- Demos work results to the product owner











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 run RevPAR reports (revenue-per-available-room)	8
Improve exception handling	8
	30
	50
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User stories as backlog items

Card

- Stories are traditionally written on note cards.
- May be annotated with notes, estimates, etc.

Conversation

 Details behind the story come out during conversations with product owner

Confirmation

 Acceptance tests confirm the story was developed correctly

Nie.

Source: XP Magazine 8/30/01, Ron Jeffries.

Samples from a travel website

As a user, I want to reserve a hotel room.

As a frequent flyer, I want to rebook a past trip so that I save time booking trips I take often.

As a vacation traveler, I want to see photos of the hotels.

Use this template

"As a <user role>, I want <goal> so that <reason>."

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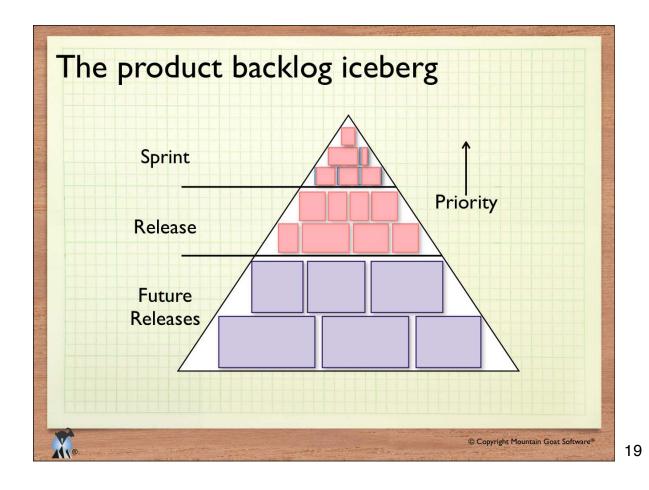
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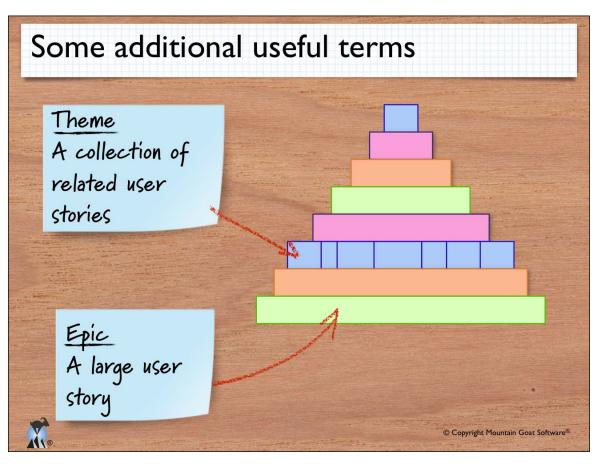
Write some user stories about things some "users" of the software development process would want.

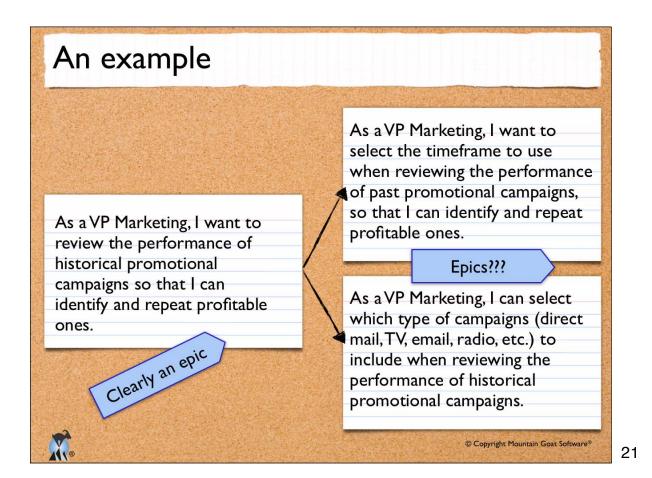
As a developer, I do not want to be forced to work excessive amounts of overtime.

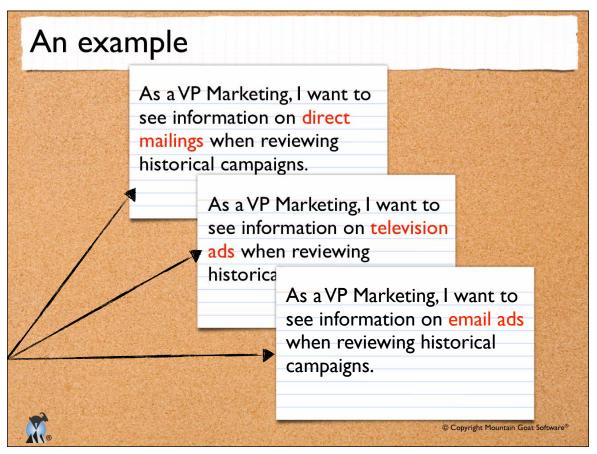
As a customer, I want a high degree of predictability of scope and date.





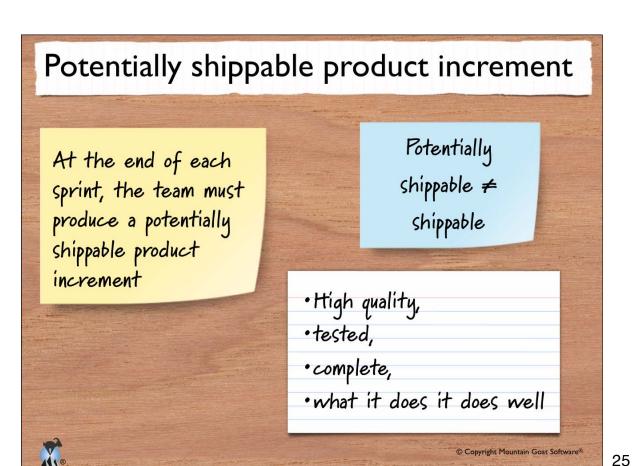


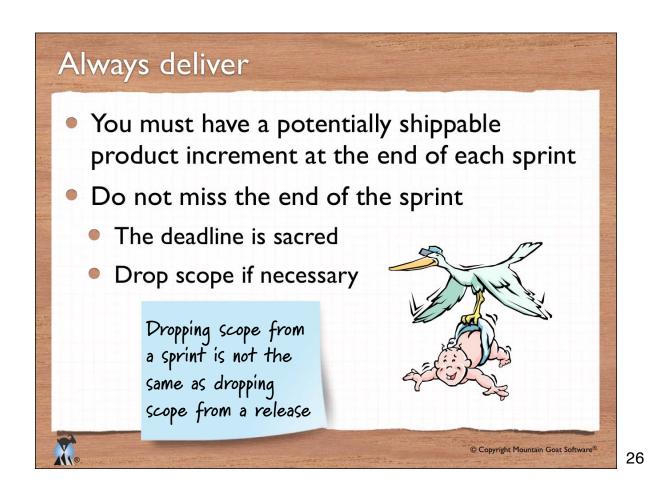


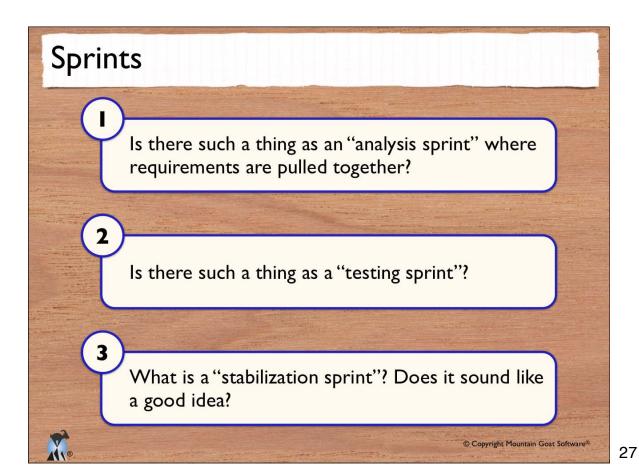


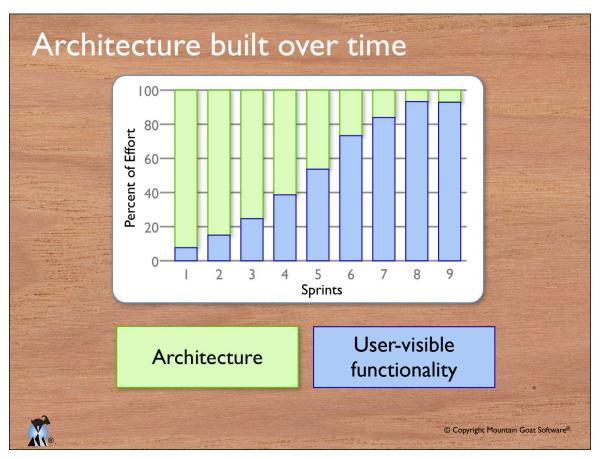


A sample sprint backlog **Tasks** Mon Tue Wed Thu Fri Code the user interface Code the middle tier Test the middle tier Π Write online help Write the foo class Add error logging © Copyright Mountain Goat Software®

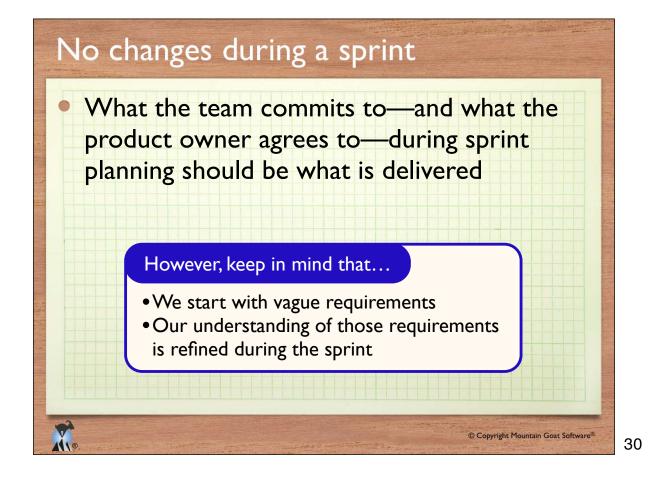


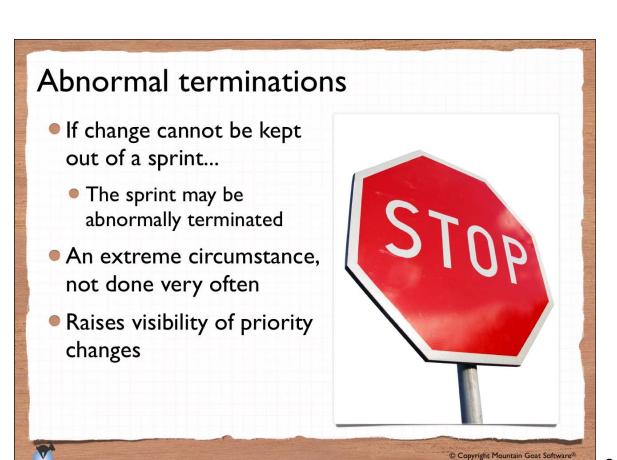












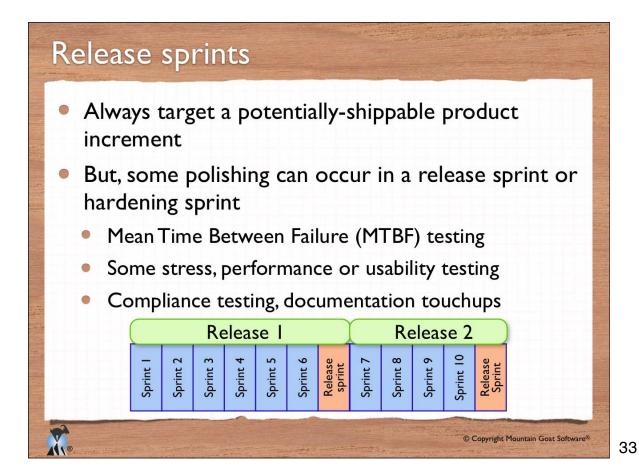
Deciding to abnormally terminate

- Team can request an abnormal termination if they feel they cannot meet the sprint goal
- Product owner makes the decision

After abnormally terminating...

- All work from the current sprint is undone
- Code reverts to where it was at the end of the prior sprint
- Next step is to plan a new sprint







A product backlog

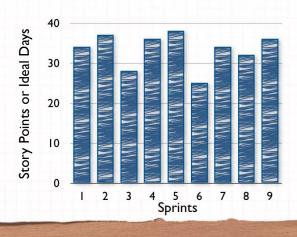
Story	Points	Done
As the site editor, I can add an article to the site.	5	V
As a site visitor, I want to read a new article on the front page about once a week.	5	~
As the site editor, I can include a teaser with each article.	3	
As a site member who has read a teaser on the front page, I want to read 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	

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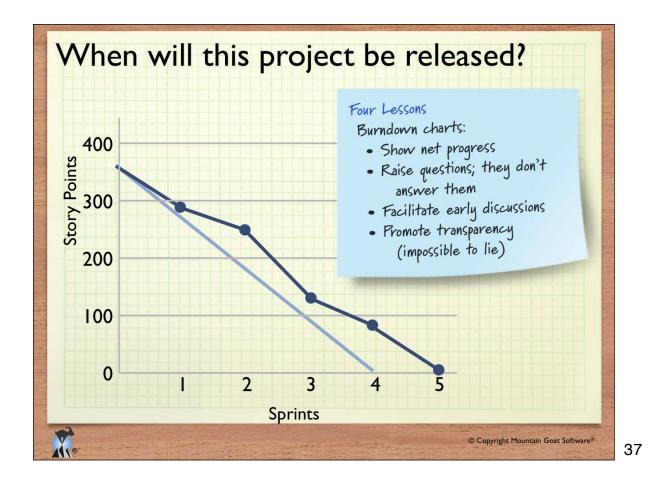
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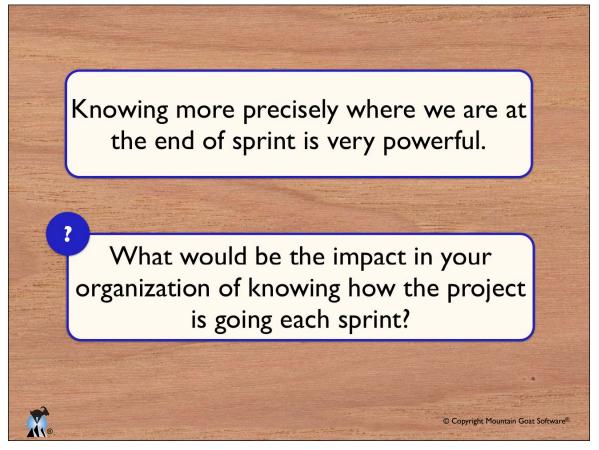
Velocity

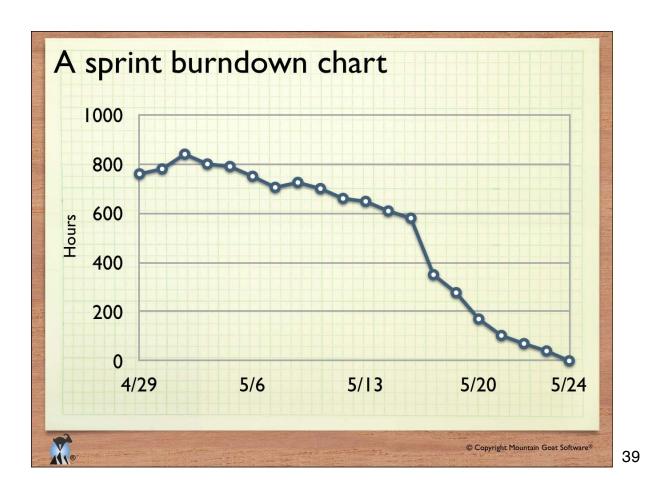
- A useful long-term measure of the amount of work completed per sprint
- Most useful over at least a handful of sprints

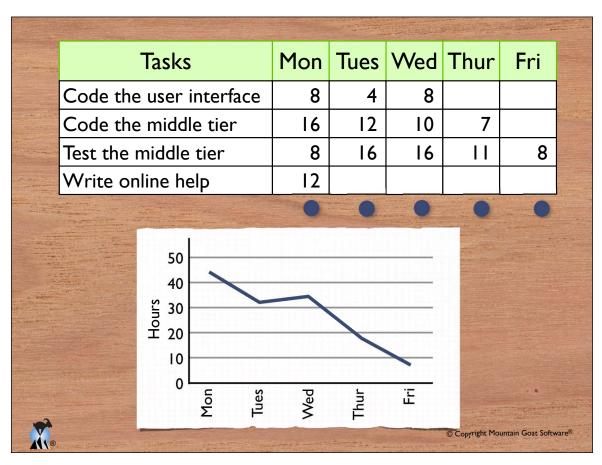


Velocity is measured in the units you use to estimate product backlog items







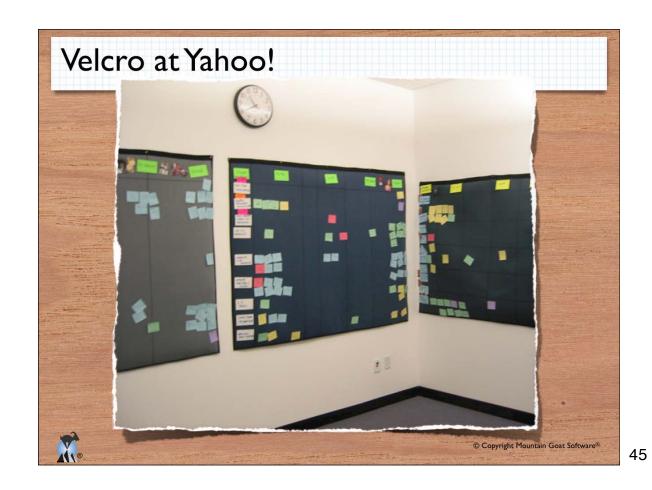


Task boards							
Story	То Do	In Process	Done				
As a user, I	Code the Design a Test the Figure out how	MC SC					
As a novice user, I 8	Code the Design a Test the 8	DC					

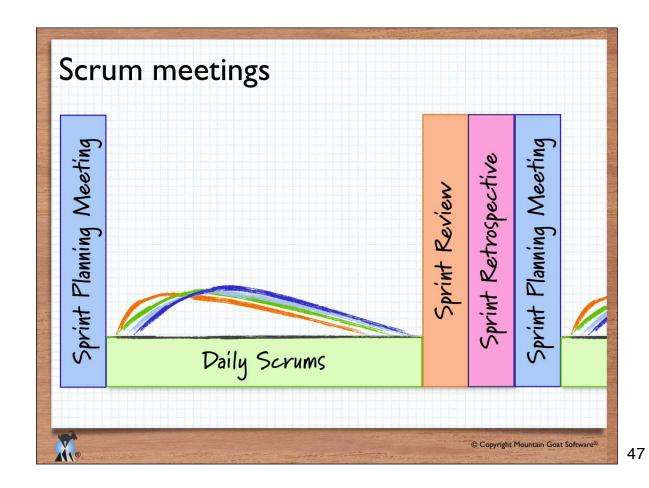


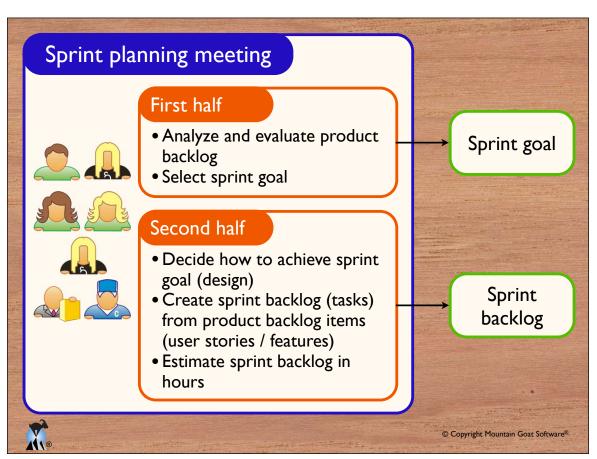












Sprint planning

- Team selects items from the product backlog they can commit to completing
- Sprint backlog is created
 - Tasks are identified and each is estimated (1-16 hours)
 - Collaboratively, not done alone by the ScrumMaster
- High-level design is considered

As a vacation planner, I want to see photos of the hotels.

Code the middle tier (8 hours)
Code the user interface (4)
Write test fixtures (4)
Code the foo class (6)
Update performance tests (4)

X

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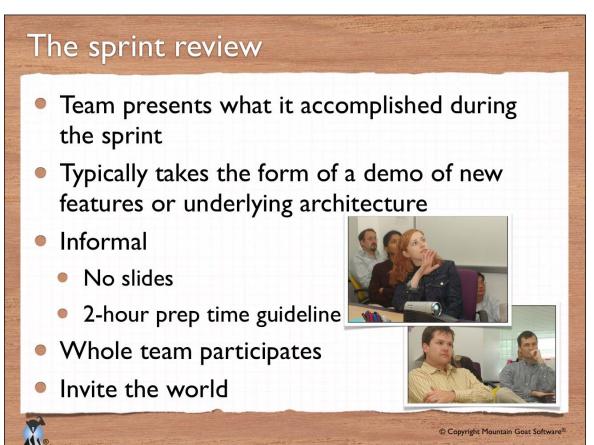
The daily scrum

- Parameters
 - Daily
 - 15-minutes
 - Stand-up
- Not for problem solving
 - Whole world is invited
 - Only team members, ScrumMaster, product owner, can talk
- Helps avoid other unnecessary meetings



TASKS PROCRESS TEST DONE

I. What did you do yesterday? 2. What will you do today? 3. What, if anything, is in your way? These are not status for the ScrumMaster They are commitments in front of peers



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Sprint retrospective

- Periodically take a look at what is and is not working
- Typically 30–60 minutes
- Done after every sprint
- Whole team participates
 - ScrumMaster
 - Product owner
 - Team



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Start / Stop / Continue

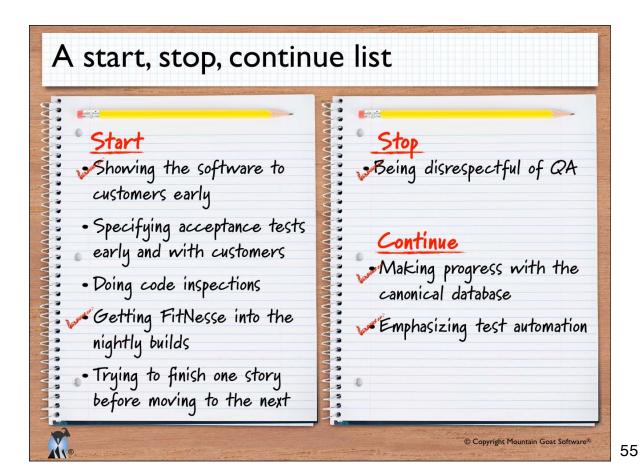
• Whole team gathers and discusses what they'd like to:

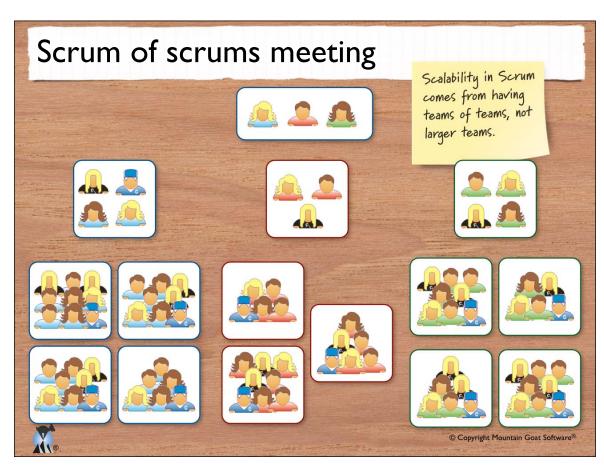
Start doing

Stop doing

This is just one of many ways to do a sprint retrospective.

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Is Scrum right for you?

Yes, probably...

- But remember that Scrum requires empowered teams
 - Can you allow the team the freedom to self organize?
- Do your teams have the discipline to be agile or do they equate agile to lazy?
- Will you have the courage and stamina to resolve the issues that Scrum surfaces?
 - The problems were always there, but now they're more visible
- Remember, Scrum is an approach, not a list of rules



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Upcoming public classes

Date	What	Where
July 19–20 July 21–22	Certified ScrumMaster Certified Scrum Product Owner	Orlando
August 23–24 August 25–26	Certified ScrumMaster Succeeding with Agile	Dallas
September 13–14 September 15–16	Certified ScrumMaster Certified Scrum Product Owner	Cupertino
October 11 October 12–13 October 14	User Stories for Agile Requirements Certified ScrumMaster Agile Estimating & Planning	Boulder
November 8–9 November 10–11	Certified ScrumMaster Succeeding with Agile	San Diego



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