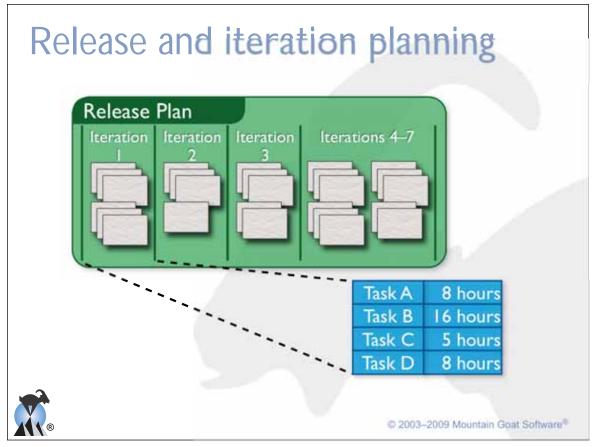


Mike Cohn - background Agile coach and trainer O Founding member and ser Stories director of Agile Alliance and Scrum Alliance O Founder of Mountain Agile Estimating Goat Software and Planning O Ran my first Scrum project back in 1995 O Typical programmer to manager etc. progression Mike Cohn © 2003–2009 Mountain Goat Software®



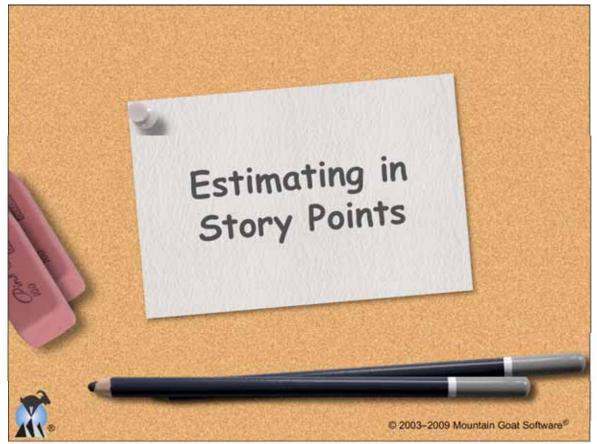


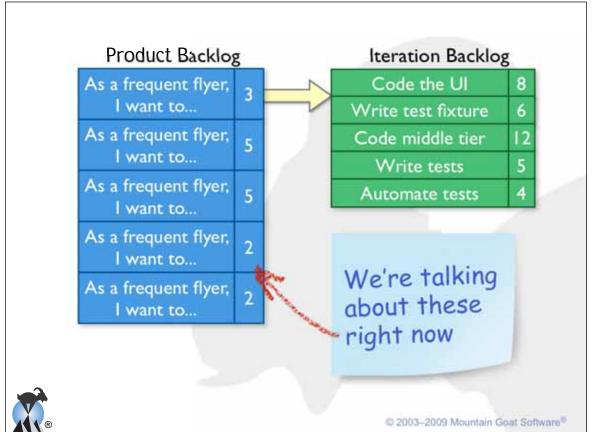


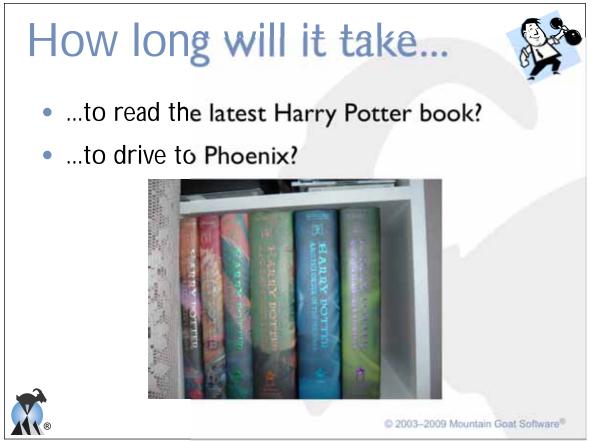


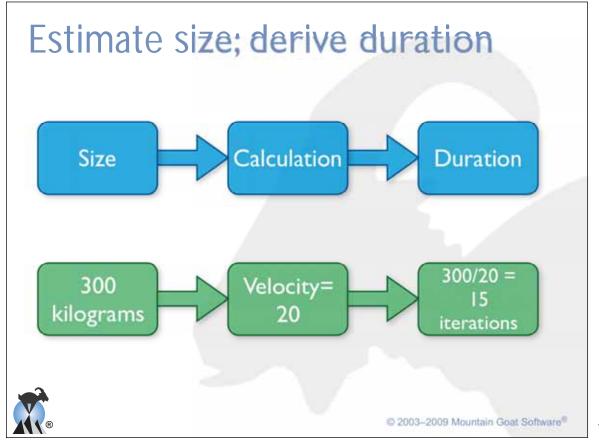


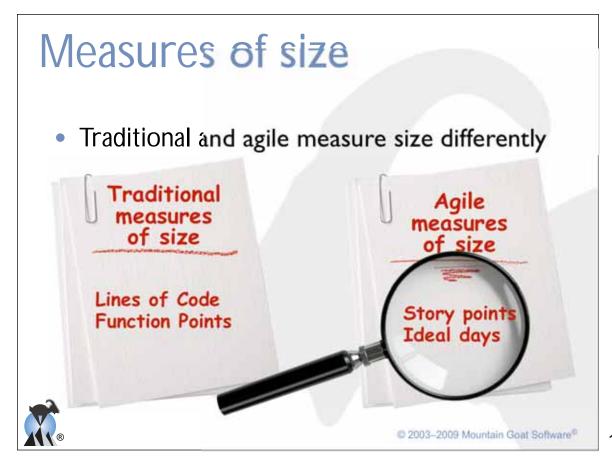




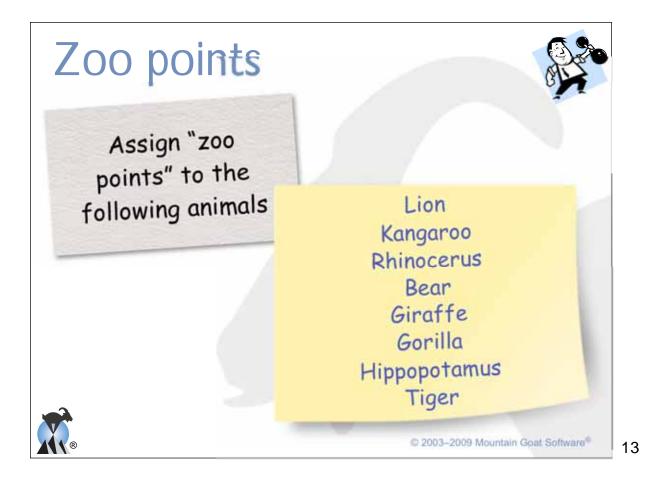




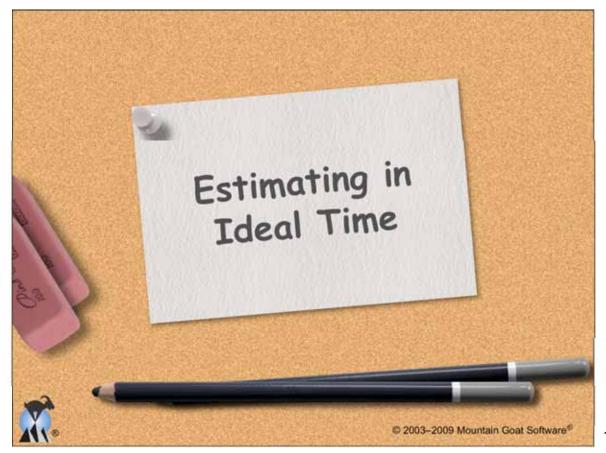




Story points As a user, I want to be able • The "bigness" of a task to have some but not all Influenced by items in my cart gift • How hard it is wrapped. 8 How much there is Relative values are what is important. • A login screen is a 2. • A search feature is an 8. Points are unit-less Basic math properties should hold, e.g., 5+5 = 10 © 2003–2009 Mountain Goat Software®



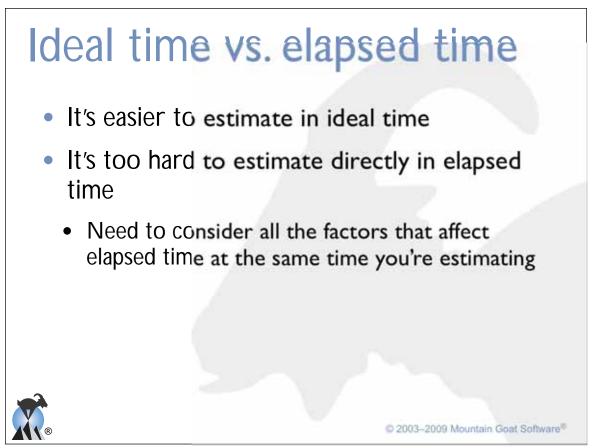
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Ideal time

- How long something would take if
 - it's all you worked on
 - you had no interruptions
 - and everything you need is available
- The ideal time of a football game is 60 minutes
 - Four 15-minute quarters
- The elapsed time is much longer (3+ hours)

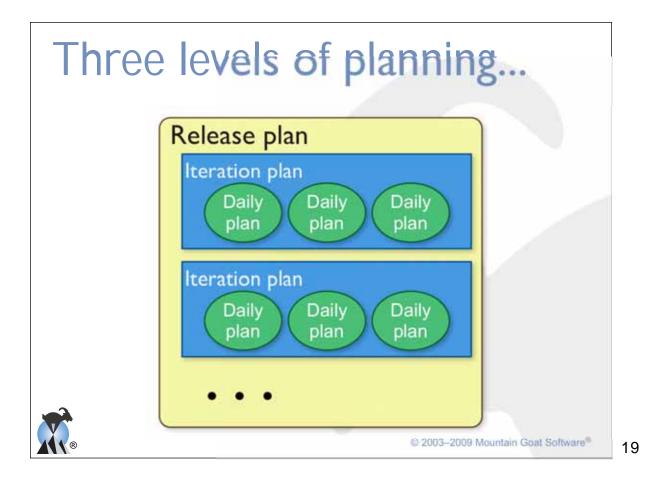


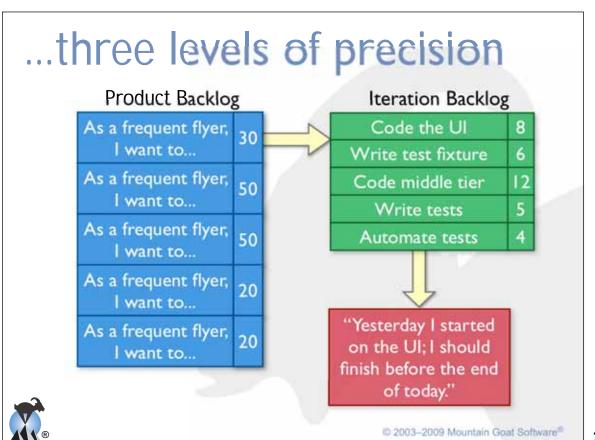


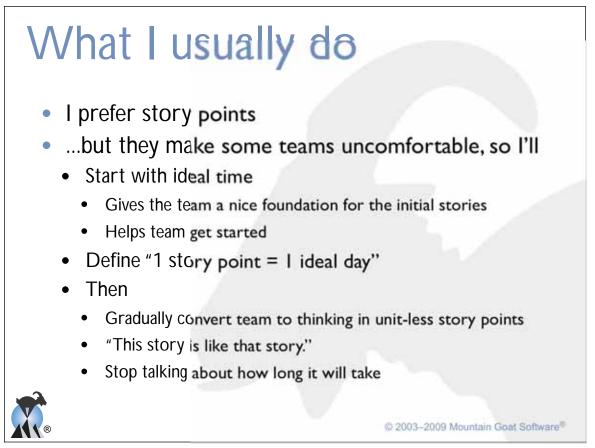
Comparing the approaches

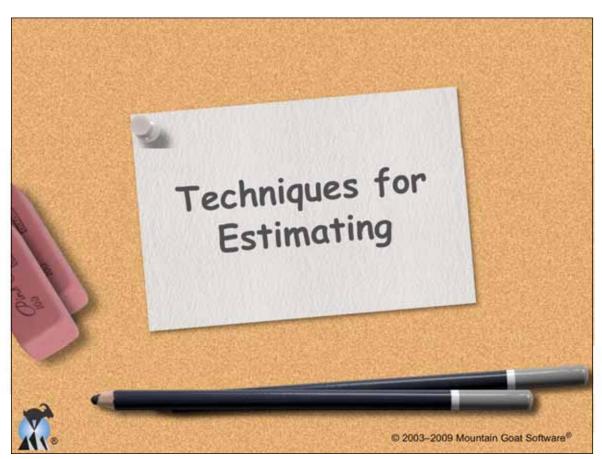
- Story points help drive cross-functional behavior
- Story point estimates do not decay
- Story points are a pure measure of size
- Estimating in story points is typically faster
- My ideal days cannot be added to your ideal days
- Ideal days are easier to explain outside the team
- Ideal days are easier to estimate at first

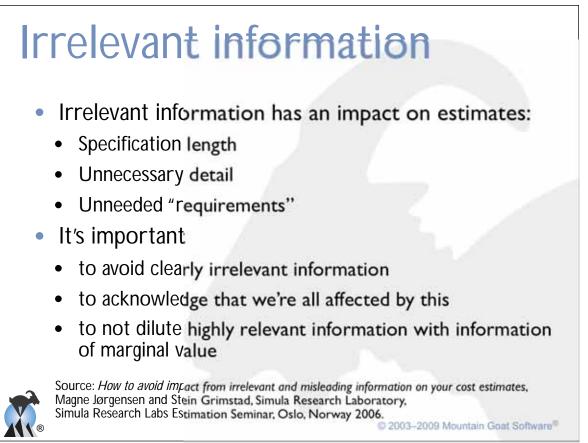




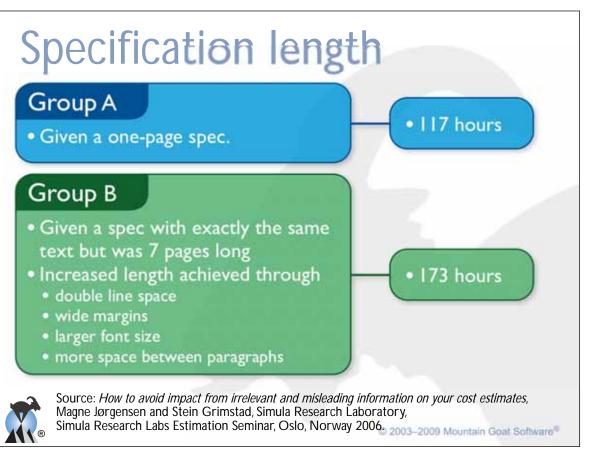


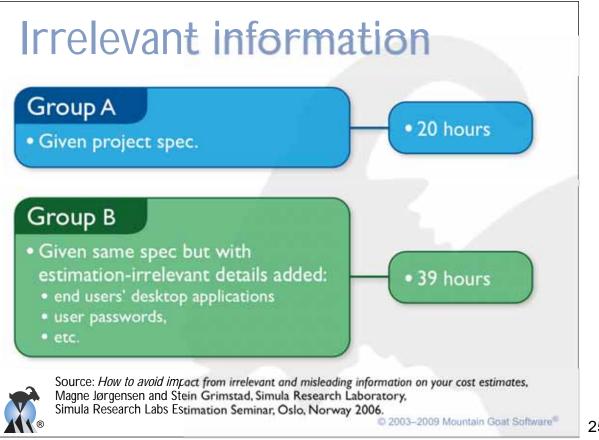


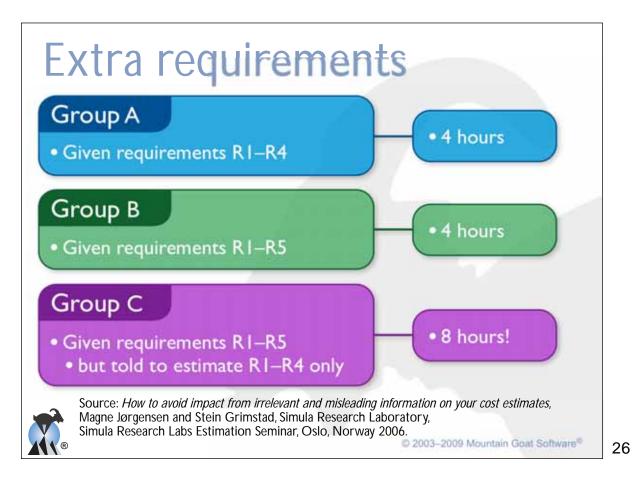


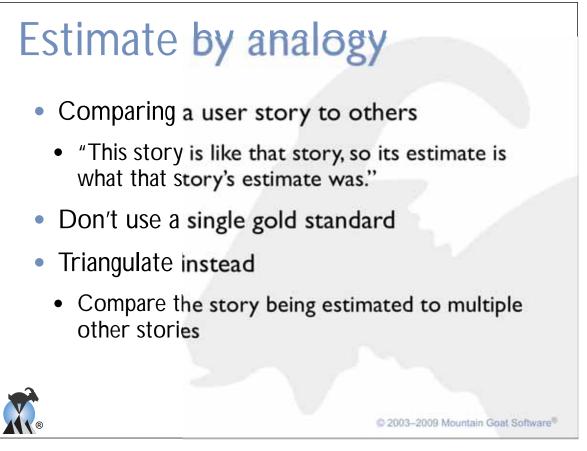


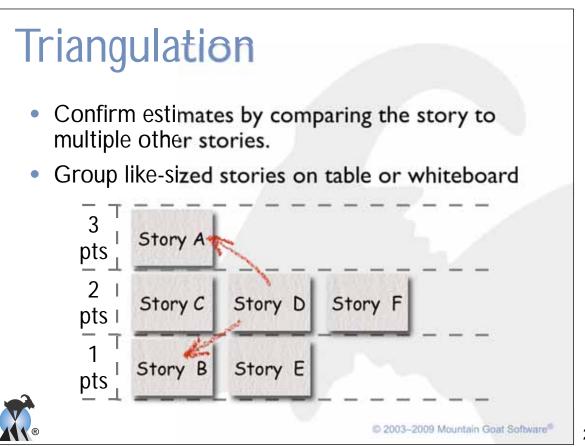






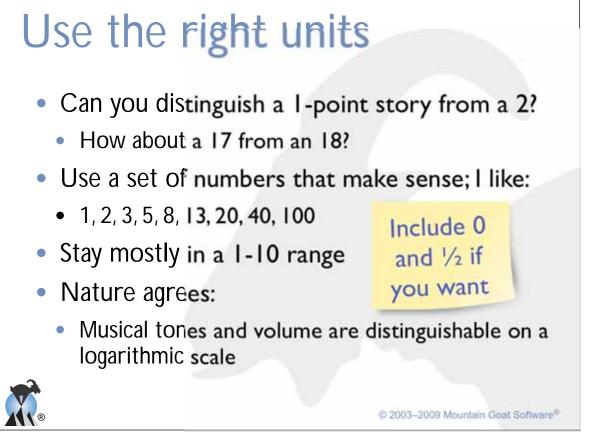








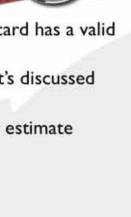




Planning poker

- An iterative approach to estimating
- Steps
 - Each estimator is given a deck of cards, each card has a valid estimate written on it
 - Customer/Product owner reads a story and it's discussed briefly
 - Each estimator selects a card that's his or her estimate
 - Cards are turned over so all can see them
 - Discuss differences (especially outliers)
 - Re-estimate until estimates converge





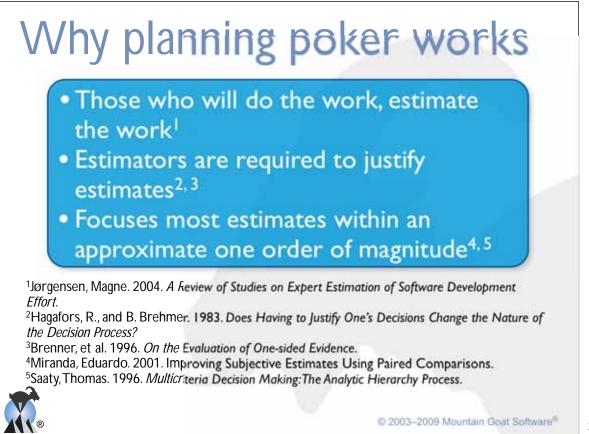
| Planning pe | oker - al | n exam | ple | |
|-------------|-----------|----------|-----------------------|--------|
| | 20 | | | |
| | Estimator | Round I | Round 2 | |
| | Susan | 3 | 5 | 1 |
| | Vadim | 8 | 5 |] |
| | Ann | 2 | 5 | |
| * | Chris | 5 | 8 | |
| R. | | © 2003-2 | 009 Mountain Goat Sof | tware® |

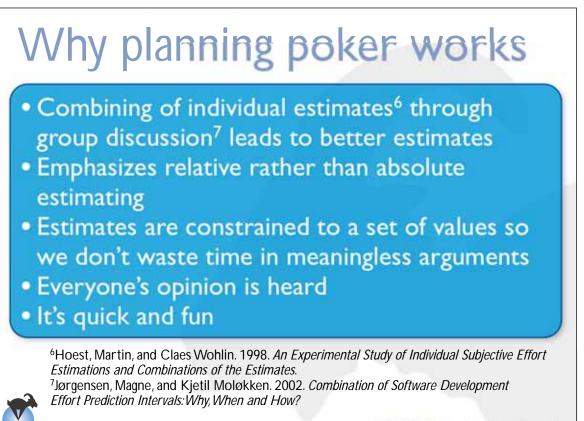
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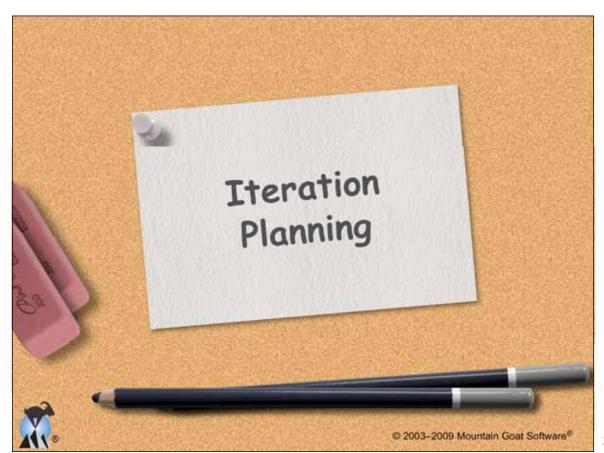
| Product backlog item | Estimate |
|---|----------|
| Read a high-level, 10-page overview of agile software levelopment in <i>People</i> magazine. | |
| Read a densely written 5-page research paper about agile oftware development in an academic journal. | |
| Vrite the product backlog for a simple eCommerce site hat sells only clocks. | |
| Recruit, interview, and hire a new member for your team. | |
| Create a 60-minute presentation about agile software levelopment for your coworkers. | |
| Wash and wax your boss' Porsche. | |
| Read a 150-page book on agile software development. | |
| Write an 8-page summary of this conference for your boss. | |

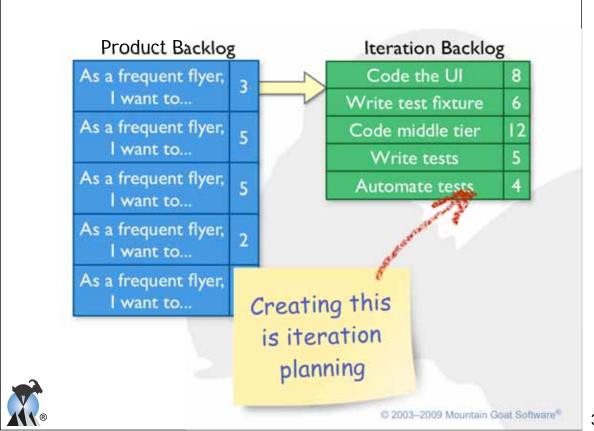




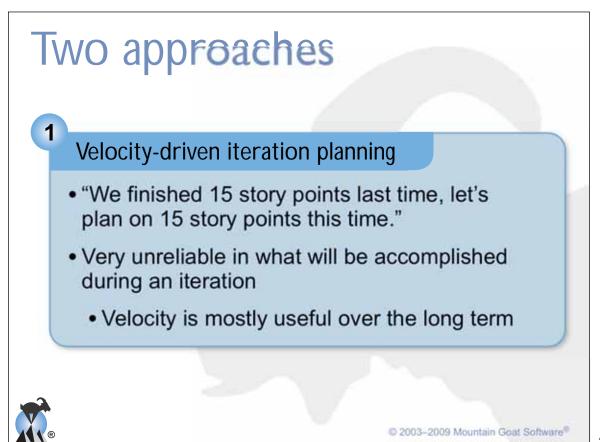


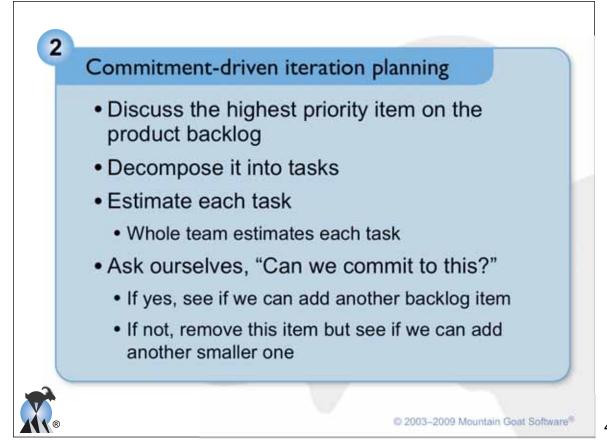
| www.pla | nningpoker.c | om | |
|--------------------------------------|---|---|----|
| Free, or I wouldn't mention it | Payroll tryphere replacement [Planning Planning Image: Contract of the replacement of the replac | Contract of the second | |
| | | | 37 |







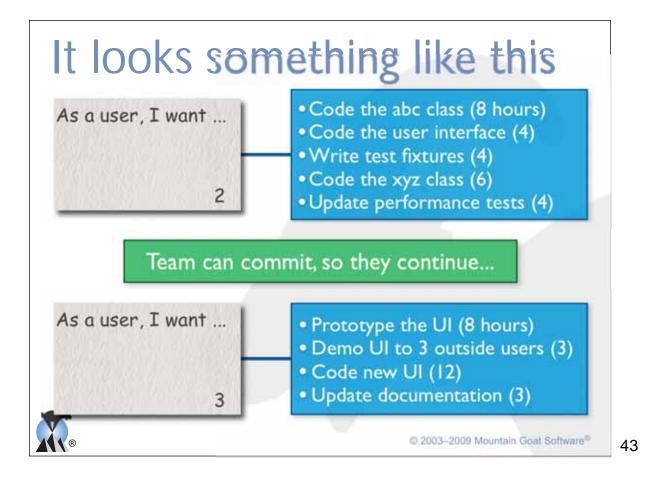


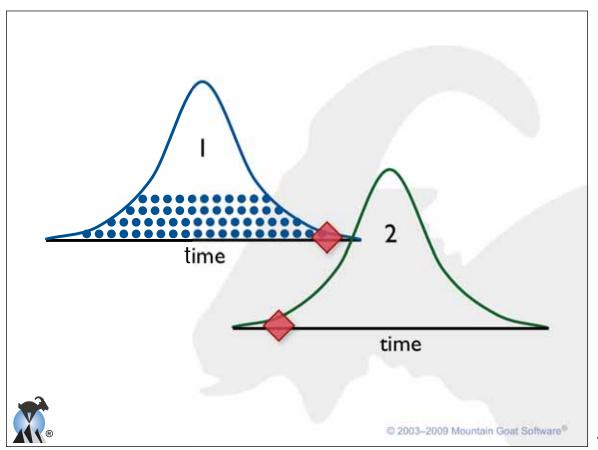


Estimate availability

| Person | Hours per Day | Hours per Iteration |
|--------|------------------|------------------------|
| Sergey | 4-6 | 40-60 |
| Yuri | 5-7 | 50-70 |
| Carina | 2-3 | 20-30 |
| Т | otal | 110-160 |







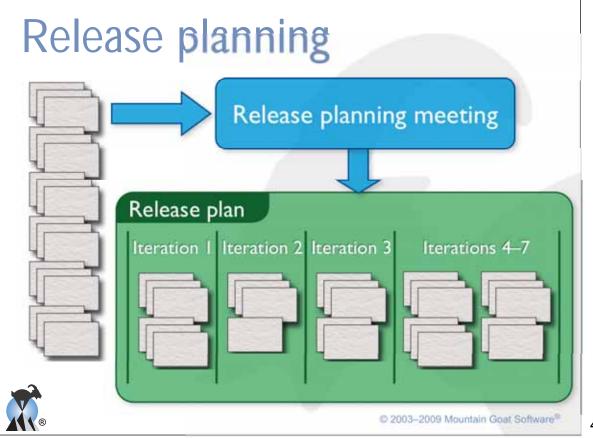
A caution

- The purpose of the iteration planning meeting is to arrive at a commitment to an iteration goal or set of product backlog items.
- The purpose of the meeting is not to come up with a list of tasks and hours.
- The tasks and estimates are a tool for determining what we can commit to.



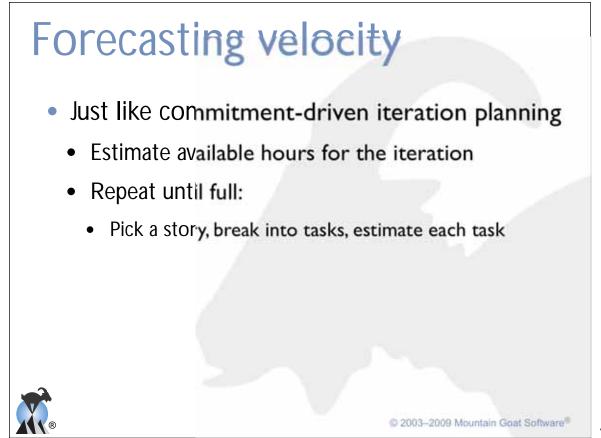


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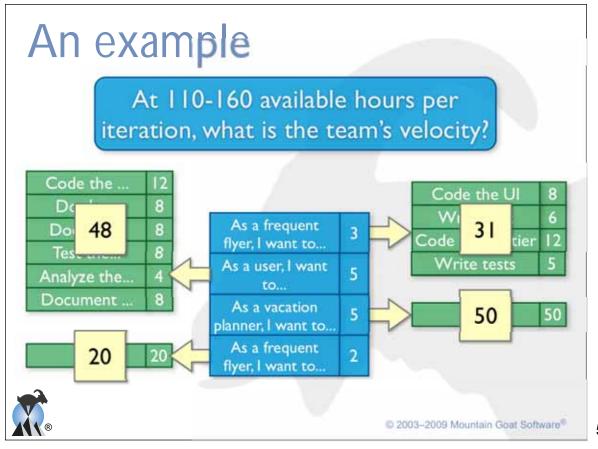
Velocity To do a release plan, you need to know or have an estimate of velocity Three ways to get velocity: Use historical averages Run 1-2 iterations and see what you get Forecast it Should be expressed as a range Size of range depends on familiarity of team, domain, and technologies





| Estimating ava | ilable hours | |
|----------------|------------------|------------------------|
| Person | Hours per Day | Hours per Iteration |
| Sergey | 4-6 | 40-60 |
| Yuri | 5-7 | 50-70 |
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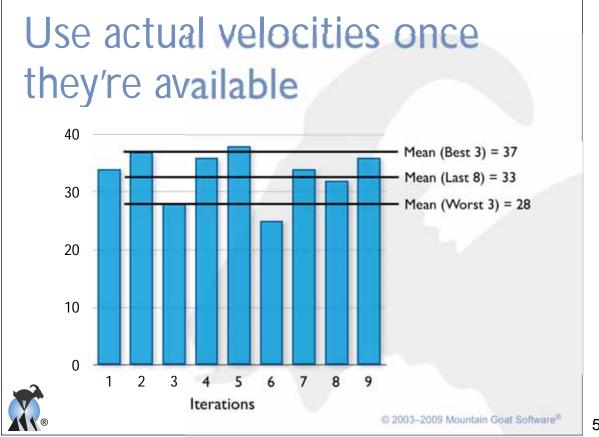


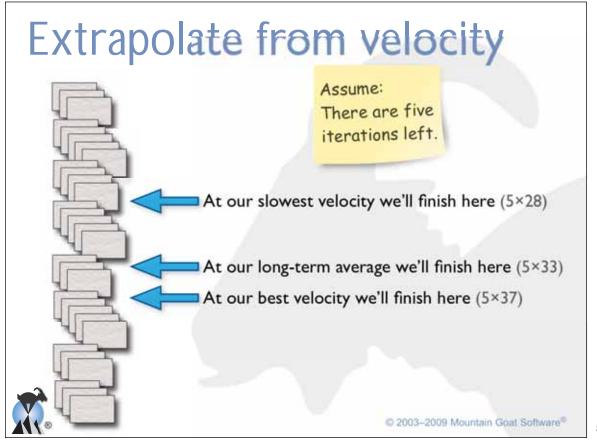


Updating the release plan

- Revisit the release plan at the end of every iteration
- Update it based on:
 - Current understanding of velocity
 - Current prioritization of the product backlog
- This should be a very short and sweet process







| Date | What | Where |
|---------------------------|--|--|
| Sep 14–15 Sep 16–17 | Certified ScrumMaster Certified Scrum Product Owner (Both with Ken Schwaber) | La Jolla, CA |
| Nov 2 Nov 3–4 Nov 5 | Effective User Stories Certified ScrumMaster Agile Estimating and Planning | San Jose, CA |
| | goatsoftware.com | are also d in London, d Stockholm. |

