



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)



Ideal time vs. elapsed time

- It's easier to estimate in ideal time
- It's too hard to estimate directly in elapsed time
 - Need to consider all the factors that affect elapsed time at the same time you're estimating



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Comparing the approaches

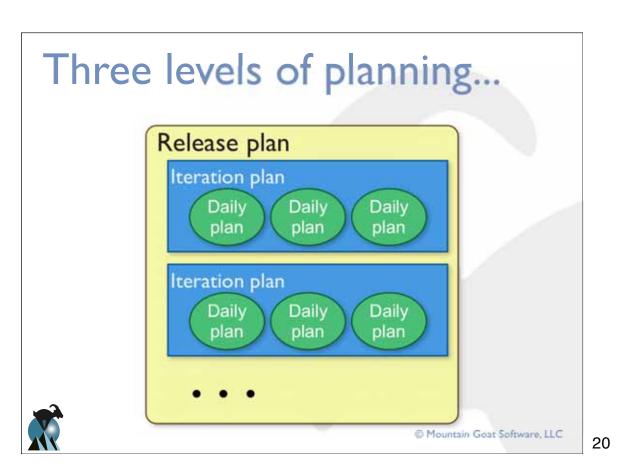
- Story points help drive cross-functional behavior
- Story point estimates do not decay
- Story points are a pure measure of size
- Estimating in story points is typically faster
- My ideal days cannot be added to your ideal days
- Ideal days are easier to explain outside the team

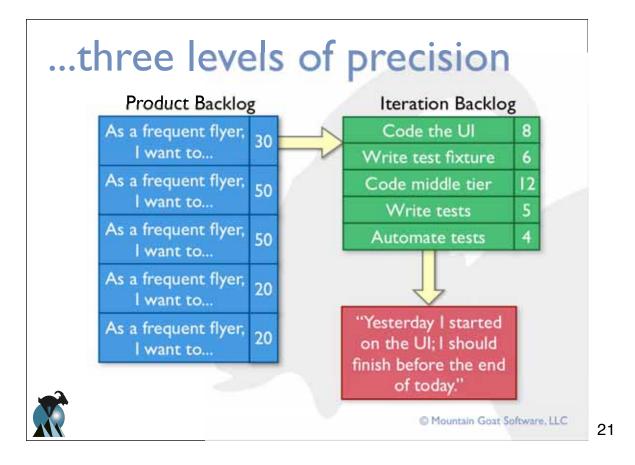
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19

Ideal days are easier to estimate at first



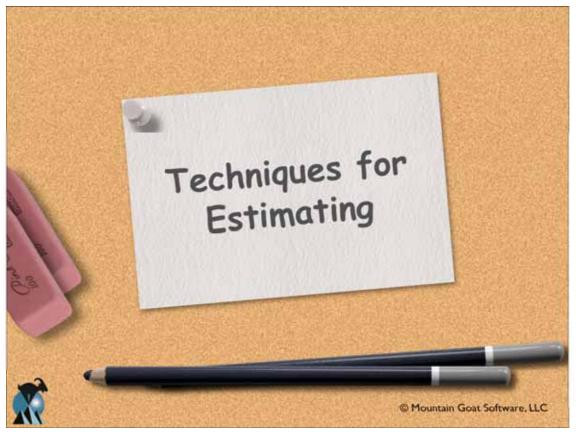




What I usually do

- I prefer story points
- ...but they make some teams uncomfortable, so I'll
 - Start with ideal time
 - Gives the team a nice foundation for the initial stories
 - Helps team get started
 - Define "I story point = I ideal day"
 - Then
 - Gradually convert team to thinking in unit-less story points
 - "This story is like that story."
 - Stop talking about how long it will take



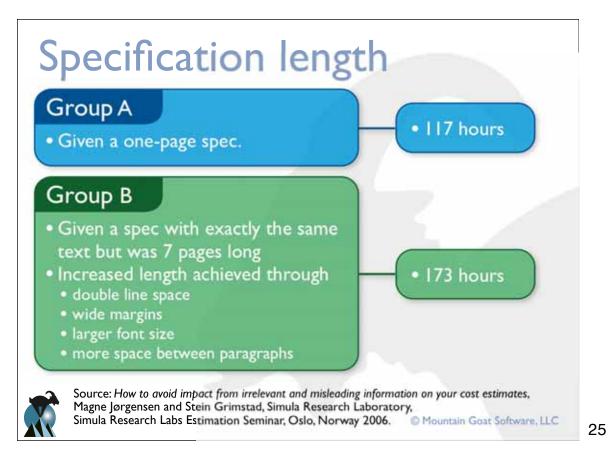


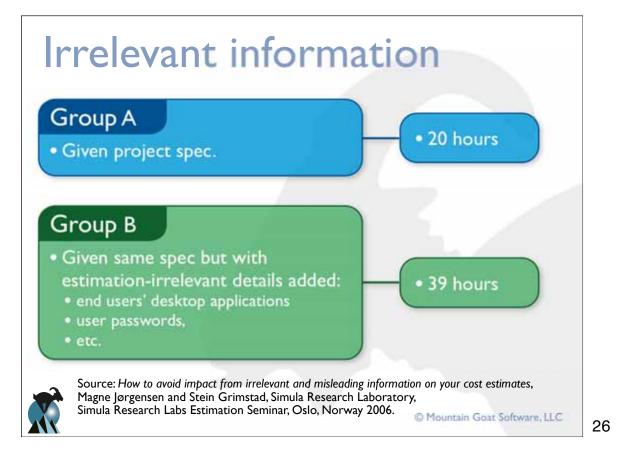
Irrelevant information

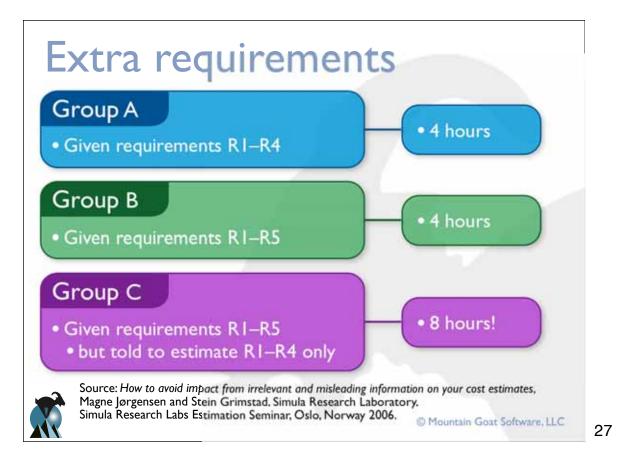
- Irrelevant information has an impact on estimates:
 - Specification length
 - Unnecessary detail
 - Unneeded "requirements"
- It's important
 - to avoid clearly irrelevant information
 - to acknowledge that we're all affected by this
 - to not dilute highly relevant information with information of marginal value

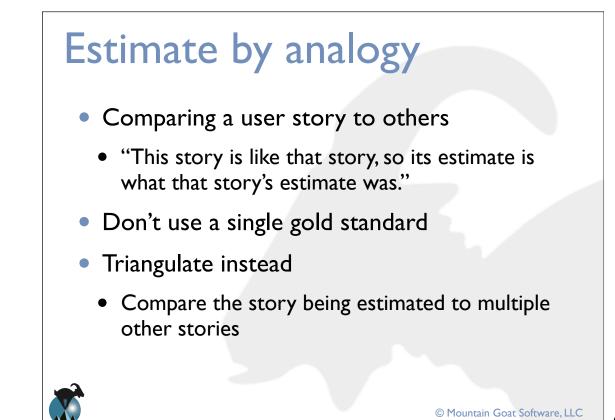


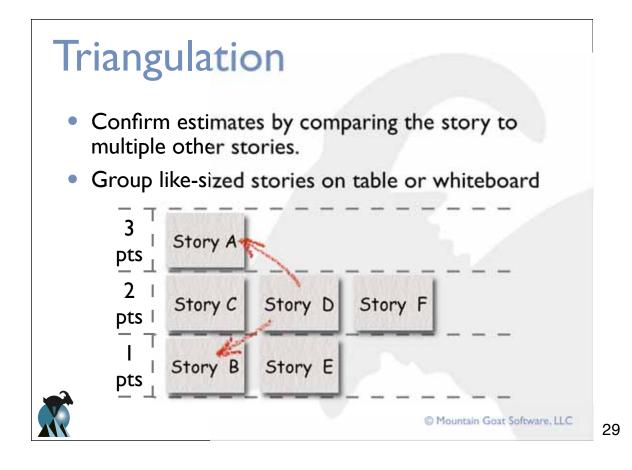
Source: How to avoid impact from irrelevant and misleading information on your cost estimates, Magne Jørgensen and Stein Grimstad, Simula Research Laboratory, Simula Research Labs Estimation Seminar, Oslo, Norway 2006. 23



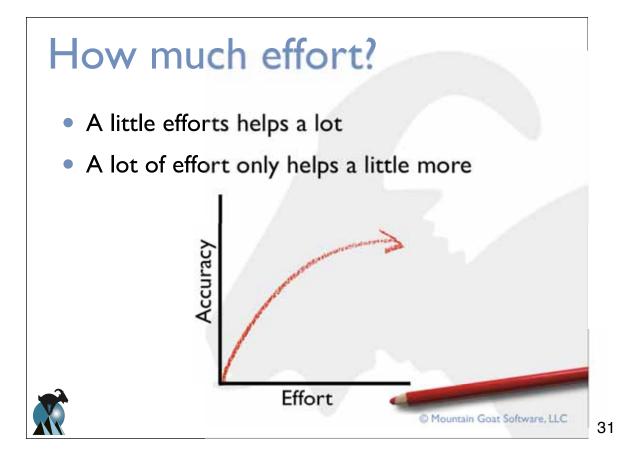


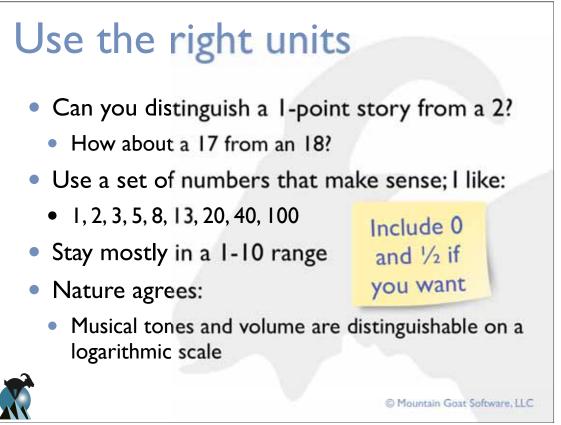








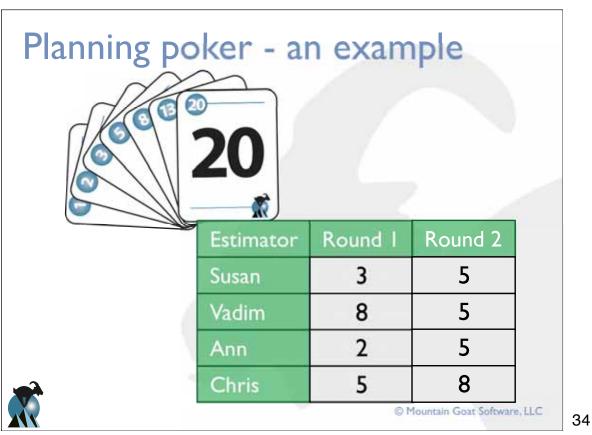




Planning poker

- 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

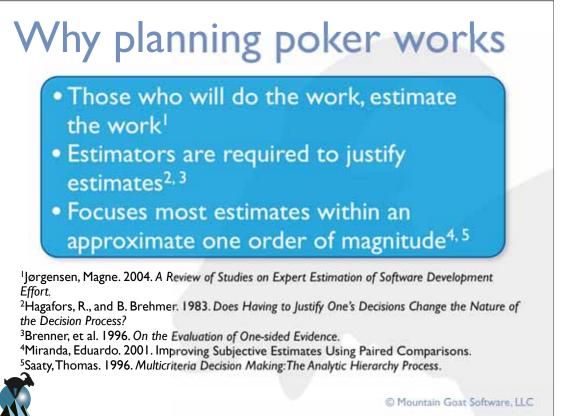






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Product backlog item	Estimate
Read a high-level, 10-page overview of agile software development in <i>Peopl</i> e magazine.	
Read a densely written 5-page research paper about agile software development in an academic journal.	
Write the product backlog for a simple eCommerce site that sells only clocks.	
Recruit, interview, and hire a new member for your team.	
Create a 60-minute presentation about agile software development 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.	

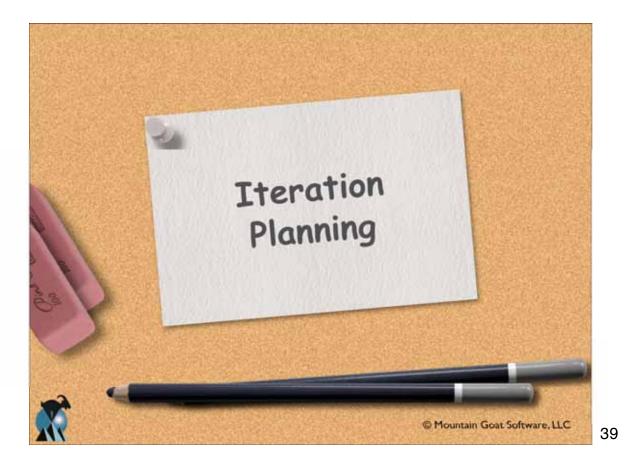


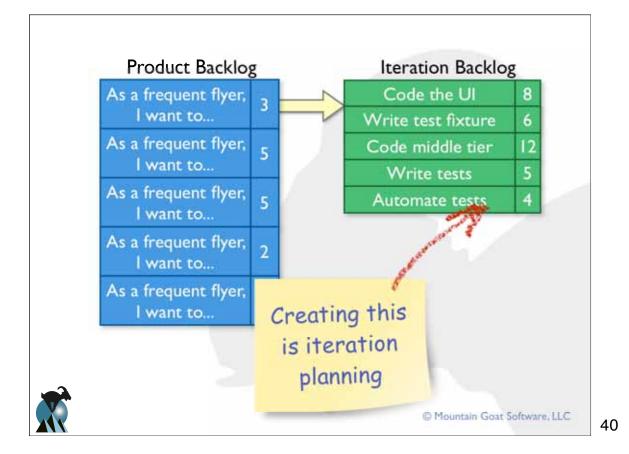
<section-header> Why planning poker works Some individual estimates⁶ through group discussion⁷ leads to better estimates Emphasizes relative rather than absolute estimating Stimates are constrained to a set of values so we don't waste time in meaningless arguments Everyone's opinion is heard to quick and fun ^{Abster} Artin, and Class Wohlin. 1988. An Experimental Study of Individual Subjective Effort Extensions on the Estimates. ^{Appensen}, Magne, and Kjetil Molokken. 2002. Combination of Software Development Effort Prediction Intervals: Why, When and How?

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37







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Commitment-driven iteration planning

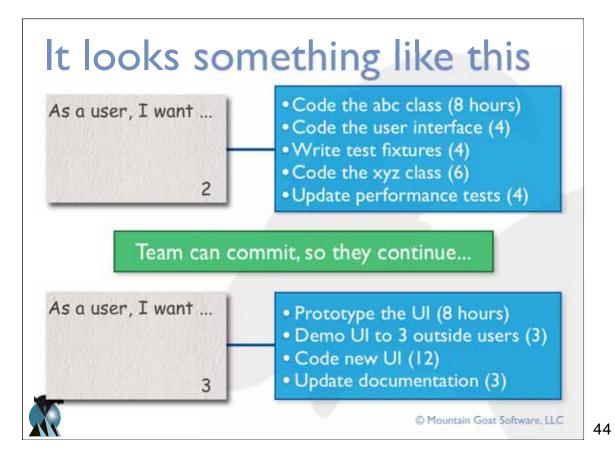
- Discuss the highest priority item on the product backlog
- Decompose it into tasks
- Estimate each task
 - Whole team estimates each task
- Ask ourselves, "Can we commit to this?"
 - If yes, see if we can add another backlog item
 - If not, remove this item but see if we can add another smaller one

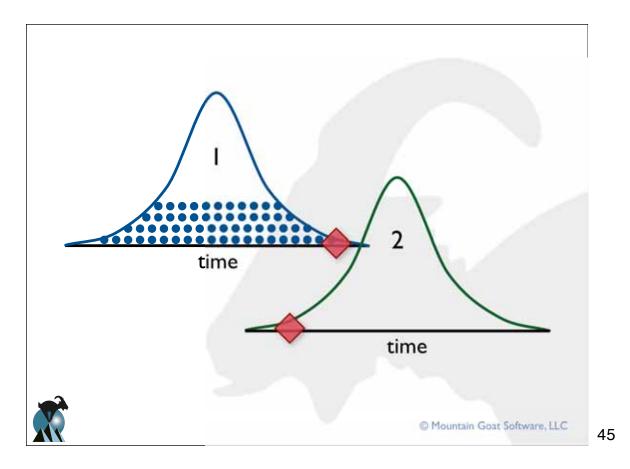


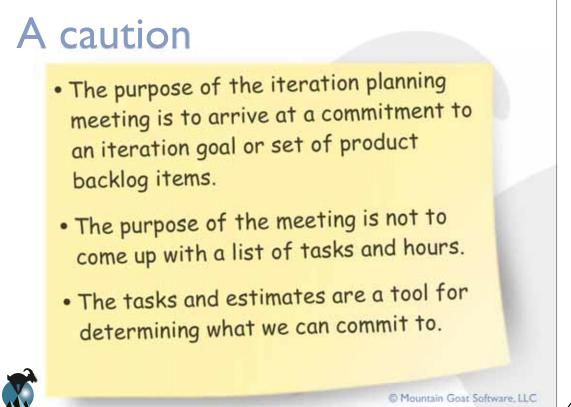
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Person	Hours per Day	Hours per Iteration
Sergey	4-6	40-60
Yuri	5-7	50-70
Carina	2-3	20-30
Total		110-160

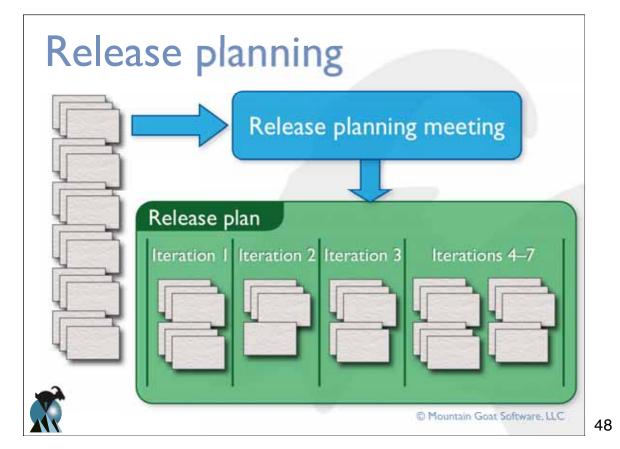












Velocity

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



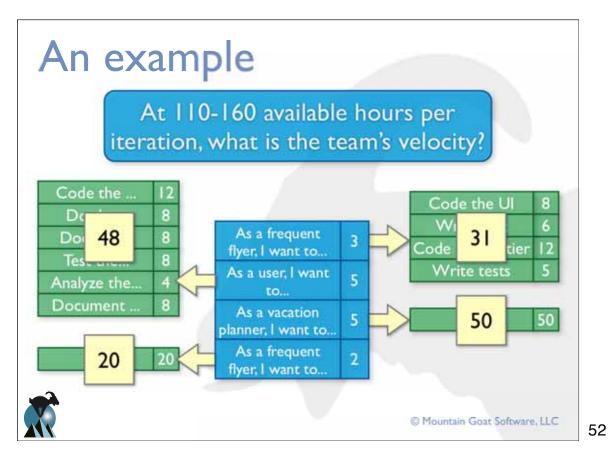
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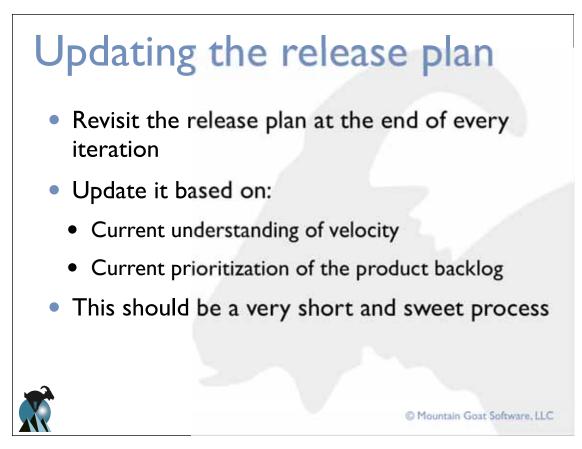
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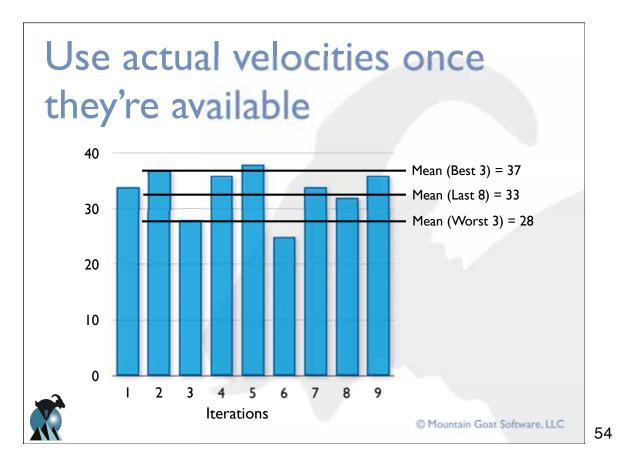
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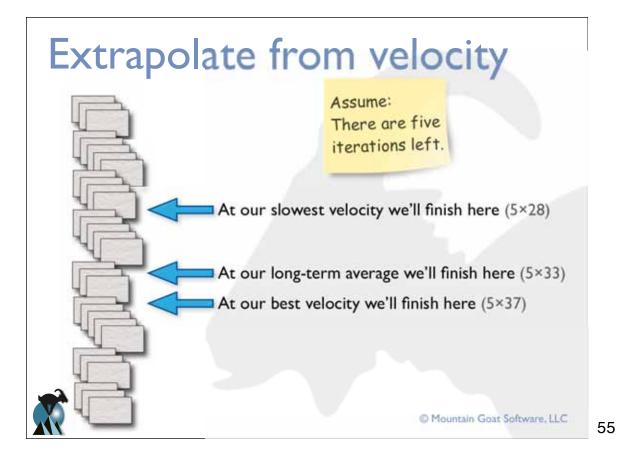
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Date	What	Where
an 27–28 an 29	Certified ScrumMaster Agile Estimating and Planning	Dallas
Feb 18–19	Certified Scrum Product Owner (with Ken Schwaber)	Boulder
Mar 31–Apr I Apr 2	Certified ScrumMaster Agile Estimating and Planning	Seattle
May 12 May 13–14 May 15	Effective User Stories Certified ScrumMaster Agile Estimating and Planning	Orlando
Other classes i	n London, Oslo and Stockholm if you're u	p for a longer tri

