

Story points

- How long a user story will take (effort)
- Influenced by complexity, uncertainty, risk, volume of work, etc.
- Relative values are what is important:
 - A login screen is a 2.
 - A search feature is an 8.
- Basic math properties should hold
 - 5+5 = 10

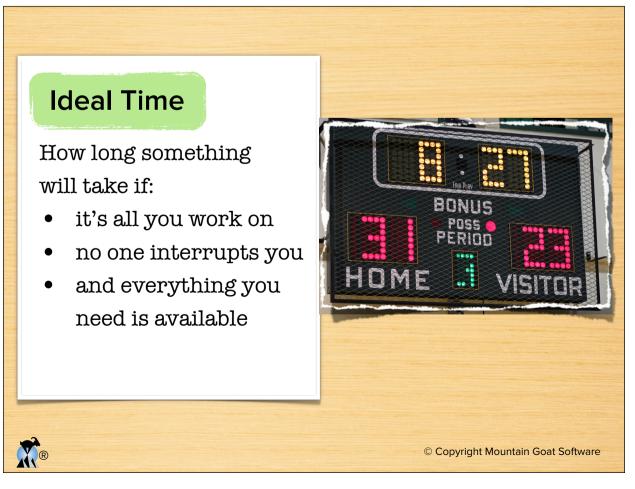


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Estimating in zoo points

Lion
Kangaroo
Rhinoceros
Bear
Giraffe
Gorilla
Htippopotamus
Tiger





Elapsed time vs. ideal time

Ideally

- Monday has 8 hours
- Each week has 40 hours

But instead

Each day has something like:

- 2 hours of meetings
- 2 hours of email
- 4 hours left for the project

"How long will this take?"

 Are you answering what is being asked?

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Two big advantages to story points



Story points are additive; time-based estimates may not be



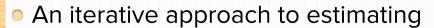
Story points help avoid problems with unit confusion



Confusing units Product Backlog Iteration Backlog As a user... 30 Code the UI 12 As a user... 50 Write tests 8 As a user... 50 Code middle tier Update docs 6 20 As a user... 20 As a user... Automate tests 5 © Copyright Mountain Goat Software



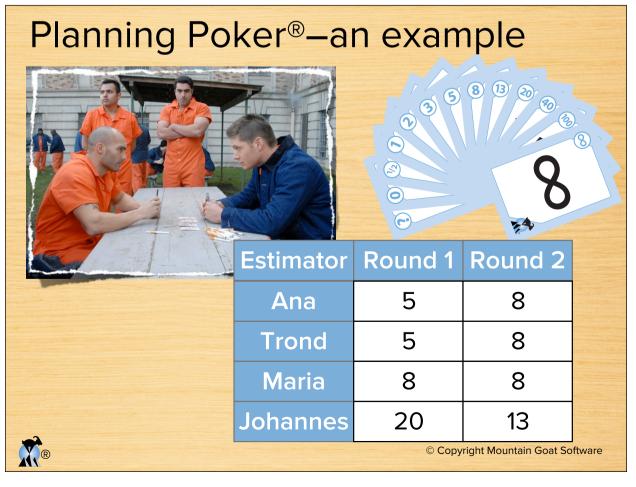
Planning Poker®



- 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 at the same time
 - Discuss differences (especially outliers)
 - Re-estimate until estimates converge



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Estimate these

Product Backlog Items	Estimate	
Read (and understand) a high-level, 10-page overview of agile software development in a celebrity news magazine.		
Read (and understand) a densely written 5-page research paper about agile software development in an academic journal.		
Your uncle owns a clock store and wants to sell clocks over the internet. Write a basic product backlog for him covering what he'll need his website to do.		
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 (and understand) a 150-page book on agile software development.		
Write a 5-page summary of this conference for your boss.		
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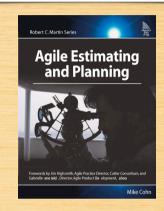
Mike Cohn

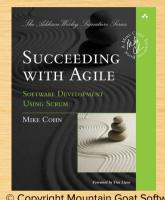
mike@mountaingoatsoftware.com www.mountaingoatsoftware.com

twitter: mikewcohn (888) 61-AGILE











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