

Product Backlog

As a frequent flyer, I want to...	3
As a frequent flyer, I want to...	5
As a frequent flyer, I want to...	5
As a frequent flyer, I want to...	8
As a frequent flyer, I want to...	5

Iteration Backlog

Code the UI	8
Write test fixture	6
Code middle tier	12
Write tests	5
Automate tests	4

We're talking about these right now



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How long will it take...

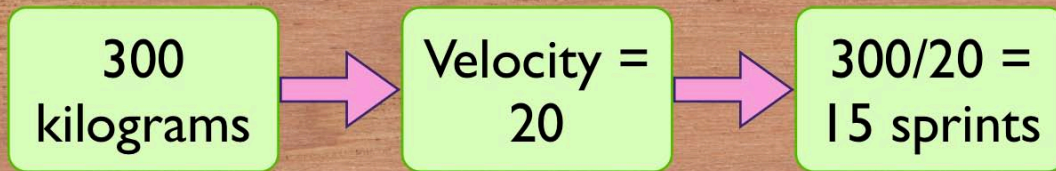
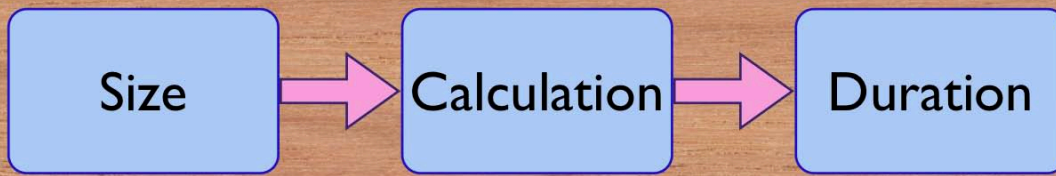
- ...to read the latest Harry Potter book?
- ...to drive to Paris?



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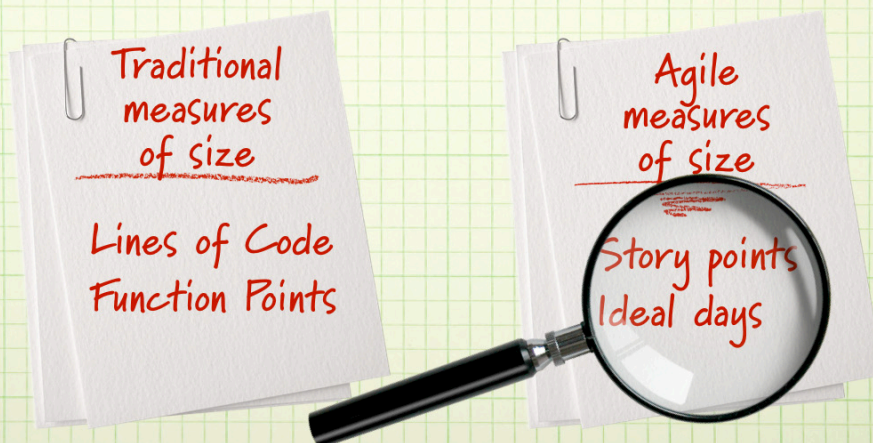
4

Estimate size; derive duration



Measures of size

- Traditional and agile measure size differently



Story points

- The “bigness” of a task
- Influenced by
 - How hard it is
 - 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., $5+5 = 10$

As a user, I want to be able to have some but not all items in my cart gift wrapped.

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Zoo points

Assign “zoo points” to the following breeds.

Lion
Kangaroo
Rhinoceros
Bear
Giraffe
Gorilla
Hippopotamus
Tiger



Agenda

- Product backlog estimation units
- Story points
- Ideal time
- Estimating with Planning Poker



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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)



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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



Two big advantages to story points

1

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

2

Story points help avoid problems
with unit confusion



Confusing units

As a frequent flyer, I want to...	30
As a frequent flyer, I want to...	50
As a frequent flyer, I want to...	50
As a frequent flyer, I want to...	20
As a frequent flyer, I want to...	20

Code the UI	8
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“Yesterday I started on the UI; I should finish before the end of today.”



Agenda

- Product backlog estimation units
 - Story points
 - Ideal time
- Estimating with Planning Poker



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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Planning Poker[®] - an example



Estimator	Round 1	Round 2
Susan	3	5
Vadim	8	5
Ann	2	5
Chris	5	8



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Product backlog item	Estimate
Install a new hardwood floor	
Remove, sand, re-paint the cabinets.	
Replace tile countertop with granite.	
Repaint entire kitchen.	
Lay shelf paper.	
Install recessed lighting.	
Replace existing oven with a new one.	
Run a water line to existing island and add a sink.	
Replace existing simple window with a bay window (one that sticks out).	



www.PlanningPoker.com

The screenshot shows a web browser window with the URL <http://thijs.planningpoker.com/games/26>. The page title is "Payroll system replacement".

Game Content:

- Write a list of definitions. Estimate: 3
- As a/an unauthenticated user I would like to log in so that I can start using the application. Estimate: 3
- As a/an authenticated user I would like to change my password. Estimate: 2
- As a/an admin I would like to add new users so that they can log in. How are they going to get their username and password?
 - Thijs V. (3), Manfred S. (3), Mike C. (5), Giel N. (13), Angie (20)
 - Manfred S. (5), Thijs V. (5), Giel N. (5), Mike C. (5)

Right Sidebar:

- All games
- Estimator access (Lock) <http://thijs.planningpoker.com/wv24mq>
- Countdown timer: Start timer
- Done playing?: Complete game
- Participants: Angie, Giel de Nijis, Manfred Stienstra, Mike Cohn, Thijs van der Vossen (moderator)

At the bottom, there is a "Complete" button with the note: "(Note: Completes automatically when all estimates are in)".

Free, or I wouldn't mention it



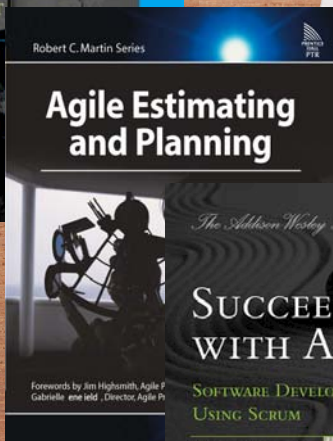
Upcoming classes in Oslo

Date	What
September 20–21	Certified Scrum Product Owner
September 22–23	Certified ScrumMaster
September 24	Succeeding with Agile
November 15–16	Certified Scrum Product Owner
November 17–18	Certified ScrumMaster
November 19	Succeeding with Agile

Information and registration at www.programutvikling.no



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