



Scrum in Practice

Play with Scrum, work more efficiently with fun

Scrum in practice

What is Scrum?

- Agile Software Development Framework
- Scrum Team
- Activities Overview

How to practice?

- Agile Development Process
- Agile practices

Collaborate with MEDecision

- By what means?
- Tools we can use

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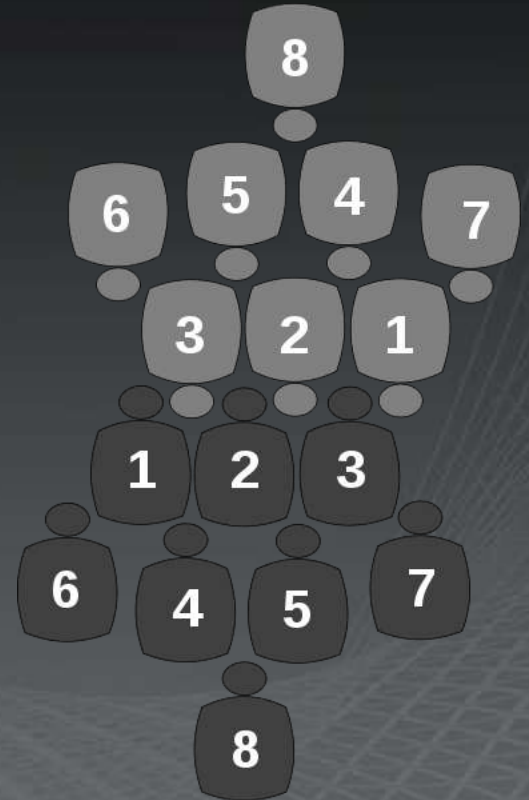
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What is Scrum?



What is Scrum?



What is Scrum?



Scrum is

- Scrum is one of many different types of Agile Software Development Frameworks that you can use in the real world to deliver working software.

It is all about people and not technological solutions.

Refer to

<http://www.implementingscrum.com/>

Scrum Theory – 3 legs

- Transparency
- Inspection
- Adaption

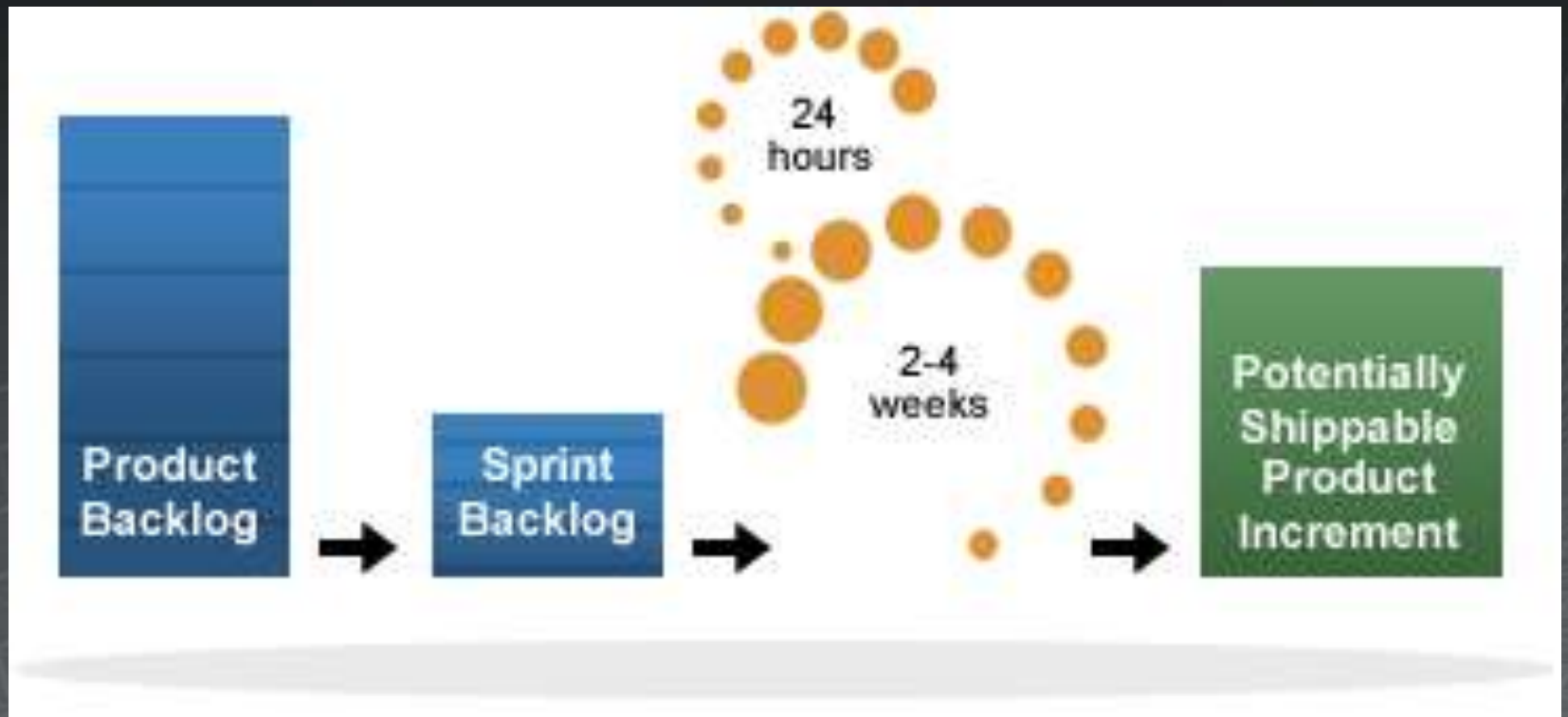
Lightweight Process

- Small teams
- Incremental development
- Time-boxed scheduling
- Adaptive and agile.

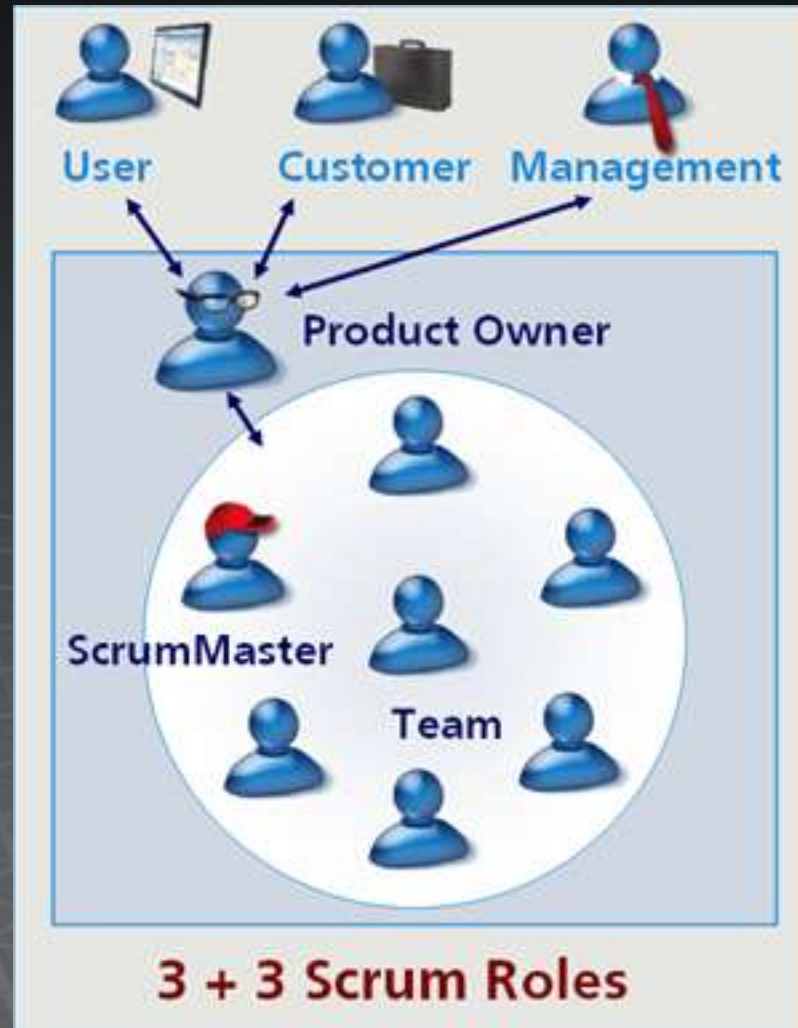
Time-boxed scheduling

- Release: 3 to 8 Sprints
- Sprint: 2 to 4 weeks
- Standup: < 15 mins
- Retrospective: < 2 hours

Process of Scrum



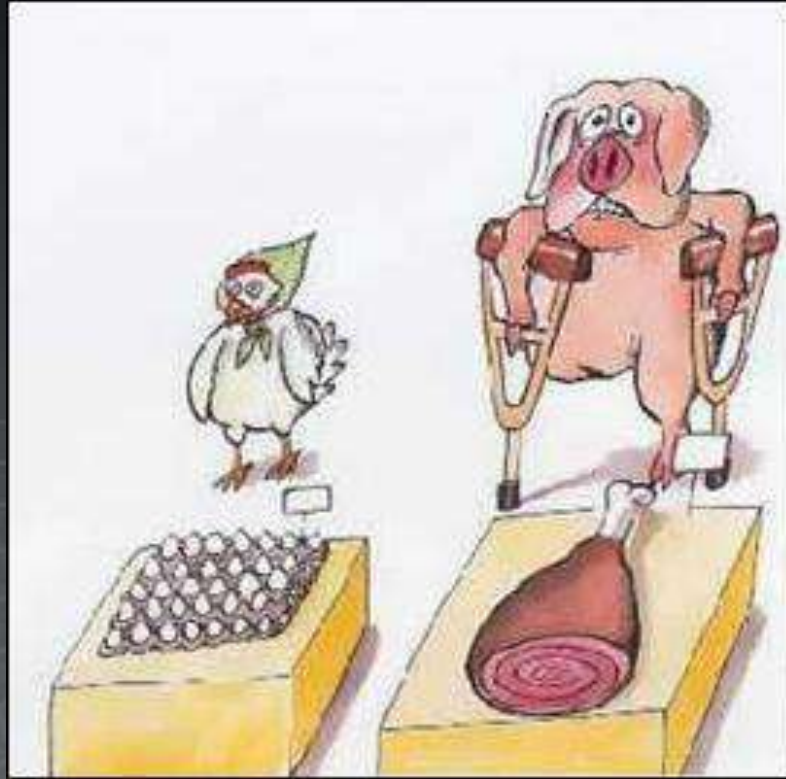
Scrum Roles



Story of the Pig & Chicken



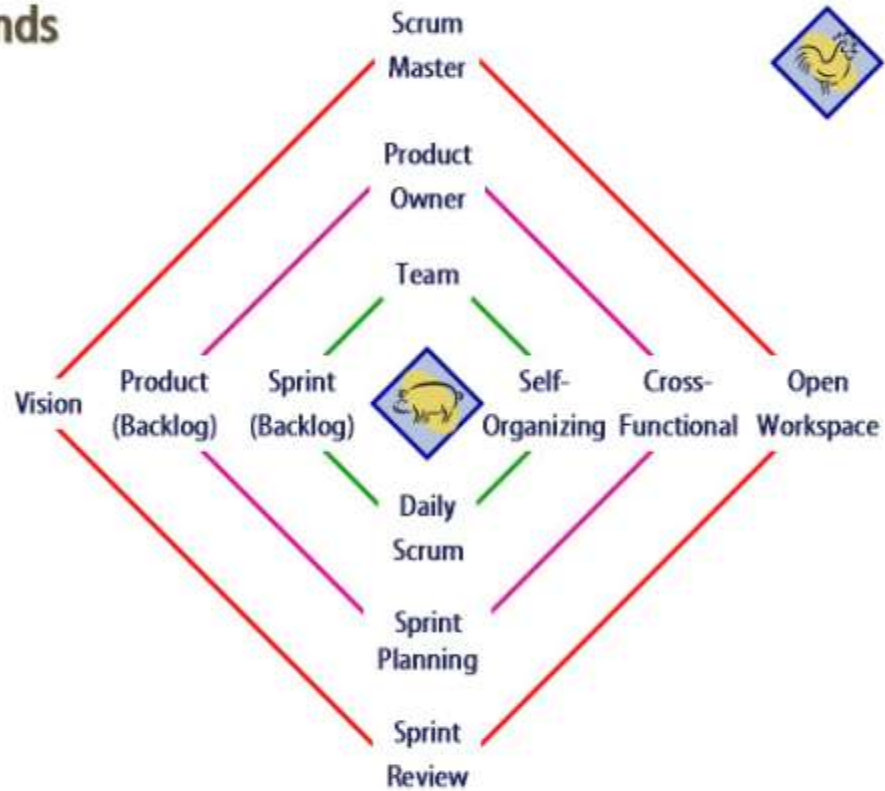
Story of the Pig & Chicken



Scrum

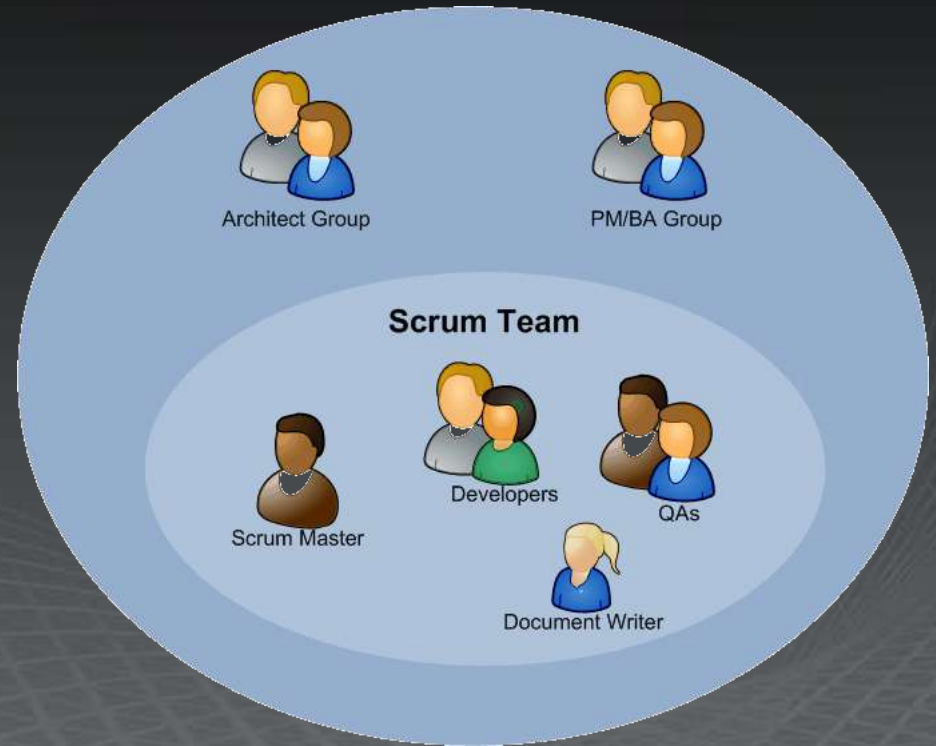
SCRUM

Core Diamonds



Scrum Team

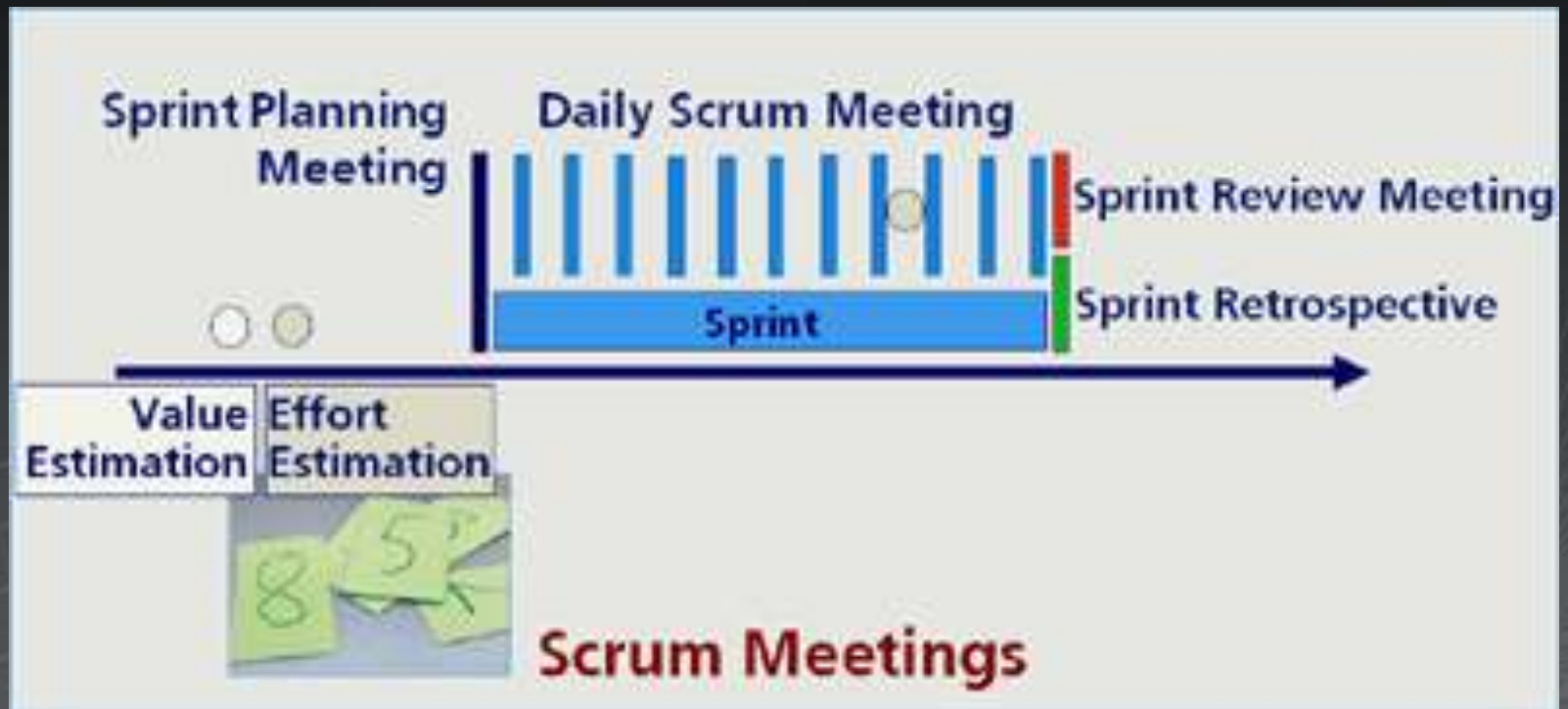
- PM/BA
- Scrum Master
- Architect
- Developer
- QA
- Document Writer



Terminology

- Impediment
- Scrum
- Sprint
- Standup
- Kickoff
- User Story
- Backlog
- Burndown Chart

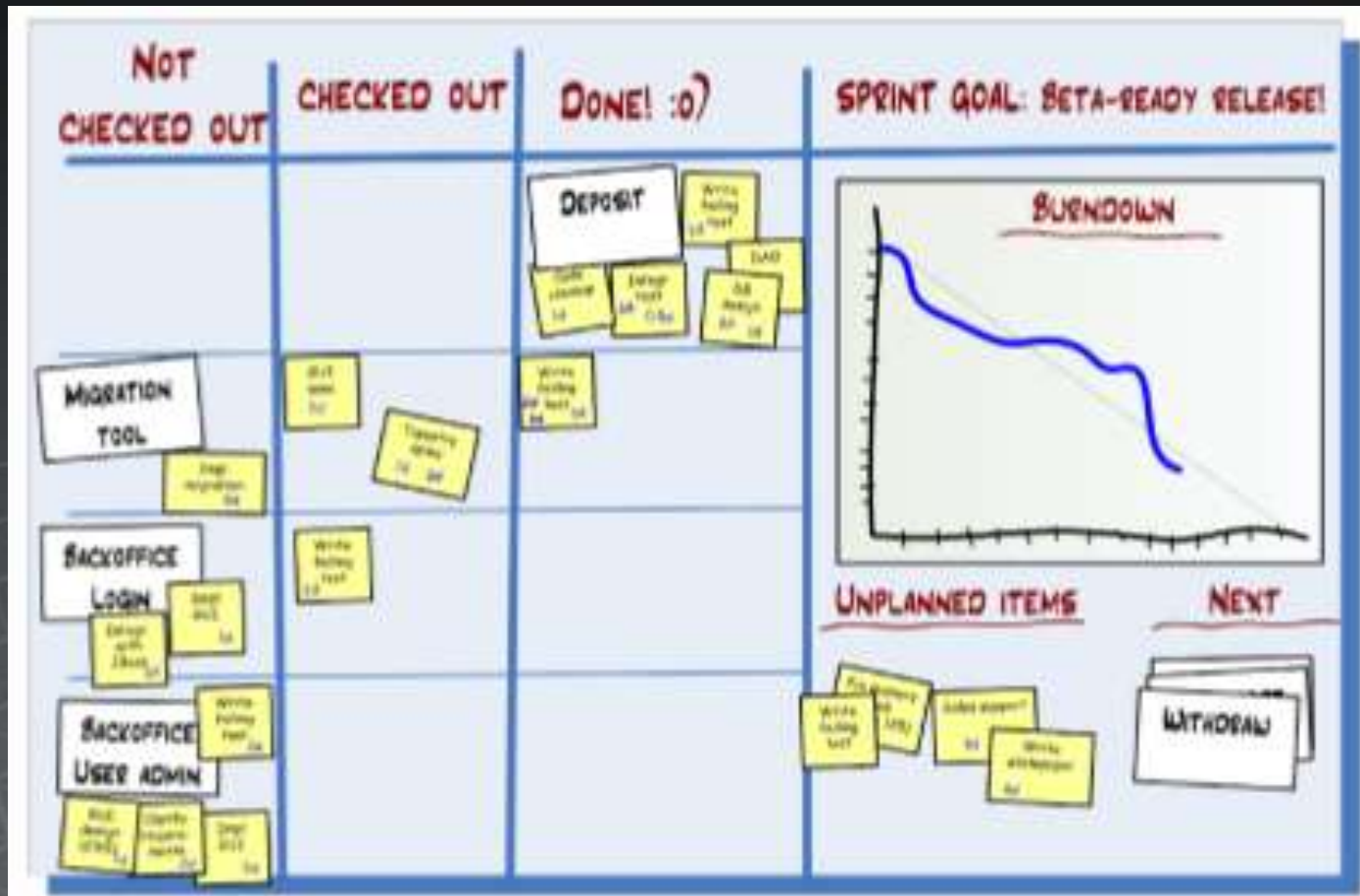
Scrum Activities



Scrum meetings



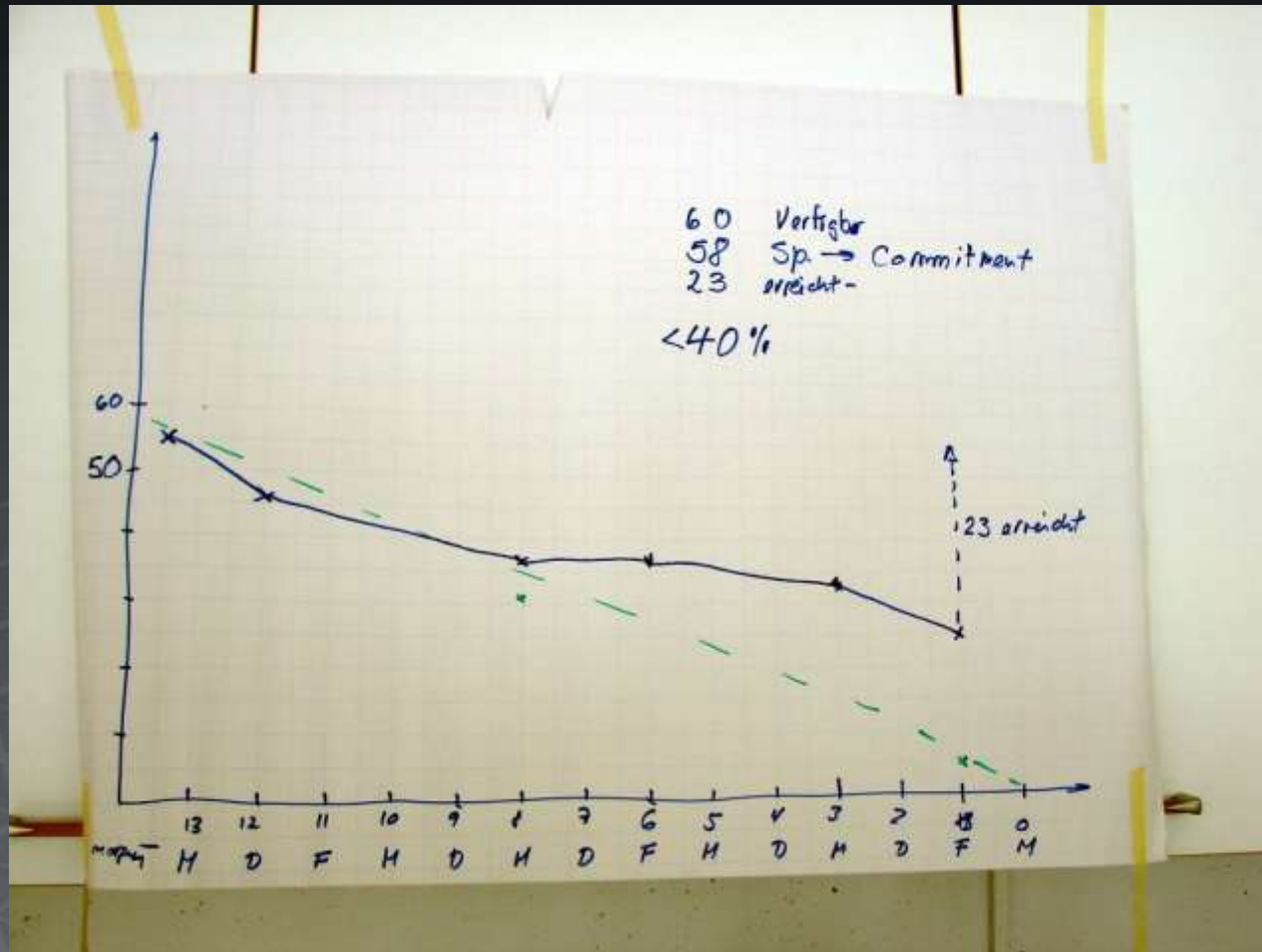
Scrum Board & Burndown Chart



Scrum Board



Burndown Chart



What is Scrum?

- Scrum is an agile, lightweight process to manage and control development work.
- Scrum is a wrapper for existing engineering practices.
- Scrum is a team-based approach to iteratively, incrementally develop systems and products when requirements are rapidly changing
- Scrum is a process that controls the chaos of conflicting interests and needs.

What is Scrum?

- Scrum is a way to improve communications and maximize co-operation.
- Scrum is a way to detect and cause the removal of anything that gets in the way of developing and delivering products.
- Scrum is a way to maximize productivity.
- Scrum is scalable from single projects to entire organizations.

What is Scrum?

- Scrum has controlled and organized development and implementation for multiple interrelated products and projects with over a thousand developers and implementers.
- Scrum is a pattern.

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How to practice Scrum?

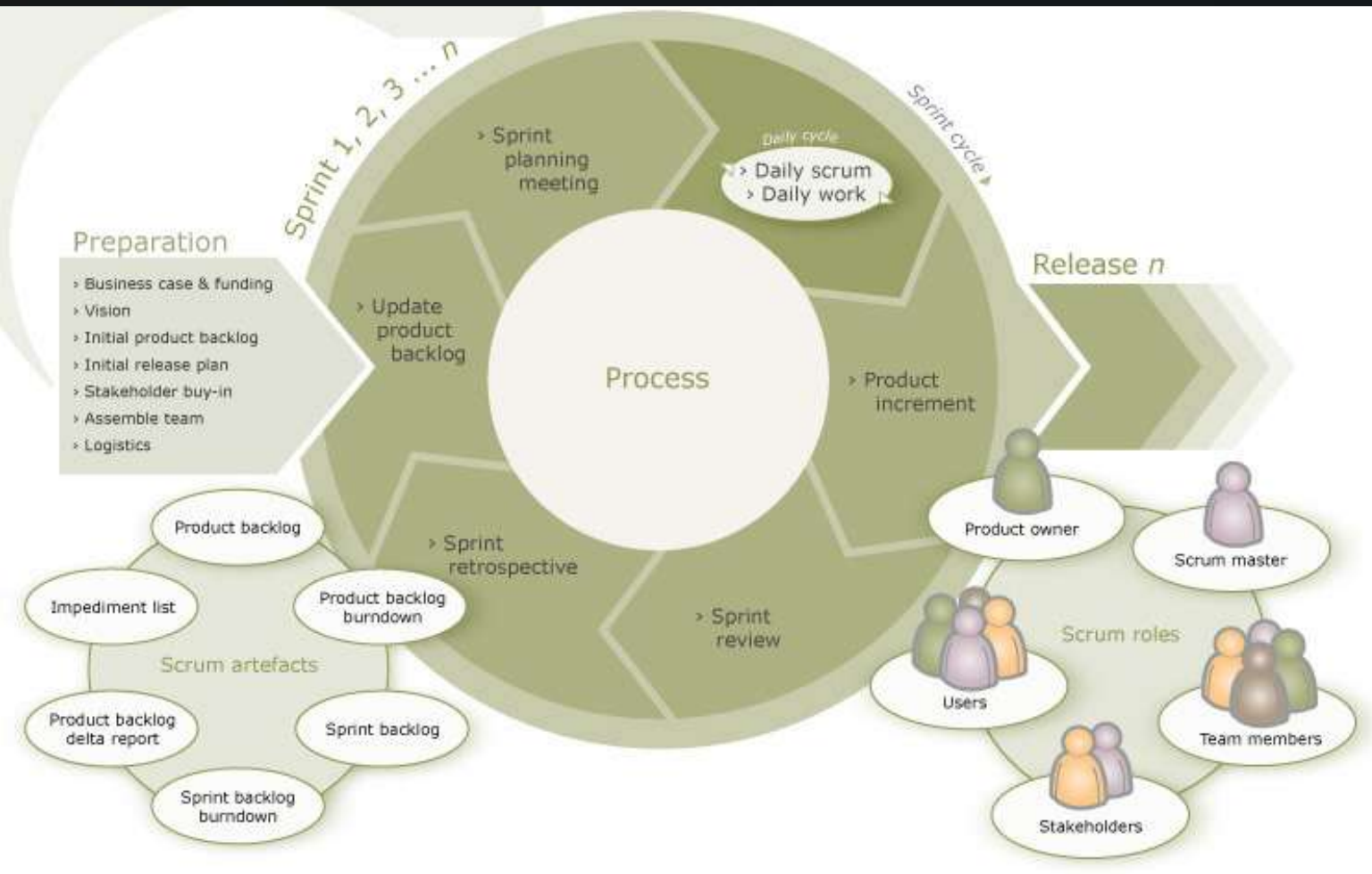


How about us?

How to practice Scrum?

- Test Driven Development (TDD)
 - Behavior Driven Development (BDD)
 - Code refactoring
 - Continuous Integration
 - Pair Programming
 - Planning poker
 - RITE Method
- ❖ *Note: Although these are often considered methodologies in and of themselves, they are simply practices used in different methodologies.*

Agile Development Process



Sprint-level Scrum process

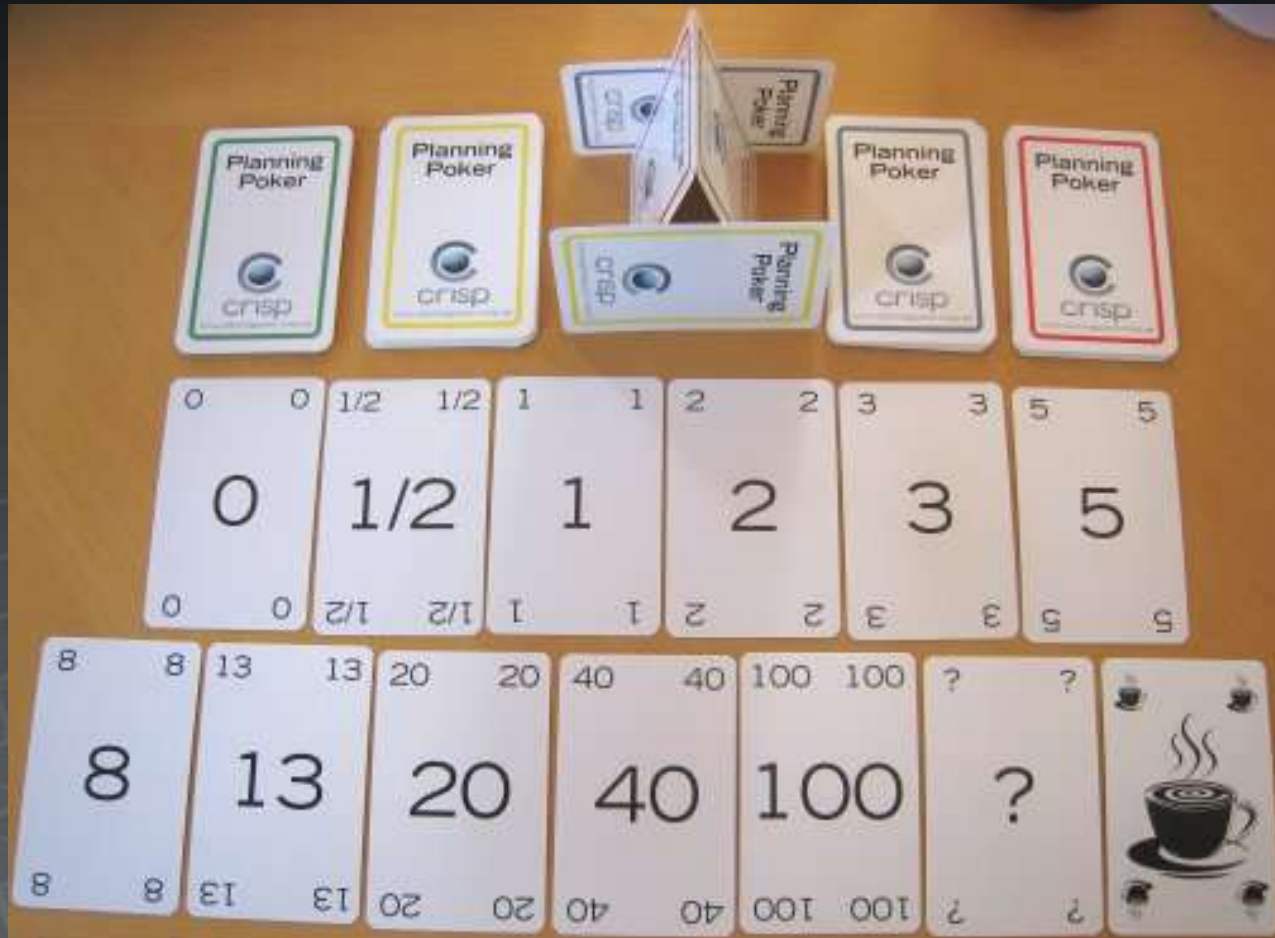
- Pre-kickoff (estimation meeting)
- Kickoff
- Commitment meeting
- Daily Scrum meeting
- Domain design with team
- Database design (Technical)
- UI design with usability analysts
- Additional technical design as needed
- Ongoing work, collaboration and feedback
- Sprint review
- Sprint retrospective

Planning/Estimation

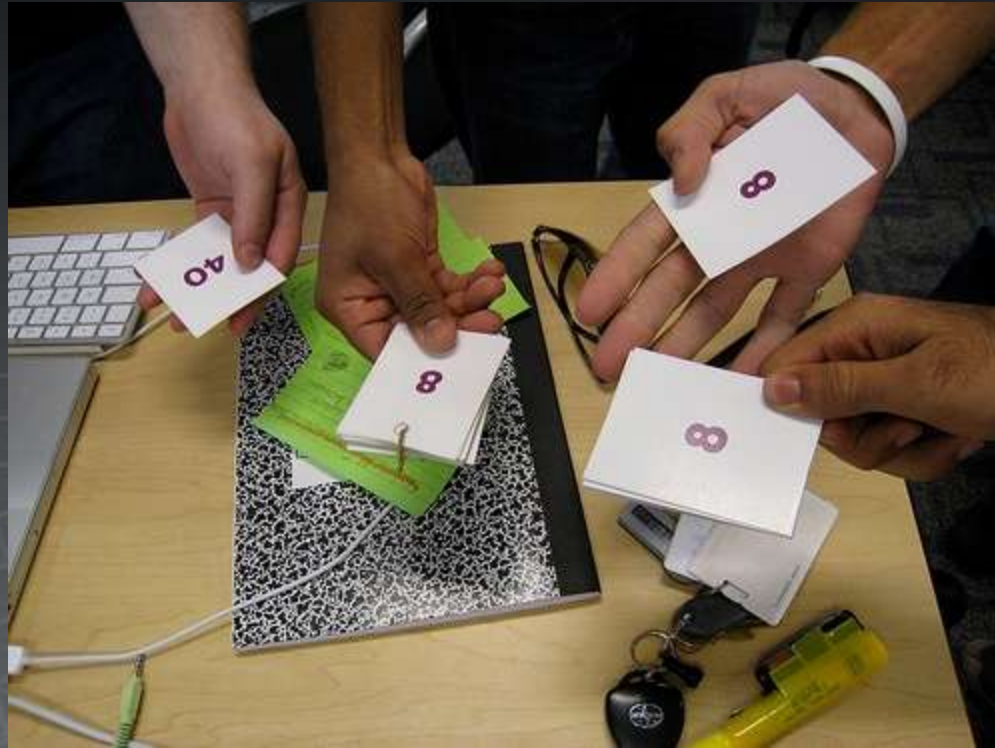
- Explain user stories
- Discussion
- Identify story points - 3 points is the baseline



Planning Poker



Estimation



Kickoff/Commitment meeting

- Define what to do in the sprint
- Explain user stories
- Discussion
- Break down tasks
- Identify team commitment



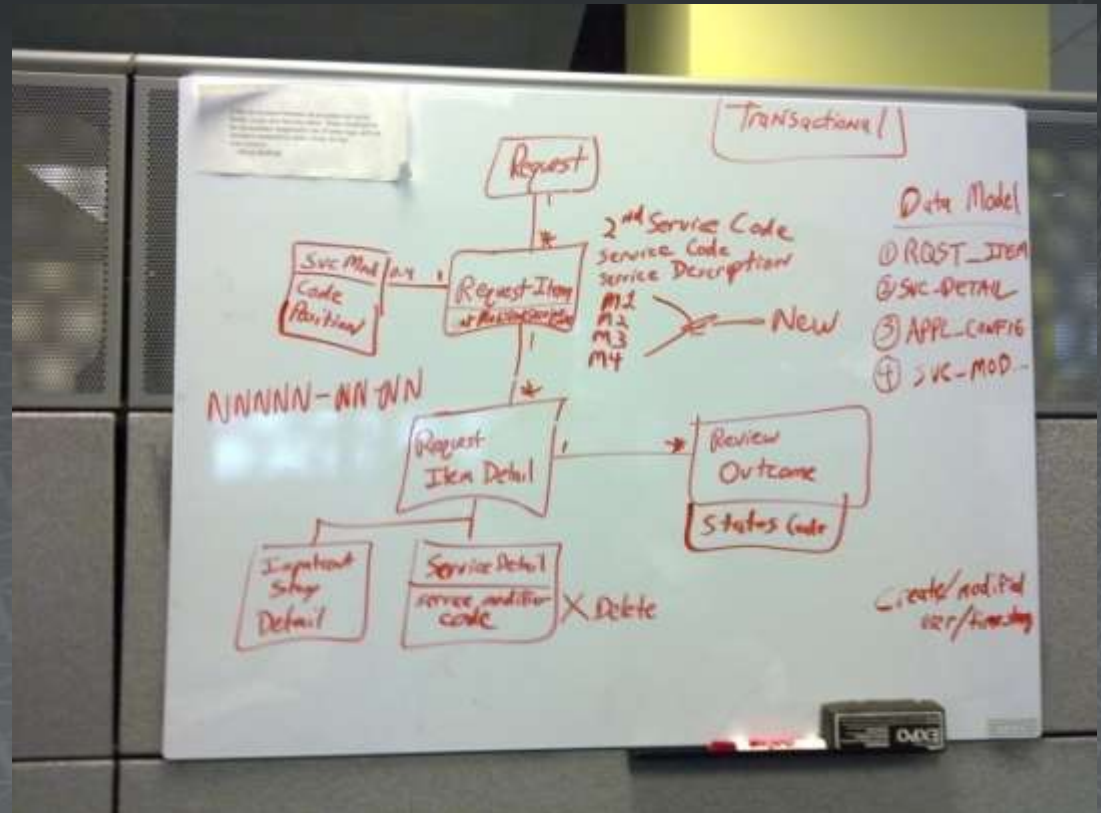
Daily Scrum meeting

- What did you do yesterday?
- What will you do today?
- What impediments are in your way?



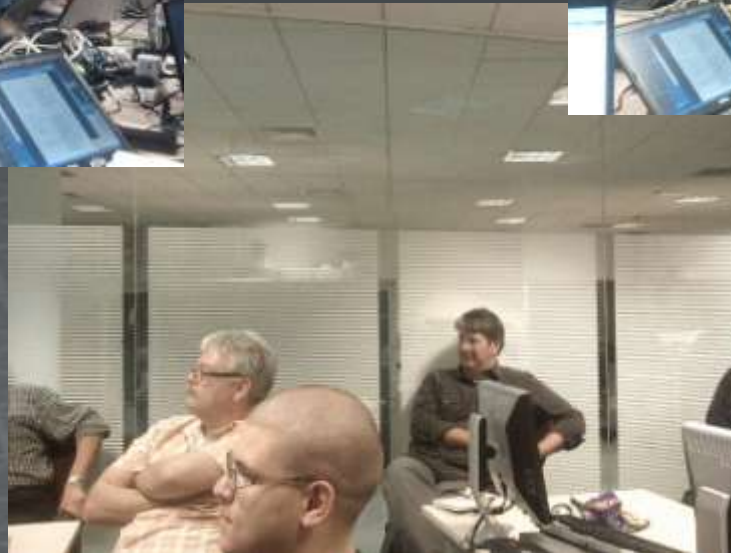
Design meeting

- Domain design
- Database design
- UI design



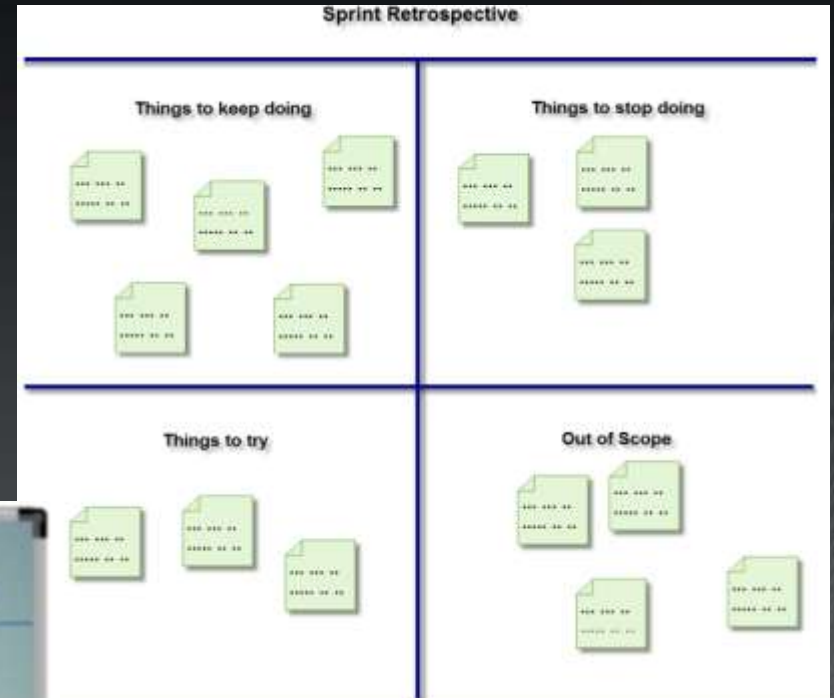
Sprint review

- Demo working product across teams



Sprint retrospective

- What's good?
- What's bad?
- How to improve?
- Voting



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By what means?

- Communication via Email
- Attending Global Crossing conference
- ClearCase
- ClearQuest
- ScrumWork
- ChangPoint
- Documentation(Wiki / ATDD / AC)
- IN builds / Cruise Control

ScrumWork

ScrumWorks - Product: Alineo - MEDecision, Inc.

File Edit View User Reports Themes Help

Find: Next Previous

Committed Backlog

Lions Roar | Manasa | Naga | Ocelot | Panther | Snow Leopard | Spiderpig | Thunder Cats | Tiger Shark | Vasuki | Viper
AIG | Ajgar | Alineo Architecture | Anaconda | Boa | Clouded Leopard | Cobra | Diamondback | Hidden Dragon | Jolly Rancher

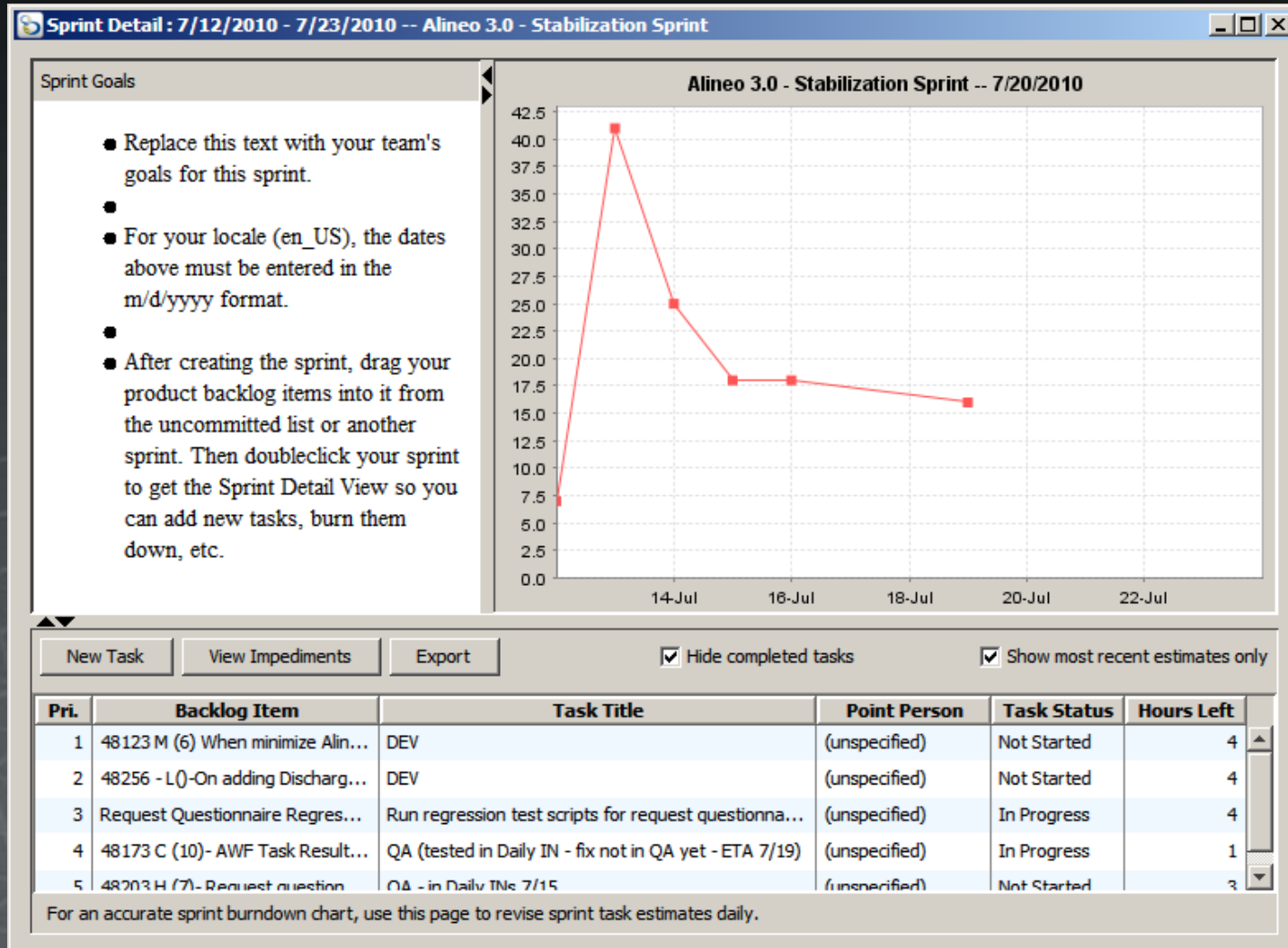
View Impediments

Committed Backlog Items/Tasks	Task Hours	Backlog Effort
Defect (QA)H: same questionnaire displays more than once	0	
Defect (QA)H: system error clicking on TxSearch breadcrumb	0	
Sprint -- 7/12/2010 - 7/23/2010 -- Alineo 3.0 - Stabilization Sp...	Total: 18	Total: 19
Request Questionnaire Regression Testing		0
Run regression test scripts for request questionnaires	4	
48173 C (10)- AWF Task Result - No checks for required fields causes ...		3
DEV	0	
QA (tested in Daily IN - fix not in QA yet - ETA TBD)	1	
48230(h) - REQ: Able to select a diagnosis for a service, add to list an...		4
DEV	0	
QA - return for dev investigation 7/16	3	
48203 H (7)- Request questionnaires - when no response to question i...		3
DV	0	
QA - in Daily INs 7/15	3	
48202 M (5)- Request Questionnaires - error messages about required...		3
DV	4	
QA	3	
48288 M (5)-While creating Questionnaire upon selecting the added qu...		3
48112 H (8) IP Req: Service review values are being populated in the l...		0
DEV	0	
QA	0	
48166 H (7)- REQ: Selecting certain service from a wildcard search pro...		3
DEV	0	
QA	0	

Uncommitted Backlog

Uncommitted Backlog Items...	Task Hours	Backlog Effort
<input checked="" type="checkbox"/> Alineo Maintenance 3.0.2	Total: 3	Total: 28
<input type="checkbox"/> Alineo 2.2.1.1.	Total: 0	Total: 0
<input checked="" type="checkbox"/> Alineo 3.1	Total: 56	Total: 3
<input checked="" type="checkbox"/> Alineo 3.0	Total: 15	Total: 8
48256 - L()-On adding Dis...		1
QA	1	
--- DEFECTS ---		0
28304 M (6)- Request Re...		3
48300 H (7)- Request Re...		3
--- TECHNICAL DE...		-
Support of Performance T...	6	0
Add Alineo Installer/Upda...	2	1
Improve Daily INs Build Pr...	6	0
Alineo Maintenance 2.2.1	Total: 240	Total: 0
Alineo Maintenance 2.2.2	Total: 180	Total: 73
Alineo Maintenance 2.1....	Total: 0	Total: 0
Alineo Maintenance 2.1.1	Total: 0	Total: 0
Alineo Maintenance 2.1.2	Total: 0	Total: 0
Alineo Maintenance 2.1....	Total: 0	Total: 0
Alineo Maintenance 2.1.3	Total: 0	Total: 0
Alineo 2.2	Total: 320	Total: 200
Alineo 2.1	Total: 60	Total: 1
Alineo 2.0 Stabilization ...	Total: 0	Total: 0
Alineo 2.1 Stabilization I...	Total: 0	Total: 0
Alineo 2.0	Total: 495	Total: 138
Technical Backlog Items	Total: 7	Total: 102
Ocelot backlog items	Total: 33	Total: 0

Burndown Chart



ATDD

- Acceptance Test Driven Design
 - Acceptance Criteria based
 - Define Happy Path, Sad Path, Regression Tests and Performance Tests
 - Define the way to validate and expected result

Daily work process

- Obtain tasks
- Development
- Delivery
- Report status

Obtain tasks

- Obtain tasks from MEDecision developers
- Obtain tasks from Gmail by Ken
- Obtain tasks from ScrumWork backlog
- Obtain tasks from JIRA

- ❖ *If task is CQ ticket, get detail information from ClearQuest.*
- ❖ *Developers discuss and pick up tasks in standup.*

Development

- Update baseline in GIT
- Develop in specific GIT branch
- Commit work to GIT
- Code review

Delivery

- Pass **JUNIT tests**
- Deliver to team/PM stream
- Make a baseline
- Send an email to Team/Alineo Model Development to announce delivery
- Kickoff Cruise Control
- Recommended baseline once CC pass.
- Send an email to Team/Alineo Model Development to announce new baseline is recommended.

Report status

- Update ScrumWork
- Update ClearQuest
- Update JIRA
- Report status
- Submit timesheet by the end of week.

Questions?



The scrum can get pretty friendly sometimes...

Thank you!

Thank you

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