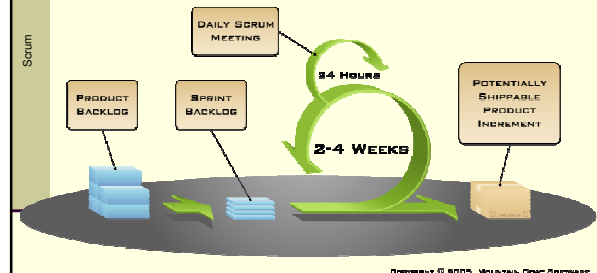


An Introduction to Scrum

Presented CIJUG
Jan 1st 2007
By Aaron Korver

Overview



The Scrum Master

- Represents management to the project
- Responsible for enacting Scrum values and practices
- Main job is to remove impediments



The Scrum Team

- Typically 5-10 people
- Cross-functional
 - QA, Programmers, UI Designers, etc.
- Members should be full-time
 - May be exceptions (e.g., System Admin, etc.)
- Teams are self-organizing
 - What to do if a team self-organizes someone off the team??
 - Ideally, no titles but rarely a possibility
- Membership can change only between sprints

Sprints

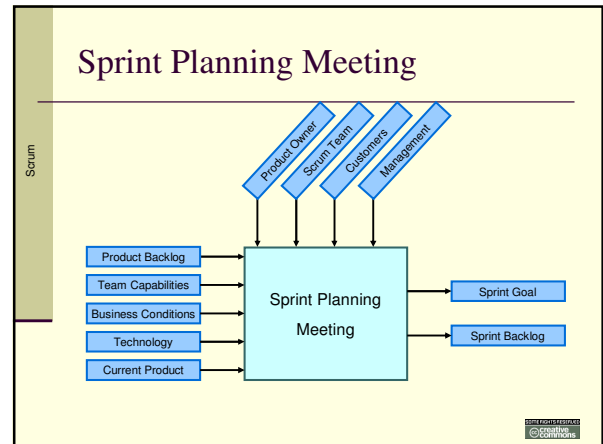
- Scrum projects make progress in a series of "sprints"
 - Analogous to XP iterations
- Target duration is one month
 - +/- a week or two
 - But, a constant duration leads to a better rhythm
- Product is designed, coded, and tested during the sprint

Product Backlog

- A list of all desired work on the project
 - Usually a combination of
 - story-based work ("let user search and replace")
 - task-based work ("improve exception handling")
- List is prioritized by the Product Owner
 - Typically a Product Manager, Marketing, Internal Customer, etc.

Sample Product Backlog

Item #	Description	Est	By
Very High			
1	Finish database versioning	16	KH
2	Get rid of unneeded shared Java in database	8	KH
3	Add Licensing	16	YG
5	Concept user licensing	16	YG
4	Demo / Eval licensing	16	YG
High			
6	Analysis Manager	160	TD
8	File formats are out of date	260	MC
7	Round-trip Analyses	-	-
Medium			
9	Enforce unique names	24	KH
10	in most applications	24	AM
11	Admin Program	-	-
12	Admin users	4	JM
13	Analysis Manager	-	-
14	When items are removed from an analysis, they should show	-	-
15	up again in the pick list in lower 1/2 of the analysis tab	8	TD
16	Query	-	-
17	Support for wildcards when searching	16	T&A
18	Sorting of numeric attributes to handle negative numbers	16	T&A
19	Horizontal scrolling	12	T&A
Population Genetics			
20	Frequency Manager	400	T&M
21	Query Tool	400	T&M
22	Additional Editors (which ones)	240	T&M
23	Study Variable Manager	240	T&M
24	Maps/Queries	300	T&M
25	Add icons for v1.1 or 2.0	-	-
26	Performance Manager	-	-
27	Validate Derived kindred	4	KH
Medium			
28	Explore	-	-
29	Launch tab synchronization (only show queries/analyses for	8	T&A
30	logged in user)	4	T&A
31	Delete settings (?)	-	-



The Sprint Goal

- A short “theme” for the sprint:

Life Sciences

“Support features necessary for population genetics studies.”

Database Application

“Make the application run on SQL Server in addition to Oracle.”

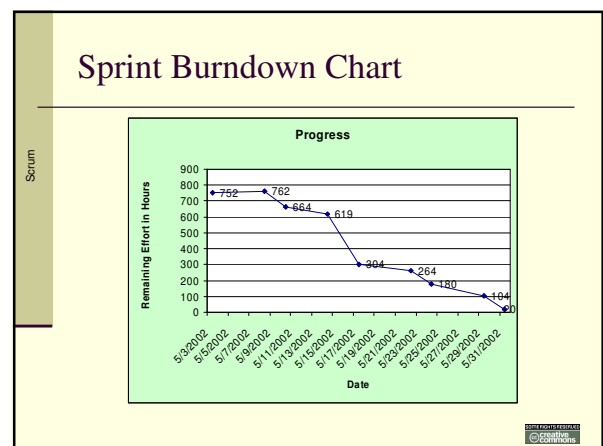
Financial Services

“Support more technical indicators than company ABC with real-time, streaming data.”

- ## From Sprint Goal to Sprint Backlog
- Scrum team takes the Sprint Goal and decides what tasks are necessary
 - Team self-organizes around how they'll meet the Sprint Goal
 - Manager doesn't assign tasks to individuals
 - Managers don't make decisions for the team
 - Sprint Backlog is created

Sample Sprint Backlog

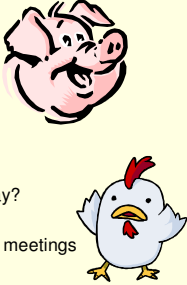

		Days Left in Sprint: 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1				
Who	Description	Total Estimated Hours	5/4	5/3	5/2	5/1
User's Guide						
SM	Start on Study Variable chapter first draft	16	16	16	16	16
SM	Import chapter first draft	40	24	6	6	6
SM	Export chapter first draft	24	24	24	24	6
Misc. Small Bugs						
JM	Fix connection leak	40				
JM	Delete queries	8	8			
JM	Delete analysis	8	8			
TD	Fix tear-off messaging bug	8	8			
JM	View pedigree for kindred column in a result set	2	2	2	2	2
AM	Derived kindred validation	8				
Environment						
TG	Install CVS	16	16			
TG	Move code into CVS	40	40	40	40	40
TG	Move to JDK 1.4	8	8	8	8	8
Database						
KH	Killing Oracle sessions	8	8	8	8	8
KH	Finish 2.205 database patch	8	8	8	8	8
KH	Make a 2.207 database patch	8	8	8	8	8
KH	Figure out why 461 indexes are created	4	4	4	4	4



Scrum

Daily Scrum meetings



- Parameters
 - Daily
 - 15-minutes
 - Stand-up
 - Not for problem solving
- Three questions:
 1. What did you do yesterday
 2. What will you do today?
 3. What obstacles are in your way?
- Chickens and pigs are invited
 - Help avoid other unnecessary meetings
- Only pigs can talk

Scrum

Sprint Review Meeting

- Team presents what it accomplished during the sprint
- Typically takes the form of a demo of new features or underlying architecture
- Informal
 - 2-hour prep time rule
- Participants
 - Customers
 - Management
 - Product Owner
 - Other engineers

Scrum

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