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CITA 280

4/3/19

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Assignment 7 – Agile

Agile is the most popular and most efficient way to manage IT projects. More details on Scrum Artifacts and the Sprint Review are listed next.

Scrum Artifacts

Scrum artifacts are objects made by a human. In this case it is talking about product backlog, sprint backlog, and increment in a sprint.

Product Backlog

The product backlog is a dynamic ordered list of everything needed in the product and is the source of requirements for any changes that are going to be made to the product.

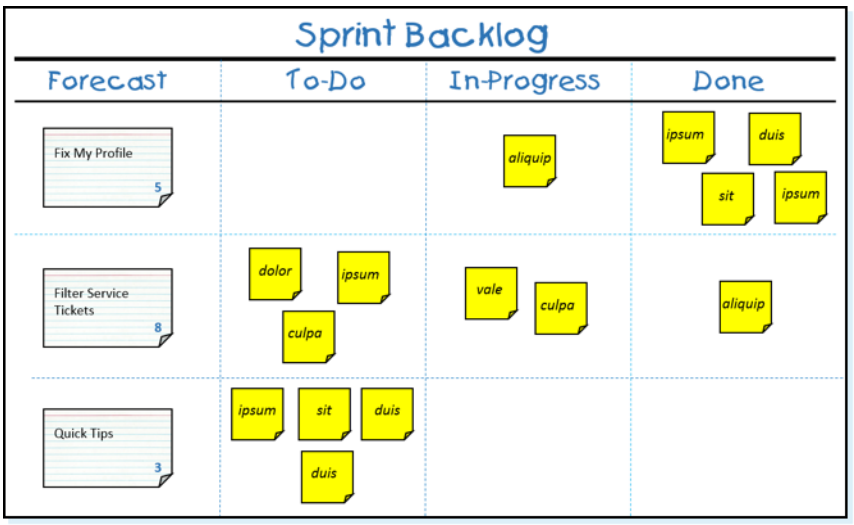
ToDo List

ID	Story	Estimation	Priority
7	As an unauthorized User I want to create a new account	3	1
1	As an unauthorized User I want to login	1	2
10	As an authorized User I want to logout	1	3
9	Create script to purge database	1	4
2	As an authorized User I want to see the list of items so that I can select one	2	5
4	As an authorized User I want to add a new item so that it appears in the list	5	6
3	As an authorized User I want to delete the selected item	2	7
5	As an authorized User I want to edit the selected item	5	8
6	As an authorized User I want to set a reminder for a selected item so that I am reminded when item is due	8	9
8	As an administrator I want to see the list of accounts on login	2	10
Total		**30**	

An example product backlog found on Scrum-Institute.org.

Sprint Backlog

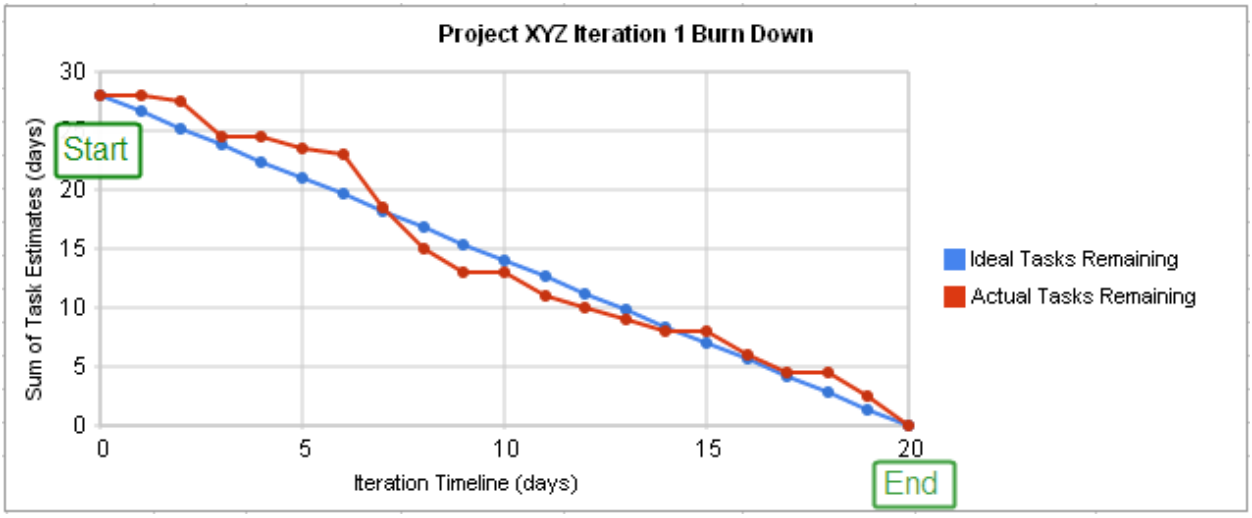
The sprint backlog is the set of product backlog items selected for the sprint plus a plan for delivering the product increment and creating the sprint goal.



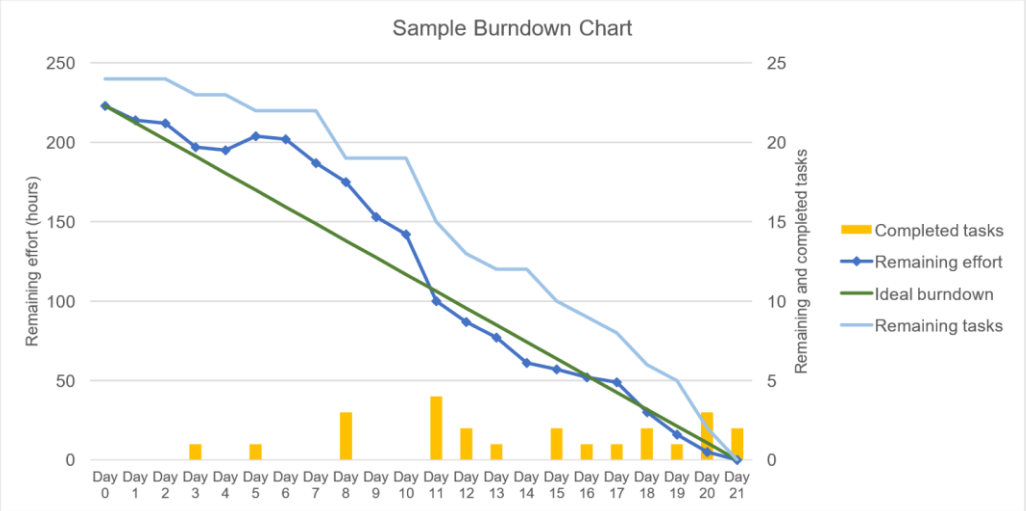
An example sprint backlog found on Scrum.org.

Burndown charts

A burndown chart is a graphical representation of the amount of estimated remaining work in a sprint. It portrays the amount of remaining work on the vertical axis and time along the horizontal axis.



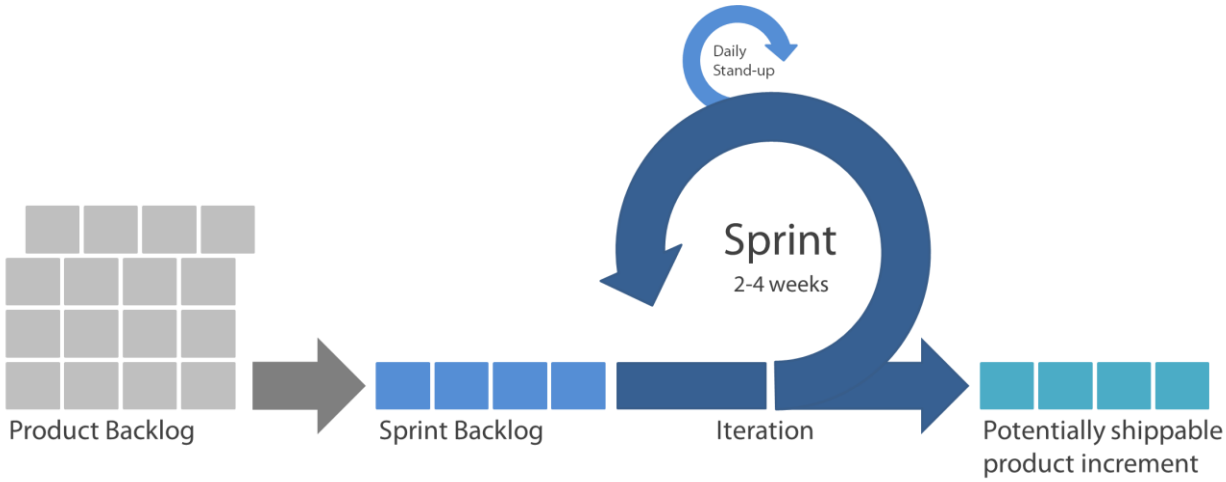
An example of a burndown chart found on Wikipedia.org.



Another example of a burndown chart found on Wikipedia.org.

Increment

The increment is the sum of all the product backlog items completed during the sprint and previous sprints. A new increment needs to be "Done" at the end of a sprint. That means that it must be usable and meet the scrum team's definition of "done."



The scrum process found on collab.ucsd.edu.

Sprint Review

Sprint reviews are meetings no longer than 4 hours that are usually held at the end of the sprint to inspect the increment and adapt the product backlog if necessary. The scrum team and stakeholders collaborate on what was accomplished in the sprint. Then the product team collaborates on the next step to take. The review discusses what's been "done" and what's not "done" and answers questions about the increment. It also details the timeline, budget, capabilities, and marketplace for the next upcoming product releases.